

AN ABSTRACT OF THE THESIS OF

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## ABSTRACT

The solubilities in organic solvents of five diheteropoly tungstates of the Keggin structure were investigated. Potassium salts of water soluble anions, aquocobalto(II)-11-tungstosilicate, aquocobalto(II)-11-tungstogermanate, aquocobalto(III)-11-tungstoborate, aquocobalto(III)-11-tungstogallate, and aquocobalto(III)-11-tungstozincate, were converted to salts which were soluble in organic solvents. This was accomplished by mixing the potassium salts with tetra-n-heptylammonium bromide in a cyclohexane-water mixture.

The absorption spectra were determined in eight selected organic solvents - cyclohexane, toluene, carbon tetrachloride, chloroform, methylene chloride, isopropyl alcohol, tetrahydrofuran, and acetonitrile. Most of the UV spectra of tetra-n-heptylammonium heteropoly compounds in solution exhibited two peaks. The visible spectra exhibited multiple peaks, indicative of pseudo-octahedral cobalt(II) or cobalt(III) chromophores.

The wavelength of maximum absorbance was noted to shift with change of solvent polarity. The absorptivity values of the five compounds were determined in each of the eight organic solvents for all absorption bands.

LIQUID ION EXCHANGE PHASE TRANSFER OF  
COBALTO-UNDECATUNGSTOMETALLATE SALTS

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A Thesis

Presented to

the Division of Physical Sciences  
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of the Requirements for the Degree  
Master of Science

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by

Syed Hasan Kausar Zaidi

December, 1989

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by  
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## I. INTRODUCTION

### A. Definitions

When various simple anions condense together with the elimination of water, a polyanion is formed. The polyanions are composed of octahedral and/or tetrahedral structural units joined at the corners or edges, e.g. polytungstates in which a central atom is surrounded by six or four oxygen atoms. The central atom may be a metal or a non-metal. The number of vertices in some polyanions may be as large as forty or more. For example the anions,  $[\text{SiW}_{12}\text{O}_{40}]^{6-}$  and  $[\text{Si}_2\text{W}_{18}\text{O}_{62}]^{8-}$ .

Heteropoly and isopoly anions have been known for over a century [1]. These complexes are represented by the following general formulas:



The M is generally tungsten or molybdenum and is often called an 'addenda atom' and X is called the 'heteroatom'. This heteroatom may be derived from more than sixty five elements of the periodic table [2]. Isopoly

anions consist of two or more atoms of the same metallic element attached by oxygen bridges. A simple example is  $\text{Cr}_2\text{O}_7^{2-}$ ; perhaps better described as  $\text{O}_3\text{CrOCrO}_3^{2-}$ . Some isopoly anions also contain hydrogen atoms, e.g.  $[\text{W}_{12}\text{O}_{42}\text{H}]^{10-}$ . Heteropoly anions contain at least two types of atoms other than oxygen or hydrogen, e.g.  $[\text{W}_{12}\text{O}_{40}\text{Ge}]^{6-}$ . A class of heteropoly anions called diheteropoly anions contains three types of atoms other than oxygen or hydrogen, for example  $[\text{H}_2\text{OCoo}_5\text{W}_{11}\text{O}_{30}\text{GeO}_4]^{6-}$  [1]. The heteropoly anion,  $[\text{W}_{12}\text{O}_{40}\text{H}_2]^{6-}$  is often considered as a heteropoly anion even though it contains only one type of atom other than oxygen or hydrogen because the two hydrogen atoms occupy the site normally occupied by the X heteroatom. The class of heteropoly anion investigated in this work are the diheteropoly tungstates, sometimes called 1:1:11 anions. For the 1:1:11 anion,  $[\text{H}_2\text{OCoo}_5\text{W}_{11}\text{O}_{30}\text{GeO}_4]^{6-}$ , the first one is the Ge, the second one is the Co, and the eleven is the W.

## B. Historical Perspective

In 1826 Berzelius obtained a yellow precipitate of ammonium 12-molybdophosphate (or ammonium phospho-12-

molybdate),  $(\text{NH}_4)_3\text{PMo}_{12}\text{O}_{40}$ . This compound was introduced into analytical chemistry by Svanberg and Struve in 1848. Marignac in 1862 discovered the tungstosilicic acids and determined the analytical composition of a number of different heteropoly acids. Miolati and Pizzighelli hypothesized a structure for heteropoly acids. This hypothesis was changed into the Miolati-Rosenheim (MR) theory. According to MR theory the heteropoly acids and salts consist of six-coordinate heteroatoms with  $\text{MO}_4^{2-}$  or  $\text{M}_2\text{O}_7^{2-}$  anions as ligands or bridging groups, e.g.  $\text{H}_8[\text{Si}(\text{W}_2\text{O}_7)_6]$  and  $\text{Na}_6[\text{Te}(\text{MoO}_4)_6]$  [2]. The MR theory was supported by the preparation of heteropoly salts which could be formulated as  $\text{K}_8[\text{Si}(\text{WO}_4)(\text{W}_2\text{O}_7)_5]$ . (These salts are formulated today as derived from the lacunary anions. That is ions which have a cavity formed by the loss of one of the twelve tungsten atoms and its exterior oxygen atom. Hence the formula today is written such as the 1:11 salt,  $\text{K}_8[\text{SiW}_{11}\text{O}_{39}]$ .)

In 1929, Pauling opposed the MR theory and proposed a structure for 1:12 complexes based on an arrangement of twelve  $\text{MO}_6$  octahedra sharing corners surrounding a central  $\text{XO}_4$  tetrahedron [3]. Based on X-ray powder diffraction studies, Keggin suggested that the  $\text{MO}_6$

octahedral units were joined together by shared edges and corners [4]. This structure, known today as the "Keggin structure", is shown in Figure 1 using polyhedra. The corners of the twelve octahedra and the one tetrahedron represent the oxygen atoms. The tungsten atoms and other heteroatoms are located at the center of the polyhedra. This structure has tetrahedral symmetry, is almost spherical, and is approximately 1200 pm in diameter.

In 1936 Anderson proposed a structure for paramolybdate (or heptamolybdate) anion,  $[\text{Mo}_7\text{O}_{24}]^{6-}$  [5]. This structure has come to be known as the "Anderson structure". In 1948 Evans reported the structure  $[\text{TeMo}_6\text{O}_{24}]^{6-}$  anion [6]. A number of other different structures are known. The various structures of heteropoly anions then known were finally described in one place by Lindquist in 1950.

In 1950 the major centers for research on heteropoly complexes were in France (Souhay), Germany (Jahr), Rumania (Ripan), Sweden (Sillen), USA (Baker) and USSR (Spitsyn). By 1980 the number of centers for heteropoly research had more than tripled [2].

In 1962 Simmons prepared a heteropoly anion con-

taining two different heteroatoms, cobalt and silicon, with tungsten as the addenda atoms. She confirmed that both Co and Si atoms were part of the anion and not just counterions [1]. Due to analytical difficulties it was not possible to unambiguously determine if this anion contained one cobalt per 11 tungsten atoms or one cobalt per 12 tungsten atoms. Baker and his colleagues proposed the formulation of these anions as 1:1:11 species derived from the Keggin structure [7].

In 1970, Figgis [8] reported that the 1:1:11 species of Simmons contained two non-acidic hydrogen atoms and should be formulated as  $K_6[SiW_{11}O_{39}CoH_2O]$ , not as  $K_6H_2[SiCoW_{11}O_{40}]$ . Furthermore, that in this anion the two hydrogen atoms are really part of a water ligand attached to the cobalt in the anion. This can be seen by reference to diagram b of Figure 1. In this formulation the cobalt is in pseudooctahedral coordination. The cobalt, with an attached water ligand, has replaced a tungsten addenda atom and its external oxygen. This is indicated by the cross-hatched octahedron with the circled apex indicating the water ligand. The silicon atom, the X atom of the Keggin structure, has tetrahedral coordination and is located at the center of the anion structure. This X atom also is attached to

the oxygen atom trans to the water molecule bonded to the cobalt. Figgis proved this by replacing the water molecule with an ammonia molecule. Hence this anion and similar anions should be formulated as  $[\text{H}_2\text{OC}_2\text{O}_5\text{W}_{11}\text{O}_{30}\text{SiO}_4]^{6-}$ . Other investigators soon reformulated their results using the 1:1:11 formulation.

In 1977 Landis further substantiated this interpretation during his study of the octahedral trans effect of cobalt in a series of these 1:1:11 diheteropolytungstate salts. He confirmed the 1:1:11 formula for the dihetero-11-tungsto anions and further substantiated that the water molecule was coordinated to the cobalt atom by preparation, analysis, and characterization of thirty-two potassium salts of dihetero-11-tungsto anions. A typical formula of one of these dihetero-11-tungsto anions is  $[\text{N}_2\text{C}_4\text{H}_2\text{CoO}_5\text{W}_{11}\text{O}_{30}\text{GeO}_4]^{5-}$ . This anion should be named pyrazinecobalto(III)-11-tungstogermanate.

The water ligand of salts, analyzed for all elements except oxygen, was replaced by various amine ligands (in the example just given, pyrazine). The product compounds also were analyzed for all elements except oxygen. His investigations of the octahedral trans effect of cobalt complexes using these lacunary

heteropoly tungstate anion ligands also showed that the X heteroatom had affects on the amines coordinated trans to this heteroatom. He determined this by studying the measurements of the UV, visible, near IR, IR, and proton NMR spectra of a number of 1:1:11 anions.

In 1974, Corigliano and Dipasquale reported [9] the transfer of a vanadium isopoly into nonpolar organic solvent. Tetraheptylammonium bromide in benzene was used to transfer  $\text{Ca}_3\text{V}_{10}\text{O}_{28}$  from the aqueous solution to benzene solution. These authors thought that a kind of ion exchange was occurring. They suggested that the heteropoly anions should be transferred easily into nonpolar solvents with the help of a phase transfer agent. Recently, Katsoulis and Pope reported in a note that they had transferred  $\text{K}_6[\text{H}_2\text{OCoo}_5\text{W}_{11}\text{O}_{30}\text{SiO}_4]$  into toluene [10]. They also reported transferring the anion  $[\text{MnW}_{11}\text{O}_{35}\text{GeO}_4]^{5-}$  into toluene.

### C. Significance & Applications of Heteropoly Anions

Heteropoly anions have a number of applications due to their redox properties, their high charge, and their high ionic weights (masses). Heteropoly complexes have vast applications in analytical, biochemical and indus-

trial fields. A survey of these applications will be discussed by classifying them into several areas - analysis, biochemical methods, catalysis, and other applications.

### 1. Analysis

Heteropoly anions are useful in the gravimetric or colorimetric methods for P, As, Si, Ge, etc. due to their properties involving reduction and precipitation [11], the use of molybdate-vanadate or tungstate-vanadate mixtures in analysis [12] and the analytical determination of elements such as Ti, Zr, Hf, and Sb [13].

### 2. Biochemical methods

The heteropoly anions are useful for the colorimetric determination of cholesterol and uric acid. Phosphotungstic acids are used as precipitants for proteins, alkaloids and purines. The acids are useful as non-specific electron-dense stain for electron microscopy [14]. The staining and precipitant properties involve interactions with organic dyes, such as methylene blue [15] and acriflavin [16]. Heteropoly molybdates and tungstates are used in the dyestuff industry for making color lakes or toners for basic dyes. Heteropoly anions



are useful electron acceptors in the study of photosynthesis. Some heteropoly anions, e.g.  $[\text{SiW}_{12}\text{O}_{40}]^{4-}$  and  $[\text{BW}_{12}\text{O}_{40}]^{5-}$ , exhibit antiviral and antitumoral properties.

### 3. Catalysis

Heteropoly anions, acids, and salts are useful for heterogeneous catalysis. For example, oxidation of propylene and isobutylene to acrylic acid, oxidation of aromatic hydrocarbons [17], olefin polymerization, epoxidation, Friedal-Craft reactions, and dehydration of alcohols.

Heteropoly silver, copper, and nickel salts are reduced at low temperatures. Therefore these salts are very useful catalysts [18]. Much work involving heterogeneous catalysis has been done, most of it in Japan. Some Russian workers have done useful work involving heteropoly anions in homogeneous solutions.

### 4. Other Applications

Some insoluble salts of heteropolies, e.g. ammonium molybdophosphate, are useful as ion exchange materials in thin-layer chromatography of amino acids [19]. The heteropolies 12-tungstophosphoric acid and 12-molybdo-

phosphoric acid are useful as protonic conductors. Heteropoly blue formation is useful for detection of alcoholic and carboxylic groups in organic compounds [20].

#### D. Outline of the Problem

##### 1. Historical

Essentially no work has been reported on the investigation of diheteropoly tungstates as catalysts. Most catalytic investigations [21-24] have utilized either isopolies or heteropolies with other addenda atoms or heteropoly tungstates with only one hetero atom. Some of these investigations involved dissolving the heteropoly in organic solvents. Diheteropoly tungstates are not known to be soluble in nonpolar organic solvents with the exception of the reference by Katsoulis and Pope [10]. A number of investigators [10, 21-24] have reported that isopoly and heteropoly tungstates have catalytic properties. Nomiya et.al. [21] have reported studies of the photooxidation of secondary alcohols by decatungstate isopoly and the Keggin 12-tungstophosphate heteropoly compounds. The catalysts and the

alcohols were dissolved in organic solvents such as acetonitrile. The light source used was a mercury arc lamp. No studies utilizing 1:1:11 diheteropoly compounds has been reported. Presumably this is because the 1:1:11 compounds are not soluble in the organic solvents necessary for the reaction.

Diheteropoly tungstates based on the Keggin structure when dissolved in aqueous solution have UV bands which are of lower energy than the corresponding 12-tungsto anion [1]. Hence some of the 1:1:11 tungstates might be photocatalysts. Furthermore the compounds might be activated with sunlight or light in the visible region of the spectrum if dissolved in organic solvents.

If procedures can be developed to dissolve diheteropoly tungstates in organic solvents and to characterize these solutes in the organic solvents, then homogeneous catalytic studies in organic solvents can be performed.

## 2. Proposal

One goal of this research was to determine if a method could be developed to dissolve diheteropoly tungstate salts in organic solvents. The work of Katsoulis and Pope and preliminary work by Dr. Landis indicated that this first goal should be achieved.

A second goal was characterize these heteropoly tungstates in the organic solution using UV and visible spectroscopy.

The report by Corigliano and Dipasquale [11] seemed to indicate that it should be possible to dissolve the alkali metal salts of diheteropoly tungstates in a water-immiscible, organic solvent containing an organic cation such as an alkyl ammonium ion.

The experimental technique to be used was based upon the idea that sodium and potassium salts are usually more soluble in water than are alkyl ammonium salts of the same anion. Furthermore, the experience of Dr. Landis with a variety of diheteropoly tungstate anions like  $[H_2OC_5W_{11}O_{30}GeO_4]^{6-}$  had led him to hypothesize that Keggin anions have small hydration energies.

Hence he proposed that diheteropoly tungstate anions should be able to be transferred to organic solvents if the associated cation could be affectively solvated by the organic solvent. A type of metathesis reaction between two immiscible solvents was suggested.

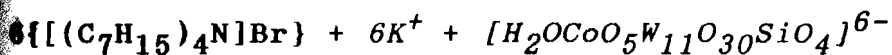
On the basis of relative solubilities, if an organic salt can be found such that the anion of this salt has a greater solubility in water than in the organic solvent, then the heteropoly anion will be forced into

the organic solvent in order to maintain electroneutrality.

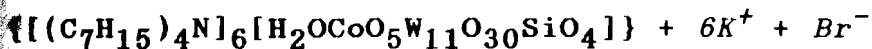
Potassium and sodium cations are more soluble in water than are large hydrophobic organic ammonium cations. The large organic ammonium ions are more soluble in the organic solvent than are the potassium and sodium ions. The large spherical Keggin anion of the diheteropoly tungstate anions are expected to have a low charge density. Hence the Keggin anions should have small energies of solvation. If the anion of the organic salt has a large exothermic energy of solvation in water, but a small energy of solvation in the organic solvent, then this anion will dissolve in the water rather than the organic solvent. The heteropoly anion should then be extracted into the organic solvent in order to maintain electrical neutrality.

The organic salt chosen was tetra-n-heptylammonium bromide. Hence the four possible salts are potassium heteropoly tungstate, potassium bromide, tetra-n-heptylammonium bromide, and tetra-n-heptylammonium heteropoly tungstate. Of these, the potassium bromide is expected to be the most soluble in water. Hence the organic solute should be tetra-n-heptylammonium heteropoly tungstate. The reaction can be represented as

follows:



<=====>



The above chemical equation represents the reaction as an ion pair in the organic solvent and as ions in the water solvent. The part in bold represents the organic phase. The *italicized* print represents the aqueous phase. The braces, { }, represent an ion pair. This reaction is a 'Liquid Ion Exchange Phase Transfer'.

Potassium and sodium cations are more soluble in water than are the larger tetra-n-heptylammonium cations, whereas the larger tetra-n-heptylammonium ions are more soluble in the organic solvent than are the potassium and sodium ions. The organic solvent was selected for the transfer of the polyanion by ion exchange with tetra-n-heptylammonium bromide to eliminate proton interaction with the polyanion.

The characterization of the heteropoly tungstate solutes in the organic solvents was to be performed using UV and visible spectroscopy. The visible and ultraviolet spectrophotometric technique is widely used for the investigation of complex formation in solution

[26]. Spectrophotometry in the UV and visible region is very useful for the study of transient species at low concentration. Ions like Co(II) and Co(III), when complexed with the appropriate ligands, can easily be detected by visible spectroscopy. The diheteropolytungstate anions can be detected in both the UV and visible regions of the spectrum.

The UV and visible molecular absorption spectrophotometry technique is based on measuring the intensity of absorption of near UV or visible radiation at various wavelengths. This radiation causes electronic transitions at wavelengths specific for the structure of the molecule. The absorption measurements require determining the ratio of the radiant power transmitted through a sample to the radiant power transmitted by the pure solvent. This ratio is called the transmittance. The transmittance(T) is related to the absorbance(A) by the relation,  $A = -\log (T)$ .

The absorption spectra of species are markedly effected by the nature of the solvents [25]. The spectra of complex molecules also are affected by the solvent. For example the  $\pi^* \leftarrow n$  transition of acetone takes place at  $35900 \text{ cm}^{-1}$  in hexane whereas this transition of acetone in water occurs at  $37800 \text{ cm}^{-1}$ . The

transition depends on the polarity of the solvent. The reason is that, due to dipole-dipole interactions, water molecules have strong hydrogen bonding but the hexane molecules do not [26].

The intensity of electromagnetic radiation at a certain frequency is related to the extinction coefficient or absorptivity of the molecule. The molar absorptivity, i.e. the extinction coefficient ( $\epsilon$ ), or the absorptivity ( $a$ ) a species is a function of the frequency of the radiation [24].

The reason for absorption in the UV and visible region in a transition metal is due to promotion of electrons in the d-orbital. In a free ion the d-orbitals are in a degenerate state whereas in a complex ion the ligands remove the degeneracy. The ultraviolet spectra also are obtained for aromatic compounds, double-bonded aliphatics, and organic compounds with heteroatoms because the unshared electrons or pi electrons are excited to higher energy states [27].

Beer described that the absorption coefficient at a given thickness was directly proportional to the concentration of the absorbing species in solution [28].

According to the expression called Beer's Law, the absorbance is directly proportional to the analyte



concentration [26]. This relationship can be expressed mathematically as,  $A = abc$ , where  $a$  is the absorptivity of the species in solution,  $b$  is the sample thickness, and  $c$  is the concentration. The absorptivity depends on the nature of the absorbing material and the wavelength of the radiation. The product of the absorptivity and the molecular weight is called molar absorptivity ( $\epsilon$ ). (The older literature uses the terminology molar extinction coefficient.) Molar absorptivity depends on the transition probability and the polarity of the excited state.

Molecular absorption spectra normally are presented by plotting absorbance versus wavelength of the radiation in the UV and visible regions. Since the path length of the cell is fixed and the molar absorptivity is a function of wavelength, the absorbance is directly proportional to the concentration of the species in solution at the specific wavelength [29].

Absorptions in the UV region of 1:1:11 heteropoly tungstate anions have been attributed to charge-transfer transitions[1]. Charge-transfer absorption is of great significance in the heteropoly UV spectra because the molar absorptivity of the charge-transfer peaks have values which impart high sensitivities to the method.

The charge-transfer spectra of complexes in the UV region involve internal oxidation-reduction reactions [29].

## II. EXPERIMENTAL

### A. Equipment

#### 1. Labware

Micro labware was used for the preparations. In some instances small test tubes were also used. The vials and other apparatus were from Wheaton. The largest sized vial in the Wheaton lab kit, 5 mL, proved to be slightly too small. Therefore a Microflex 25 mL flask, purchased from Kimax and compatible with the threaded fittings of the Wheaton labware, was used for preparations requiring larger volumes. The glass vials with a conical internal bottom were very convenient for small volumes. In these vials, stirring was accomplished with a conical magnetic stir bar and magnetic stirrer. Heating was done by placing the reaction vials in sand bath. All glassware was dried at approximately 110°C before use. After some initial difficulties, the

microkit was found to be very useful and convenient for handling of the limited amounts of the expensive heteropoly samples.

## 2. UV-visible Spectrophotometer

The visible and UV spectra were obtained using a GCA McPherson spectrophotometer (model EU-707-11). The spectrophotometer was interfaced to a Commodore computer for data acquisition. The following instrument settings were used.

~Deuterium lamp	(for UV spectra)
~Tungsten lamp	(for visible spectra)
~Slit width	900 nm
~Sample beam	front
~Signal averaging	50
~NM/DIV	5.0
~Chart	SYN
~Function	A, double beam
~Recorder scan	2.0 A

## 3. Spectrophotometer Cells

Quartz spectrophotometer cells, 2.0 mm, (Wilma Glass Co.) were used for obtaining all spectra.

#### 4. Balance

The balance used, Gram-atic Balance (E. Mettler, Switzerland), was accurate to 5 decimal places and had a sensitivity of 0.01 mg.

#### 5. Other Glass Apparatus

Volumetric and graduated pipettes, 1.0 mL, 2.0 mL, 3.0 mL, 4.0 mL, 5.0 mL, and 10.0 mL (Alpha, Pette), from Kimax were used. Also for smaller volumes a 1.0 mL syringe (Houston, TX) was used. Fischer brand capillary pipettes were used for removing the lower aqueous or organic phase from the upper layer.

#### 6. Other Apparatus

A stainless steel micro spatula was used for transferring and handling the solid chemicals. Special care was used to avoid moisture when transferring the heteropoly compounds so that the metal micro spatula would not react with the tungsten heteropoly compounds.

### B. Chemicals

#### 1. Nomenclature

The names used for the organic solvents in the previous section are those used by the suppliers. In

this thesis, these names will be retained rather than using the IUPAC names.

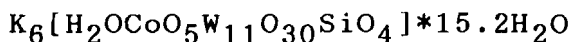
Because of the length and complexity of the heteropoly anion formulae and names, abbreviations will be used in this thesis. For example, potassium aquocobalto(II)-11-tungstosilicate,

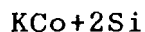
$K_6[H_2OC_5W_{11}O_{30}SiO_4]*15.2H_2O$ , will be designated as  $KCo+2Si$  for the compound and just  $Co+2Si$  for the anion. The  $Co+2$  will represent the cobalt oxidation state, here cobalt(II). The  $Si$  will represent the central tetrahedral atom. Similarly  $Co+3Zn$  implies the anion,  $[H_2OC_5W_{11}O_{30}ZnO_4]^{6-}$  whereas  $ACo+3Zn$  implies the tetra-n-hetpylammonium heteropoly compound.

## 2. Heteropoly Salts

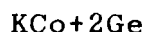
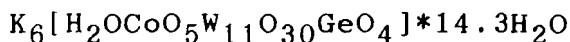
Hydrated potassium salts were provided by Dr. Art Landis. These salts had previously been analyzed for volatiles (water) and all elements expected in the particular salt except oxygen [1]. These salts were used without further purification. The formulae of these salts and the abbreviations used in this thesis are listed below.

### a. Potassium aquocobalto(II)-11-tungstosilicate

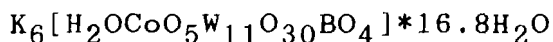




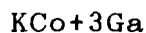
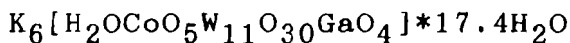
b. Potassium aquocobalto(II)-11-tungstogermate



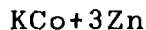
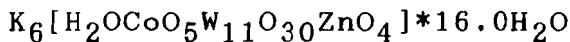
c. Potassium aquocobalto(III)-11-tungstoborate



d. Potassium aquocobalto(III)-11-tungstogallate



e. Potassium aquocobalto(III)-11-tungstozincate



3. Organic Ammonium Salt

Tetra-n-heptylammonium bromide (Eastman Kodak Co.)  
was used without further purification.

### 3. Solvents

Distilled water, obtained from a Sybron/Barnstead  
still, was used as the aqueous solvent.

The organic solvents used were HPLC grade or ACS  
grade and were used without further purification. These  
solvents and sources are listed below.

a. Acetonitrile

(Fisher Scientific Co.)

b. Carbon tetrachloride

(Fisher Scientific Co.)

c. Chloroform

(Fisher Scientific Co.)

d. Cyclohexane

(Taylor Chemical Co.)

e. Isopropyl alcohol

(Fischer Scientific Co.)

f. Methylene chloride

(Mallinckrodt Inc.)

g. Tetrahydrofuran

(Fischer Scientific Co.)

h.

Toluene

(Fischer Scientific Co.)

### C. Preparation of Solutions:

The potassium salts of the five heteropoly salts used in this investigation were converted into tetra-n-heptylammonium salts using a technique which we shall call liquid ion exchange phase transfer. Typically, a fully analyzed potassium heteropoly salt and tetra-n-heptylammonium bromide were placed in a small glass vessel and then water and immiscible organic solvent were added. The masses of heteropoly salt and tetra-n-heptylammonium bromide used were calculated by assuming that each potassium ion would be exchanged for one tetra-n-heptylammonium ion. For the compounds used here, this was a 1:1 molar ratio.

Next the mixture of two liquids and two solids was stirred using a magnetic stirrer. Almost immediately, the potassium heteropoly salt dissolved in the water. The heptylammonium bromide normally did not immediately dissolve. Upon additional stirring, the organic layer became colored and the white heptylammonium bromide disappeared. After a period of time the water layer became colorless or almost colorless. The two liquid



layers were allowed to separate and then the lower layer removed with a capillary pipet. Usually this lower layer was the aqueous layer. When methylene chloride was used, the lower layer was the organic layer.

Next the organic solvent was removed by evaporation at a temperature near the boiling point leaving the tetra-n-heptylammonium heteropoly as a colored solid. Because tests and experience indicated that methylene chloride was a good solvent for these new tetra-n-heptylammonium heteropoly compounds, all heptylammonium heteropoly compounds were twice redissolved and reprecipitated from methylene chloride prior to use.

After the separation was completed, the aqueous layer was tested for potassium ion, bromide ion, and tungsten(VI). A portion of the aqueous layer was acidified with HCl and then flame tested. A violet flame indicative of potassium ion was noted. Then granulated zinc was added to test for W(VI). An intense blue color due to W(V) would indicate tungsten. No blue coloration was noted; and tungsten(VI) therefore was assumed to be absent. To the other portion, a solution of silver nitrate was added. A cream-colored precipitate formed. Then the mixture was acidified with HNO<sub>3</sub>. The precipitate remained, indicating the presence of the bromide

ion.

The  $K_6[H_2OCuO_5W_{11}O_{30}BO_4] \cdot 16.8 H_2O$ , for example, was transferred to cyclohexane by weighing 0.08955 g of this  $KCo+3B$  salt and 0.11765 g of the white tetra-n-heptylammonium bromide into a 5 mL vial. Next 1.0 mL of water and 4.0 mL of cyclohexane were added using volumetric pipets. The contents of the vial was stirred with a magnetic stirrer for about one hour. The lower layer, the aqueous layer, was removed using a capillary pipet. Then the organic layer was transferred to a test tube and the organic solvent evaporated by placing the test tube in a sand bath. The residue was dissolved in methylene chloride. This methylene chloride solvent was evaporated at low temperature, again using a sand bath. Methylene chloride was used again to redissolve the tetra-n-heptylammonium heteropoly. The heteropoly compound was precipitated again by placing the test tube in the heated sand bath. This compound was then dried in the sand bath heated to slightly above  $80^\circ C$  before used in preparation of the solutions for spectroscopic studies.

The other potassium heteropoly salts were converted to tetra-n-heptylammonium heteropoly compounds in the same manner as just described. The amount of potassium heteropoly salts ranged from 0.08 gram to 0.1 gram and

of the tetra-n-heptylammonium bromide from 0.1 gram to 0.2 gram. The liquid volumes of 4.0 mL of the organic solvent and 1.0 mL of distilled water were used for all transfers.

This produced enough compound to prepare solutions for UV studies. For studies in the visible region, more concentrated solutions were needed. Thus the above preparation of the tetra-n-heptylammonium heteropoly compounds was enlarged. A 25 mL round bottomed flask was used in place of the vial. The liquid volumes were increased to 15 mL of the organic solvent and 10 mL of water. The mass of potassium heteropoly salt ranged from 0.40005 g to 0.44400 g. The ammonium bromide masses ranged from 0.54400 g to 0.56110 g. Otherwise the same procedure was used as described above.

The best organic solvent found for effecting the transfer of the  $\text{KCo}+2\text{Si}$ ,  $\text{KCo}+2\text{Ge}$ , and  $\text{KCo}+3\text{B}$  heteropoly salts was cyclohexane. Methylene chloride was required for the  $\text{KCo}+3\text{Ga}$  salt. The  $\text{KCo}+3\text{Zn}$  salt required the use of toluene and heat. A reddish brown precipitate was formed during the heating process for the  $\text{KCo}^{+3}_n$  salt. It is believed that this precipitate might be due to reduction of  $\text{Co(III)}$  to  $\text{Co(II)}$ .

## 1. UV spectra:

Solutions for spectroscopic studies were prepared in the following manner. A 4 mL test tube with a properly fitting, labeled cork was placed in a 25 mL beaker and accurately weighed. The tare mass was approximately 26 grams. Then a portion of the appropriate heptylammonium heteropoly was accurately weighed into the test tube. To the weighed heteropoly compound in the test tube, 1.0 mL of the organic solvent was added using a 1.0 mL glass syringe and the test tube snugly stoppered. The mass of the chemicals, beaker, cork, and test tube were determined and the weight of the organic solvent determined by difference.

Next the solution was shaken to dissolve the heteropoly compound. The spectrum of this solution was obtained immediately.

The concentrations were calculated assuming that the heteropoly solute did not significantly change the solvent volume. The mass of the heteropoly salt required for the UV spectra ranged from 0.00040 g to 0.01040 g.

## 2. Visible spectra:

The same procedure as used for the UV spectra was used except that the masses of heptylammonium heteropoly compound used ranged from 0.00885 g to 0.23810 g.

#### D. Procedure and experimental techniques:

The GCA / Mcpherson spectrophotometer with Commodore-64, 1520 printer plotter and Amdex color monitor were used for obtaining the UV and visible spectra. A pair of 2.0 mm quartz cells were used for obtaining the UV and visible spectra. The base line spectra were obtained by taking the same organic solvent in both reference and sample cells. For obtaining the UV and visible spectra of heteropoly salt solutions, respective organic solvent was taken in the reference cell. The sample cell was rinsed and filled by the heteropoly salt solution by taking care so that there were no air bubbles. The cells were placed in the respective compartments of the double beam sample chamber. For obtaining the UV spectra the light source was a deuterium lamp whereas a tungsten lamp was required for scanning the visible spectra. The wavelength range selected for obtaining the UV spectra was between 185 and 450 nm whereas for the visible spectra the wavelength range was kept between 400 and 750 nm. For obtaining the UV and

visible spectra one organic solvent was selected from each of eight solvent groups as classified by L. R. Snyder and reported in Burdick and Jackson Laboratories' "High Purity Solvent Guide" [30]. The graphs obtained for the UV and visible spectra of the heteropoly salt solutions from the Commodore-64, 1520 printer plotter were transferred to the IBM PC disks, which were finally transferred to the Lotus 123 disks. The base line of the organic solvent was subtracted from the solution by using Lotus 123 program disc. The concentration of the heteropoly salt solution was determined by making use of the density tables in Burdick and Jackson Laboratories' "High Purity Solvent Guide". [30]. From the mathematical expression of the Beer's law, ( $A = abc$ ) the values of the absorptivity for the heteropoly compounds in the organic solvents were determined.

### III. RESULTS

In this section the absorption spectra will be described in the order of solvents of increasing polarity. The figures corresponding to these spectra are arranged in the same order. The order is cyclohexane, carbon tetrachloride, toluene, methylene chloride, chloroform, isopropyl alcohol, tetrahydrofuran, and acetonitrile. For each solvent the order of solute will be Co+2Si, Co+2Ge, Co+3B, Co+2Ga, and Co+3Zn.

### III.A. UV Spectra of Heteropoly Compounds.

#### III.A.1. Cyclohexane

All the UV spectra of n-heptylammonium heteropoly solutions in cyclohexane have two peaks (Figures 2-6). The first peak appeared in the wavelength range 250 - 217 nm ( $40-46 \times 10^3 \text{ cm}^{-1}$ ) with the absorptivity values (a) between 1.67-20.3 g/(L cm). The second peak appeared in the wavelength range 278-261 nm ( $35.9 - 38.3 \times 10^3 \text{ cm}^{-1}$ ) with absorptivity values between 0.718 to 20.6 g/(L cm). The concentration varied between 0.41 and 6.35 g/L. The absorption maxima for Co+2Si and Co+2Ge were 277.45 nm and 277.98 nm respectively. The absorption bands Co+2Si and Co+2Ge were very broad (Figures 2 and 3). The compounds Co+3B, Co+3Zn produced less broad peaks (Figures 5-6). A summary of these data

in Table I.

### I.A.2. Carbon Tetrachloride

The UV spectra of heteropoly compounds in carbon tetrachloride (Figures 7-11) showed the same trend as in cyclohexane. The first and second peaks appeared in the wavelength range 278 to 270 nm ( $36-37 \times 10^3 \text{ cm}^{-1}$ ) with absorptivity values of 2.84-4.22 g/(L cm). The concentration varied between 4.30-6.05 g/L. The absorption maxima for Co+2Si and Co+2Ge were in the same region (Figures 7 & 8). The shape of the peaks for Co+3B, Co+3Ga and Co+3Zn were broad (Figures 9-11). A summary of these data are given in Table II.

### II.A.3. Toluene

The UV absorption spectra in toluene had comparatively less broad peaks (Figures 12-16). The only broad peak was with the Co+2Ge compound (Figure 12). The first peak appeared in the range between 1.52 and 3.0 g/(L cm). The Co+3B and Co+2Si compounds only showed a single peak. The concentration range in the toluene varied between 0.82 to 8.89 g/L. These data are summarized in Table III.



#### II.A.4. Methylene Chloride

The first peak appeared in the wavelength range of 233 to 227 nm ( $43-44 \times 10^3 \text{ cm}^{-1}$ ) for the UV absorption spectra in methylene chloride (Figures 19-24). The absorptivity (a1) range was 6.06-9.59 g/(L cm). The second peak appeared in the wavelength range of 233 to 227 nm ( $43-44 \times 10^3 \text{ cm}^{-1}$ ) with absorptivity (a2) range of 2.27-7.26 g/(L cm). The concentration varied between 1.37-2.49 g/L. The compounds Co+2Si and Co+2Ge had two well marked broad peaks (Figure 17 & 18) as compared to the Co+3B, Co+3Ga and Co+3Ge compounds which had a narrow peak with a shoulder (Figure 18-20). These data are summarized in Table IV.

#### III.A.5. Chloroform

The UV spectra of these heteropoly compounds in chloroform solution showed very broad peaks for Co+2Si and Co+2Ge (Figure 22 and 23). The absorption spectra of Co+3B, Co+3Ga and Co+3Zn showed peaks with a shoulder (Figures 24-26). The wavelength range of the first peak was between 260 and 236nm ( $38.5-42.3 \times 10^3 \text{ cm}^{-1}$ ) with the absorptivity (a1) range of 2.88-5.59 g/(L cm). The second peak was between 274 and 253 nm ( $36.5-39.4 \times 10^3 \text{ cm}^{-1}$ ) with absorptivity range of 2.58-5.39 g/(L cm). The concentration range was between 1.60-5.34 g/L. These

are summarized in Table V.

#### III.A.6. Isopropyl Alcohol

The UV spectra in isopropyl alcohol (Figures 27-31) showed the same trend as in chloroform with very broad peaks for Co+2Si and Co+2Ge (Figure 27 & 28) and well defined peaks for Co+3B and Co+3Ga (Figure 29 & 30). The Co+3Zn compound was the exception with a very broad peak (Figure 31). The wavelength range of the first peak was between 242 and 222 nm ( $41.4-45.1 \times 10^3 \text{ cm}^{-1}$ ) with absorptivity ( $a_1$ ) range of 2.4-4.72 g/(L cm); whereas the second wavelength range was between 267 and 256 nm ( $37.5-39.0 \times 10^3 \text{ cm}^{-1}$ ) with absorptivity ( $a_2$ ) range of 2.17-5.32 g/(L cm). The concentration range was 4.91-7.01 g/L. The data are summarized in Table VI.

#### III.A.7. Tetrahydrofuran

The UV spectra in tetrahydrofuran showed very broad peaks with shoulders (Figures 32-36). The exception was Co+2Ge which had two well defined peaks (Figure 33). The first peak was in the range 249 to 240 nm ( $40.2-41.6 \times 10^3 \text{ cm}^{-1}$ ) with absorptivity ( $a_1$ ) range of 1.74-6.43 L/(g cm). The second peak was in the range 291 to 249

( $34.4-40.1 \times 10^3 \text{ cm}^{-1}$ ) with an absorptivity ( $a_2$ ) range of 1.24-6.44 L/(g cm). The concentration range was 2.29-10.2 g/L. In Table VIII, these data are summarized.

#### II.A.8. Acetonitrile

The UV absorption spectra of acetonitrile showed two well defined peaks for Co+2Si and Co+2Ge (Figures 37-38). For Co+3B, Co+3Ga and Co+3Zn, a single peak with a shoulder (Figures 39-41) was observed. The range of the first peak was between 229 and 216 nm ( $43.7-46.4 \times 10^3 \text{ cm}^{-1}$ ) with absorptivity ( $a_2$ ) range of 5.11-15.1 L/(g cm). The range of the second peak was 261 to 251 nm ( $38.3-39.8 \times 10^3 \text{ cm}^{-1}$ ) with absorptivity ( $a_2$ ) range of 2.29-5.96 L/(g cm). The concentration range was between 1.17-3.17 g/L. These data are summarized in Table VIII.

#### III.B. Visible Spectra of Heteropoly Compounds.

##### III.B.1. Cyclohexane

The visible spectra of the heteropoly compounds in cyclohexane (Figures 42-46) were obtained from saturated solutions. The concentrations ranged between 32.7-210.1 g/L. The Co+3B and Co+3Zn compounds showed no peaks

(Figures 44 & 46). The wavelength at maximum absorbance,  $\lambda_{\text{max}}$ , for the other three compounds ranged between 549.3 and 669.8 nm ( $18.2$ - $14.9 \times 10^3 \text{ cm}^{-1}$ ). The Co+2Si, Co+2Ge and Co+3Ga compounds showed one, two, and three peaks respectively. Broad peaks were observed for Co+2Si and Co+2Ge (Figures 42 & 43), whereas Co+3Ga showed a peak with two shoulders (Figure 45). These data are summarized in Table X.

### III.B.2. Carbon Tetrachloride

The visible absorption spectra of the Co+2Si and Co+2Ge compounds (Figures 47 & 48) in carbon tetrachloride showed single broad peak. The values of  $\lambda_{\text{max}}$  were 551.68 and 563.65 nm ( $18.126$  and  $17.741 \times 10^3 \text{ cm}^{-1}$ ), respectively. The Co+3Ga and Co+3Zn compounds showed three marked peaks (Figures 49 & 50). The Co+3B compound showed a broad peak with a shoulder (Figure 51). The  $\lambda_{\text{max}}$  for the cobalt(III) compounds had values very close to each other. The concentrations of the compounds ranged between 203.7-236.4 g/L. These data are summarized in Table XI.

### III.B.3. Toluene

The spectra of Co+2Si and Co+2Ge in toluene (Fig-

Figures 52 & 53) were similar to spectra in carbon tetrachloride. Single broad peaks were observed. The colors of the Co+2Si and Co+2Ge solutions were dark red and violet, respectively. The spectra of the cobalt(III) compounds are shown in Figures 54 through 56. The lambda max values of Co+3Ga and Co+3Zn were very close to each other (698.69 and 701.46 nm, respectively). The concentration range was between 12.3-77.5 g/L. The data are given in Table XII.

#### III.B.4. Methylene Chloride

The spectra for the compounds in methylene chloride are given in Figures 57 through 61. The spectra of Co+3B, Co+3Ga, and Co+3Zn showed two, three, and four peaks, respectively. From the data in Table Xiii, it can be seen that the absorptivity values of Co+3B are higher than for the other compounds; whereas the lambda max for Co+3Ga is higher than for the other compounds. The concentration range was between 57.9-109.4 g/L.

#### III.B.5. Chloroform

The spectra in chloroform (Figures 62-66) essentially had no features. Only the Co+3B compound had observable peaks (Figure 68). The spectra of the other four com-

ounds had no significant peaks. The data are in Table IV.

#### III.B.6. Isopropyl Alcohol

The spectra in isopropyl alcohol (Figures 67-71) were similar to those in chloroform. Only the Co+3B compound had observable peaks (Figure 69). The spectra of the other four compounds had no significant peaks. However the solutions of Co+2Si and Co+2Ge were violet (Figures 67 and 68). The color of Co+3B was bluish-green (Figure 69). The data are in Table XV.

#### III.B.7. Tetrahydrofuran

The tetrahydrofuran spectra of Co+2Si and Co+2Ge showed two and one peak, respectively (Figures 72 and 73). The Co+3B spectrum is shown in Figure 74. The spectra of Co+3Ga and Co+Zn (Figures 75 & 76) showed distinct, similar, multiple peaks having almost the same lambda max and absorptivity values. These data are given in Table XVI.

#### III.B.8. Acetonitrile

The peaks of all the compounds in acetonitrile (Fig-

os 77-81) were much more pronounced. All compounds showed multiple absorption peaks. The Co+2Si and Co+2Ge solutions had broad peaks with a shoulder and had a lambda max in the same region. These data are given in Table XVII along with the data for the other compounds in acetonitrile. The spectra of Co+3B showed strong, broad, multiple peaks. The spectra of Co+3Ga and Co+3Zn were similar to each other. They had almost the same values of lambda max and absorptivity.

### III C. Spectra of n-Heptylammonium Bromide

No peaks were observed in the visible region. A single band was observed in the UV region for all solvents used.

The UV spectra of n-heptylammonium bromide, dissolved in cyclohexane (Figure 82), showed a small peak having a lambda max of 216.01 nm ( $46.294 \times 10^3 \text{ cm}^{-1}$ ) and an absorptivity of 0.479 L/(g cm). The UV spectra of this compound in carbon tetrachloride (Figure 83) showed a broad peak having a lambda max of 272.86 nm ( $36.649 \times 10^3 \text{ cm}^{-1}$ ). In toluene (Figure 84) a very small peak was observed. The UV spectra in methylene chloride (Figure

5) and in chloroform (Figure 86) had narrower peaks with lambda max values of 233.87 nm ( $42.759 \times 10^3 \text{ cm}^{-1}$ ) and 239.68 nm ( $41.722 \times 10^3 \text{ cm}^{-1}$ ), respectively. The absorptivity values in these solvents were 7.56 and 6.635 L/(g cm), respectively. The UV spectra in isopropyl alcohol (Figure 87) and tetrahydrofuran (Figure 88) showed very sharp peaks having lambda max values of 211.43 nm ( $47.297 \times 10^3 \text{ cm}^{-1}$ ) and 234.82 nm ( $42.586 \times 10^3 \text{ cm}^{-1}$ ), respectively. The absorptivity values were 1.144 and 1.508 L/(g cm), respectively. The UV spectra in acetonitrile (Figure 89) showed very broad peak having lambda max of 225.98 nm ( $44.252 \times 10^3 \text{ cm}^{-1}$ ) and an absorptivity value of 0.131 L/(g cm). The data for the tetra-n-heptylammonium bromide are summarized in Table IX.

#### IV. DISCUSSION

The solubilities in organic solvents of five diheteropoly tungstates of the Keggin structure were investigated. Potassium salts of water soluble anions such as aquocobalto(III)-11-tungstosilicate were converted by mixing with tetra-n-heptylammonium bromide, to salts



which were soluble in organic solvents. The absorption spectra in the selected eight solvents were determined.

Most of the UV spectra of tetra-n-heptylammonium teropoly solutions in cyclohexane have two peaks. The spectra for Co+2Si and Co+2Ge have very broad peaks. The Co+3Ga and Co+3B have the wavelength of maximum absorbance, hereafter called lambda max, in the same region. The Co+3Zn also has a very broad peak. The absorptivity value for Co+2Ge and Co+2Si were higher as compared to other compounds (Table I).

The Co+2Ge and Co+2Si spectra in carbon tetrachloride showed less broad peaks as compared to cyclohexane. The UV spectra of Co+2Ge showed two peaks. The absorptivity value decreased from 10.5 to 2.93 L/(g cm). The lambda max was shifted from 246.98 to 273.47 nm (Table I and II).

The UV spectra of Co+2Ge in toluene showed a narrow peak with lambda max shifted to 284.4 nm. The values of absorptivity were further decreased to 1.43 L/(g cm). When the nonpolar solvents like cyclohexane and carbon tetrachloride, were used the peaks were broad. In toluene, which is slightly polar, the peaks were comparatively less broad. With methylene chloride as the solvent, the absorption spectrum of Co+2Ge has two well

efined peaks. The Co+2Si behaved in the similar manner. The Co+3Ga and Co+3Zn compounds in methylene chloride showed a sharp peak with a shoulder. The Co+3B showed also a sharp peak in with a shoulder.

The spectra in chloroform for Co+2Ge showed a broad and strong peak. The peak for Co+2Si was also broad and strong. The Co+3Ga, Co+3B and Co+3Zn have distinct peaks with a shoulder.

The UV spectra of Co+2Ge in isopropyl alcohol showed very broad peak. The Co+2Si behaved in the same way. The Co+3Ga, Co+3B have two distinct peaks whereas Co+3Zn showed a broad strong peak.

The UV spectra of Co+2Ge in tetrahydrofuran and acetonitrile showed two well defined strong peaks. The UV spectra of Co+3B, Co+3Ga and Co+3 showed distinct peaks with shoulder. The visible spectra of Co+2Ge and Co+2Si showed two and one peak, respectively. The Co+3Ga showed three peaks. No peaks were observed with Co+3B and Co+3Zn. In carbon tetrachloride, the Co+2Ge and Co+2Si showed the same trend. In Co+2Ge lambda max was in the same region. In toluene the shape of the peak was similar.

In chloroform, the lambda max further shifted to 544.19 nm. In isopropyl alcohol, the lambda max further shifted to 540.11 nm. In the tetrahydrofuran solutions,

peak shape was similar to chloroform and lambda max in the same region. In the acetonitrile solutions, the lambda max shifts to 494.27 nm.

The visible spectra of  $\text{Co}+2\text{Ge}$  in acetonitrile showed two broad peaks.

From the above results we conclude that as we proceed from nonpolar to polar solvents, the lambda max shifts to lower wavelength, that is to higher energy.

To obtain the visible spectra in cyclohexane, saturated solutions were used. The  $\text{Co}+3\text{Zn}$  compound was less soluble compared to other compounds. This might be due to higher negative charge on  $\text{Co}+3\text{Zn}$ .

The spectra of  $\text{Co}+3\text{B}$  behaved differently than  $\text{Co}+3\text{Zn}$  and  $\text{Co}+3\text{Ga}$ . A possibility for the different behavior of  $\text{Co}+3\text{B}$  might be due to small size of boron or the lack of d-orbitals.

The visible spectrum of  $\text{Co}+2\text{Si}$  in toluene in this work showed only a very broad peak. Katsoulis and Pope [10] reported that the spectrum of  $\text{Co}+2\text{Si}$  in toluene is a broad band of three almost completely merged absorptions. Perhaps the difference is due to differences in water content of the toluene solvent.

The solvent affects the UV spectra due to solvent-solute interactions. In going from a non-polar to a

lar solvent, loss of fine structure may occur, and the wavelength of maximum absorption either shifts bathochromically or hypochromically [26].

The shifting of the wavelength of maximum absorption depends upon the nature of the transition and type of solute-solvent interaction. The tetra-n-heptylammonium bromide minimizes the proton interaction with in aqueous phase and with the extracted polyanions.

The absorption of ultraviolet or visible radiation by heteropoly ions may be either due to excitation of the metal ion, the ligand, or a charge-transfer transition. The solvent effects on the spectra in the ultraviolet region are probably due to solvent-solute interactions. These interactions are different in the ground and excited states. Hence the wavelength of maximum absorption is shifted. Further studies need to be done in this area.

Recently the heteropoly anions have been brought into the limelight for their usefulness in catalysis. The structures of heteropoly anions resemble fragments of metal oxide lattice and studies of these anions should aid in the understanding of catalyst-substrate interactions [31]. The study of heteropoly anions in nonpolar and polar solvents have opened new areas of research in catalysis, molecular activation, high tem-

structure chemistry, and synthesis of heteropoly anions  
derivatives.

Many heteropoly have surface coordinated water  
molecules, such as  $[\text{H}_2\text{OCOW}_{11}\text{O}_{35}\text{SiO}_4]^{-6}$ . Baker, Figgis,  
Landis have shown that such water molecules can be  
replaced by other ligands such as pyridine, pyrazine,  
etc. [1 & 32]. Therefore ligand substitution  
reactions now may be studied in solvents in which the  
ligand and water is not the most concentrated ligand in  
solution.

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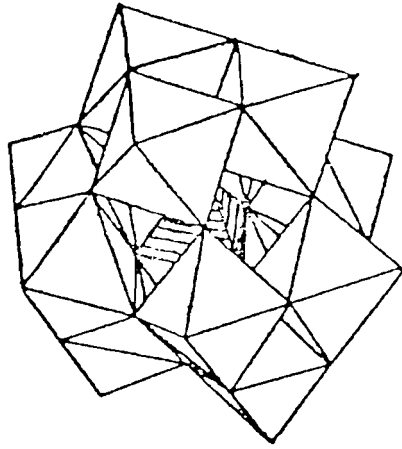
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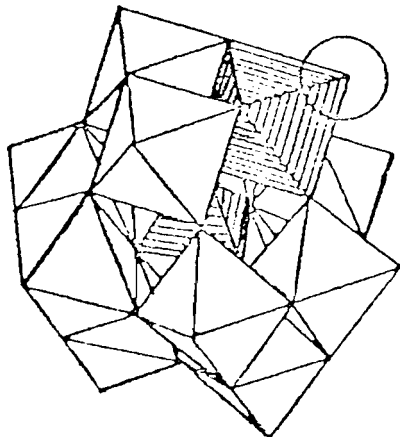
Appendix A - Figures

Figure 1.  
Keggin Structure





*a*



*b*

Figure 2.

UV Spectrum of  $\text{Co}+2\text{Si}$  in Cyclohexane

COFZSI  
in cyclohexane

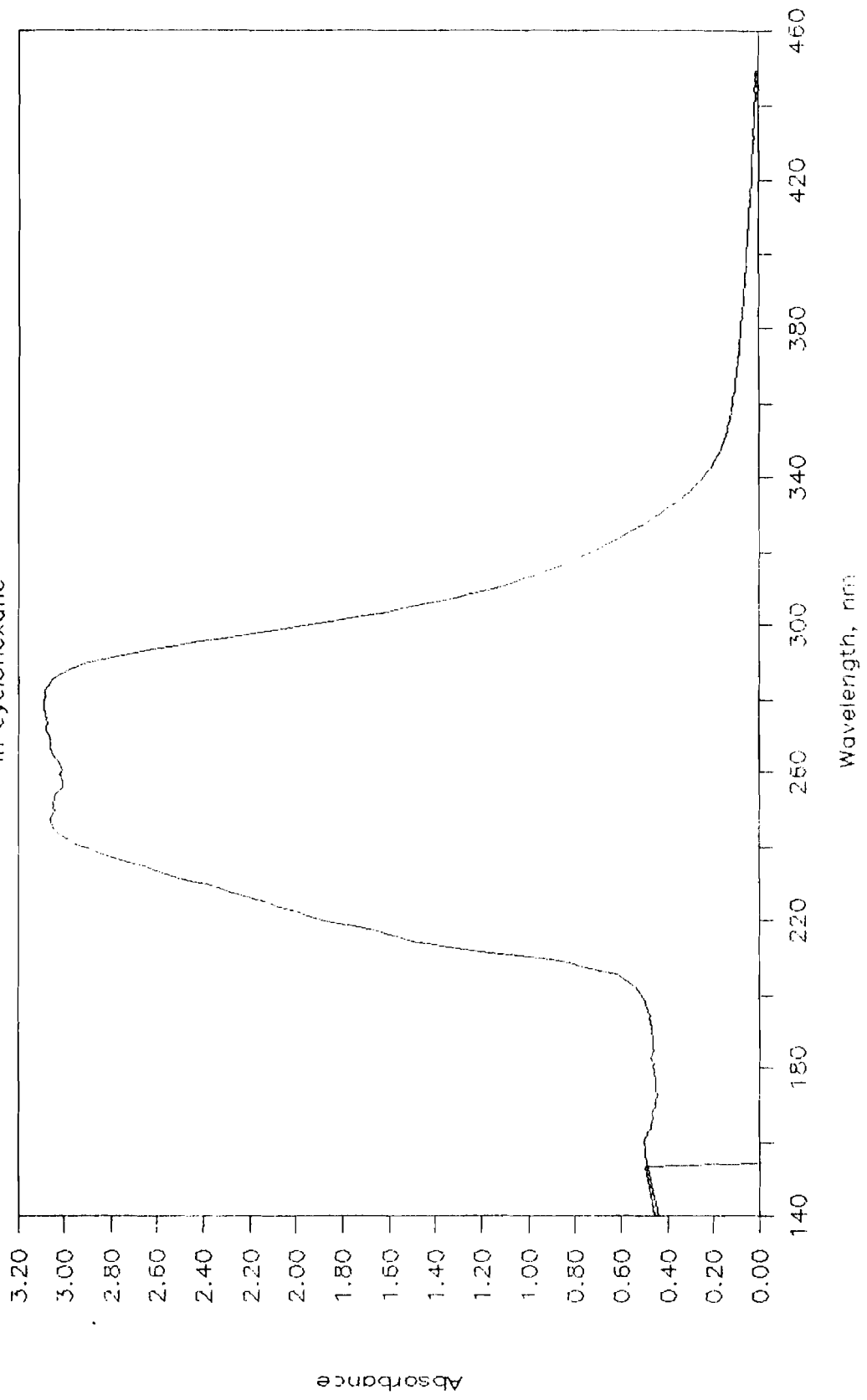


Figure 3.  
UV Spectrum of  $\text{Co}^{2+}$  in Cyclohexane

in cyclohexane

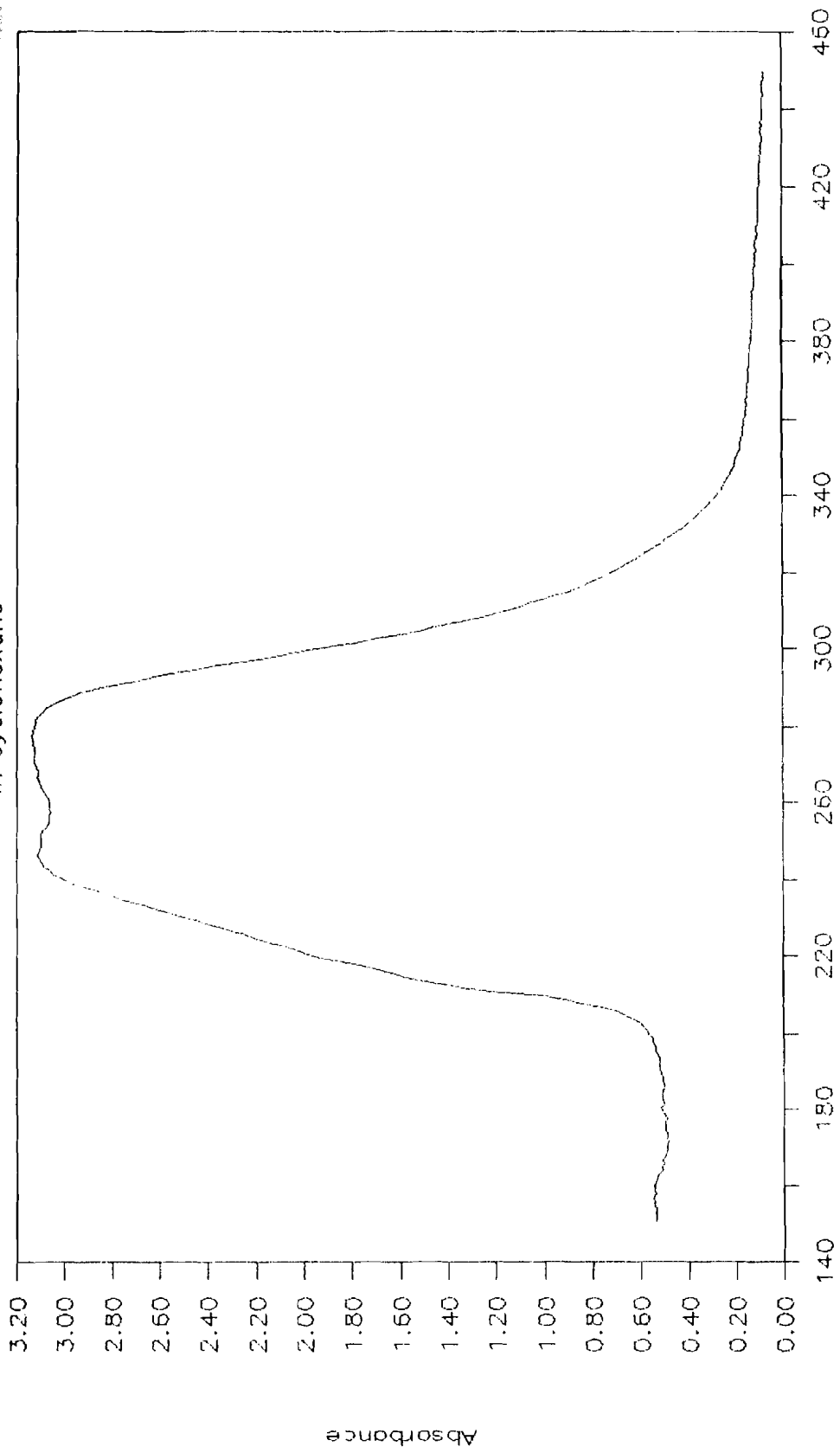


Figure 4.

UV Spectrum of Co+3B in Cyclohexane

CO<sub>2</sub>OP

in cyclohexane

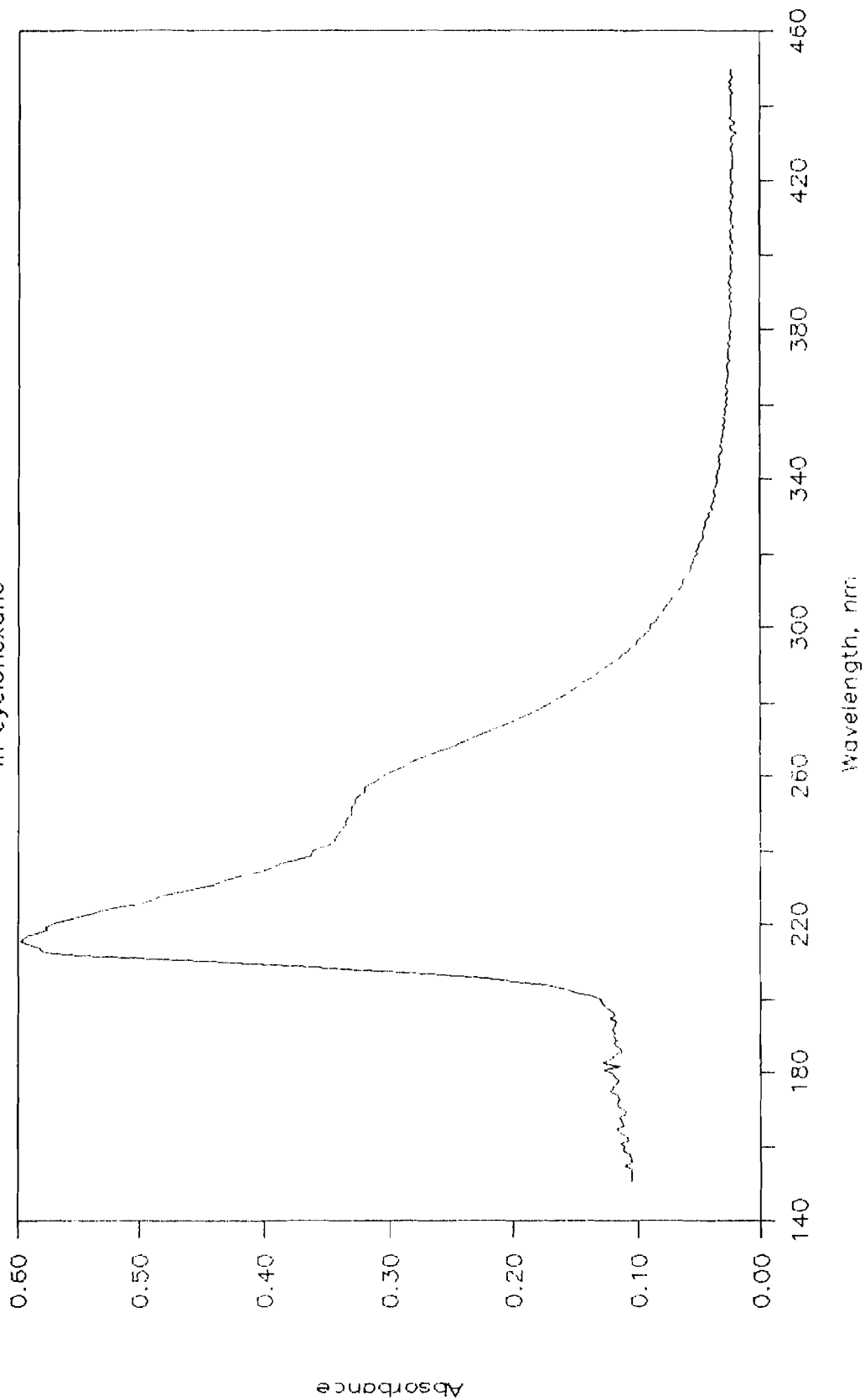


Figure 5.

UV Spectrum of  $\text{Co}^{3+}\text{Ga}^{3+}$  in Cyclohexane



in cyclohexane

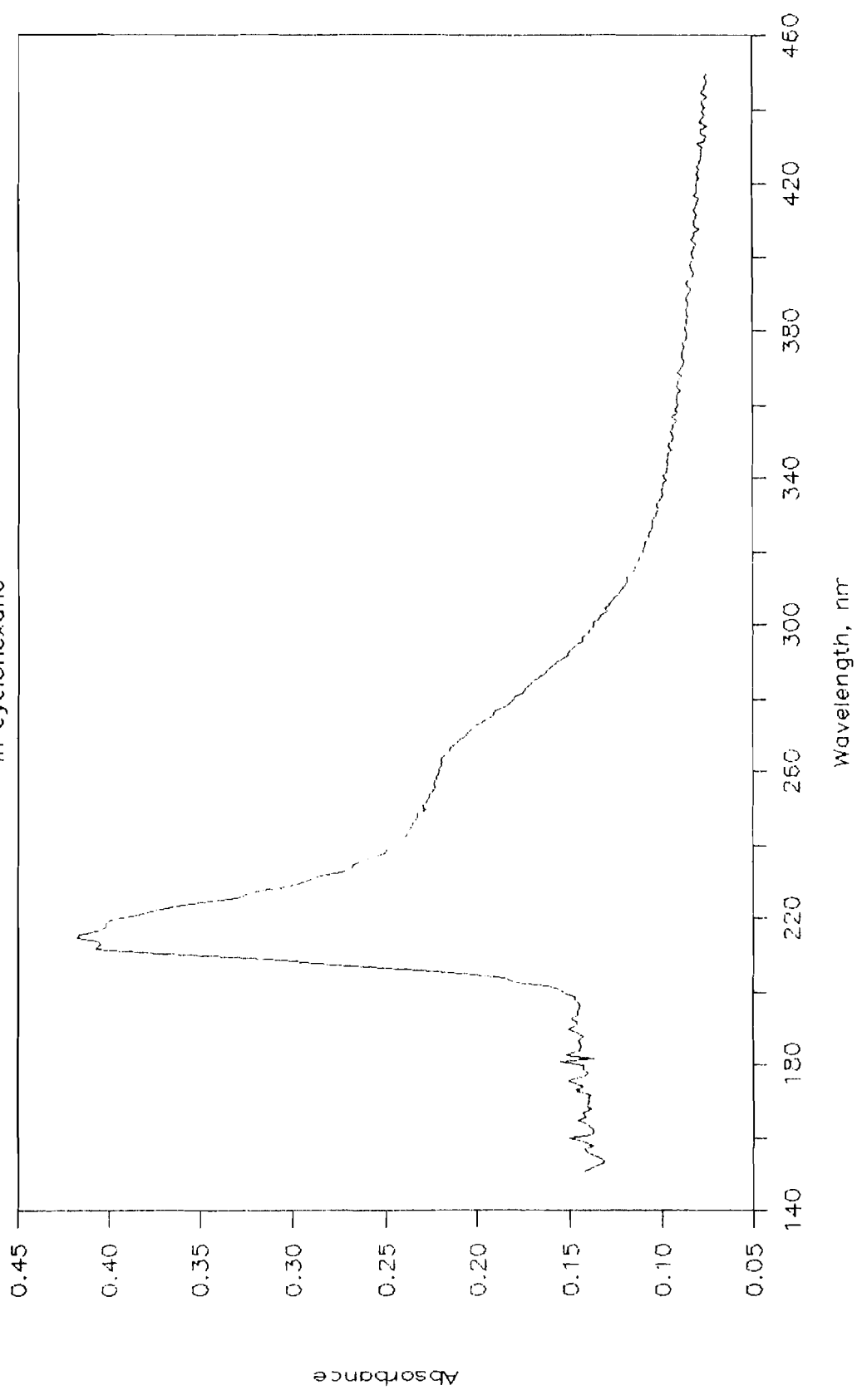


Figure 6.  
UV Spectrum of Co+3Zn in Cyclohexane

COLORED  
in cyclohexane

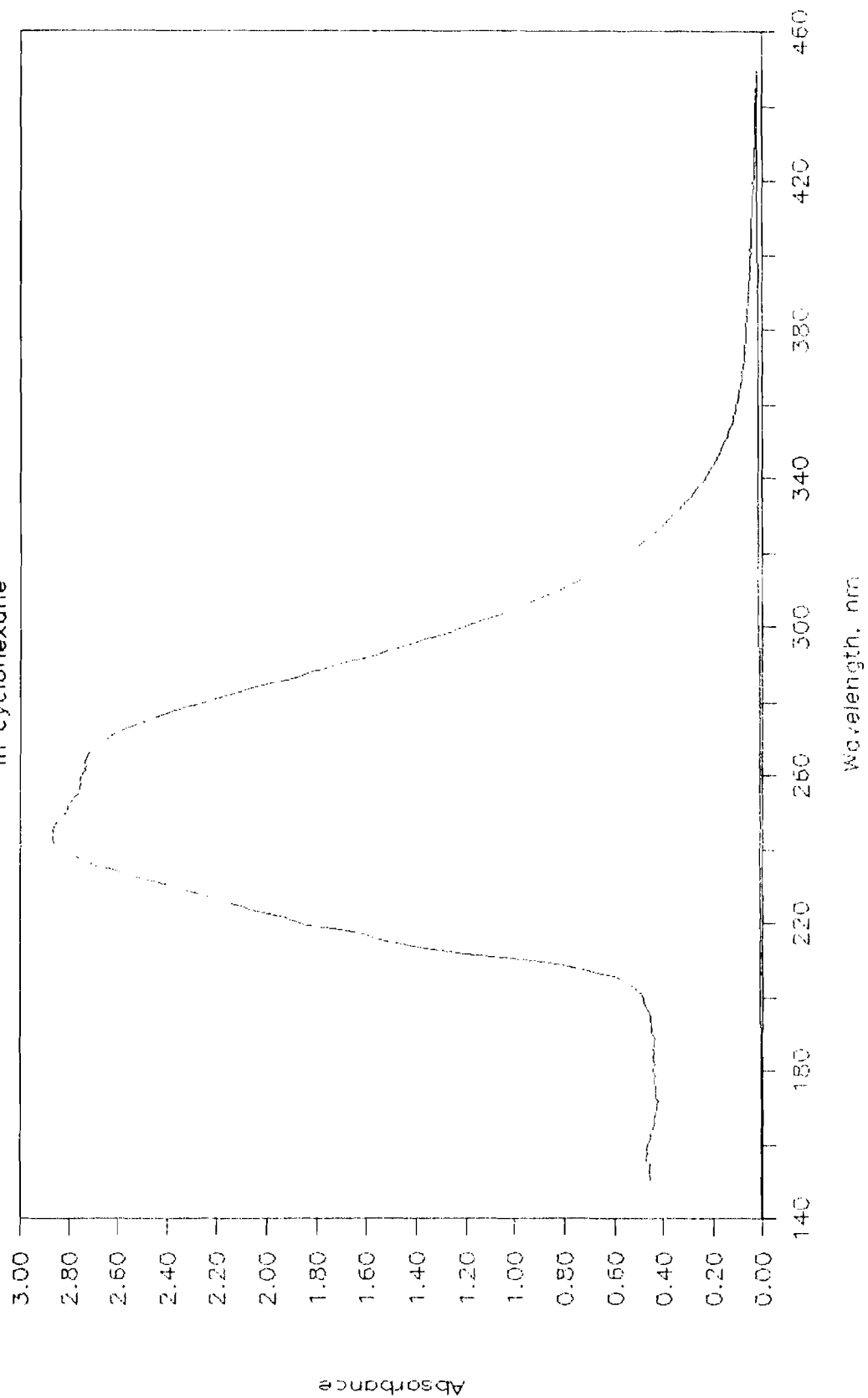


Figure 7.

UV Spectrum of  $\text{Co}+2\text{Si}$   
in Carbon Tetrachloride

CO-1231

in carbon tetrachloride

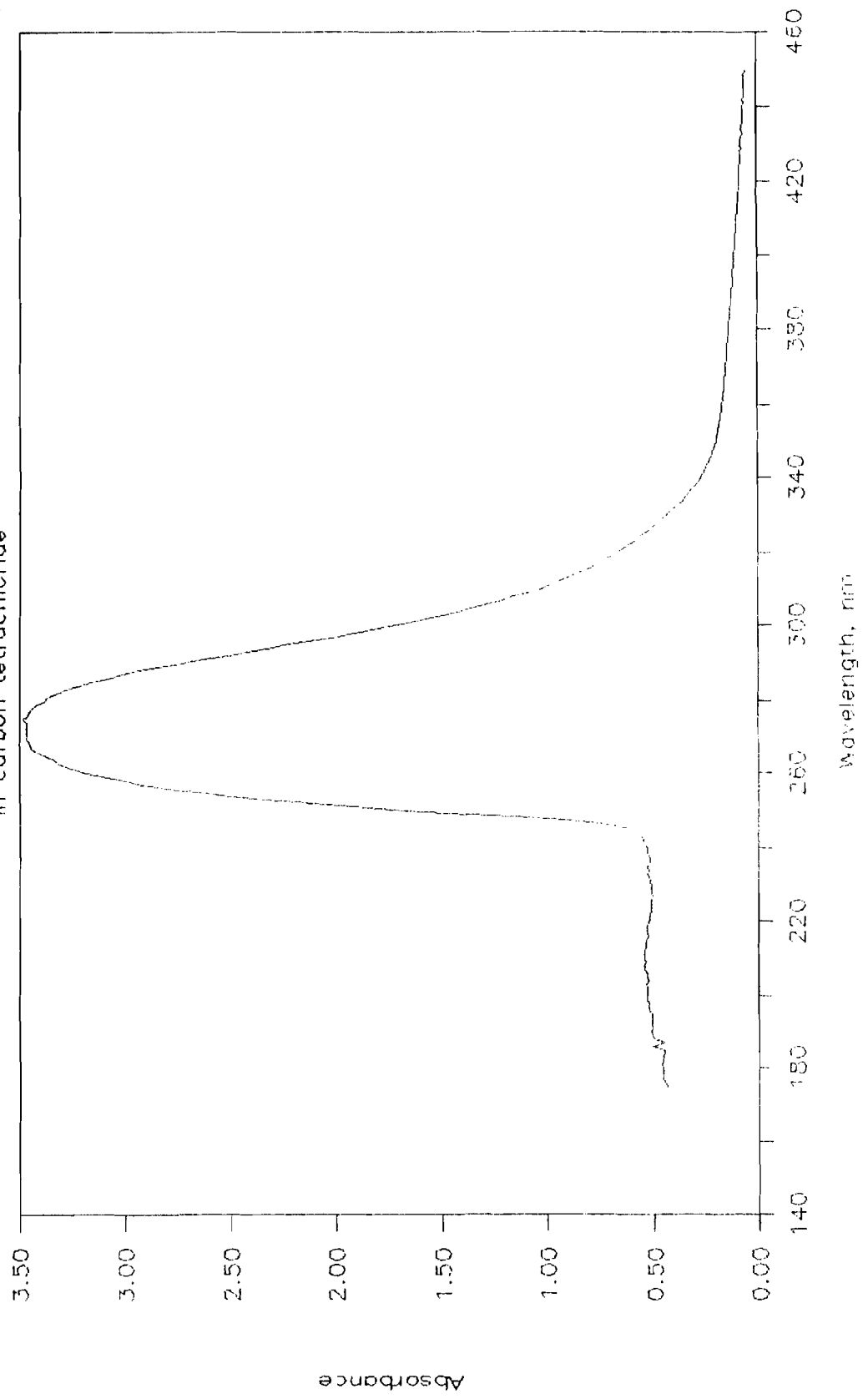


Figure 8.

UV Spectrum of  $\text{Co}+2\text{Ge}$   
in Carbon Tetrachloride

in carbon tetrachloride

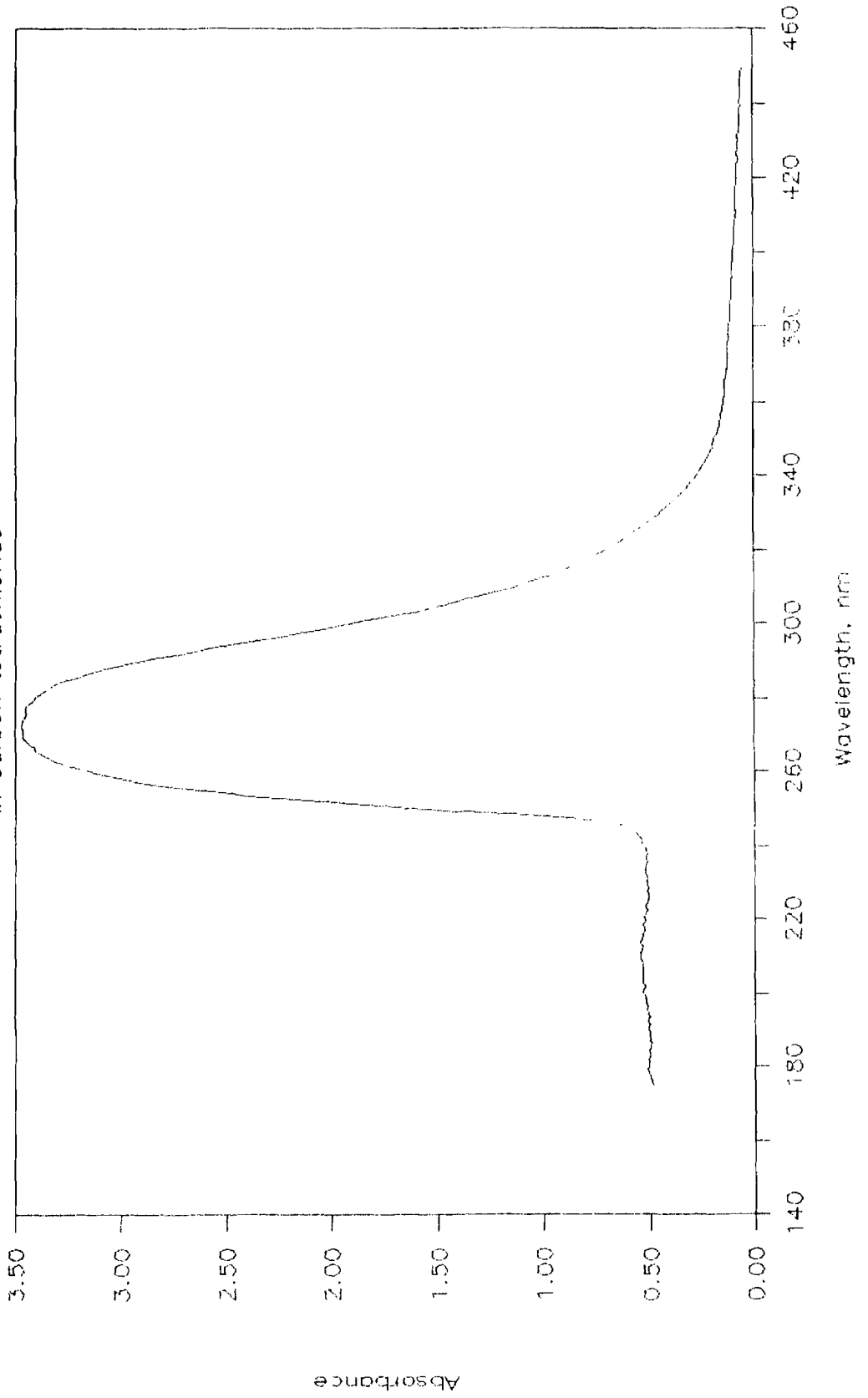


Figure 9.

UV Spectrum of Co+3B  
in Carbon Tetrachloride



COCl<sub>2</sub>

in carbon tetrachloride

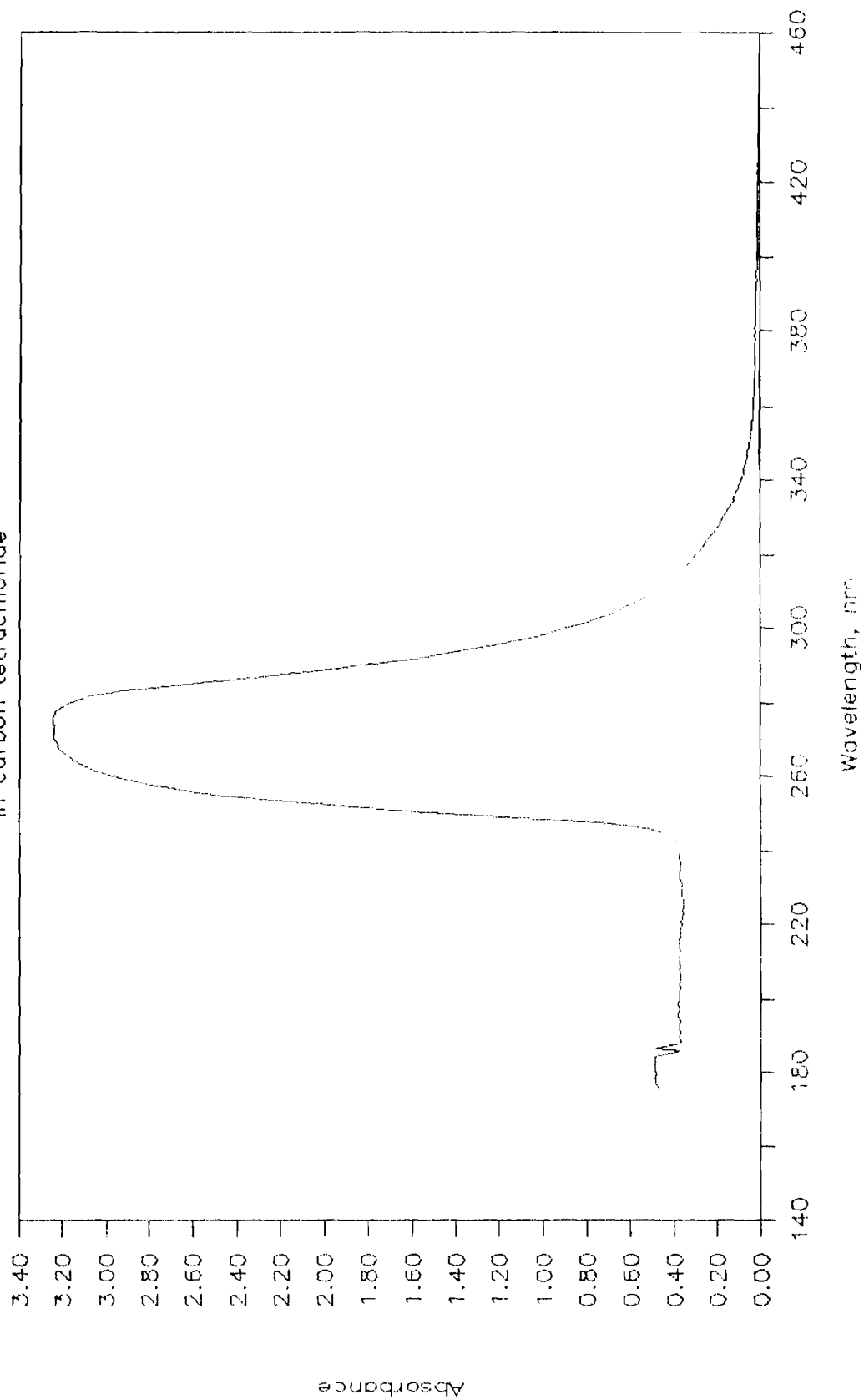


Figure 10.

UV Spectrum of  $\text{Co}+3\text{Ga}$   
in Carbon Tetrachloride

CO<sub>2</sub>SO<sub>2</sub>

in carbon tetrachloride

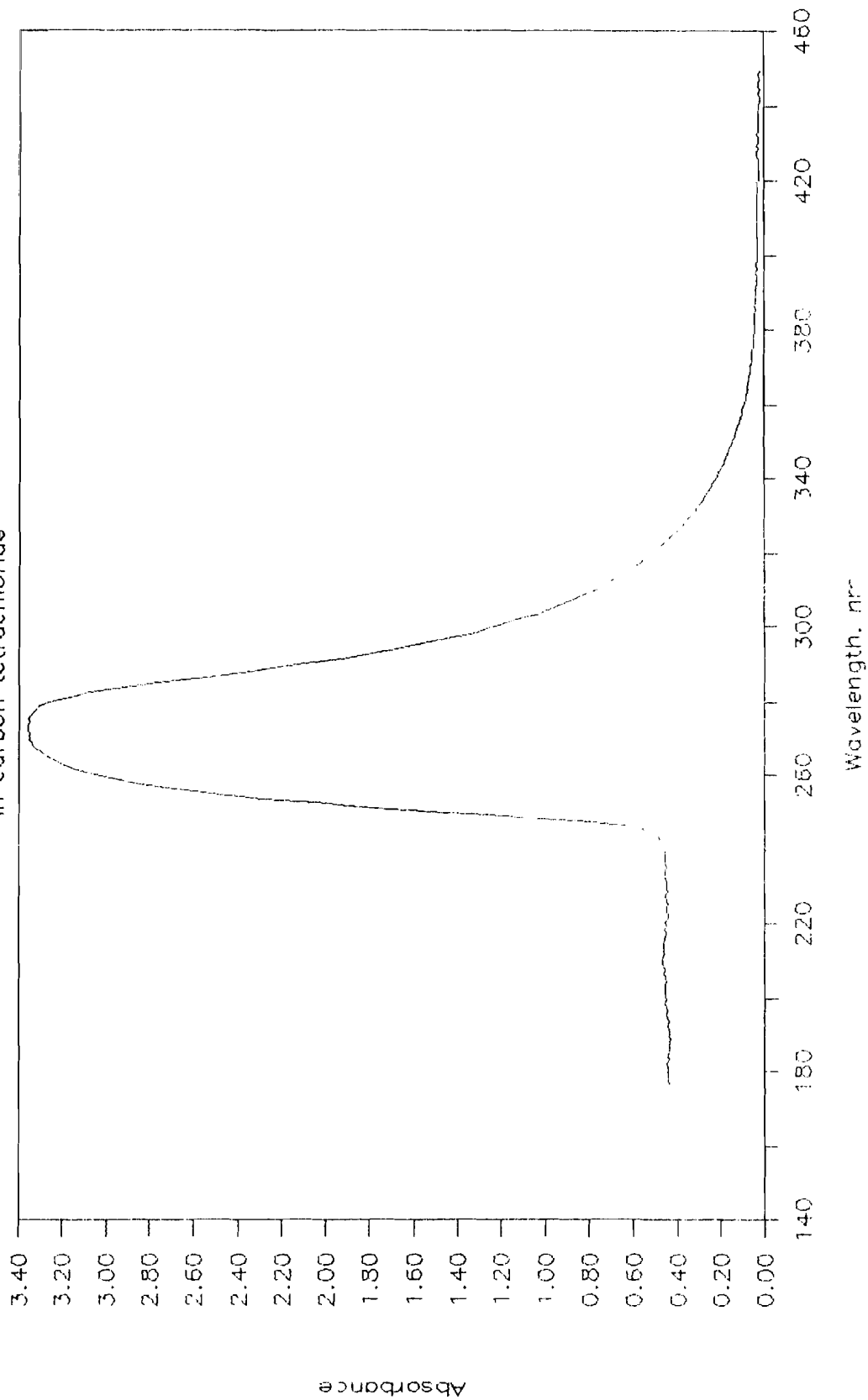


Figure 11.

UV Spectrum of  $\text{Co}+3\text{Zn}$   
in Carbon Tetrachloride

# COTAZIN

in carbon tetrachloride

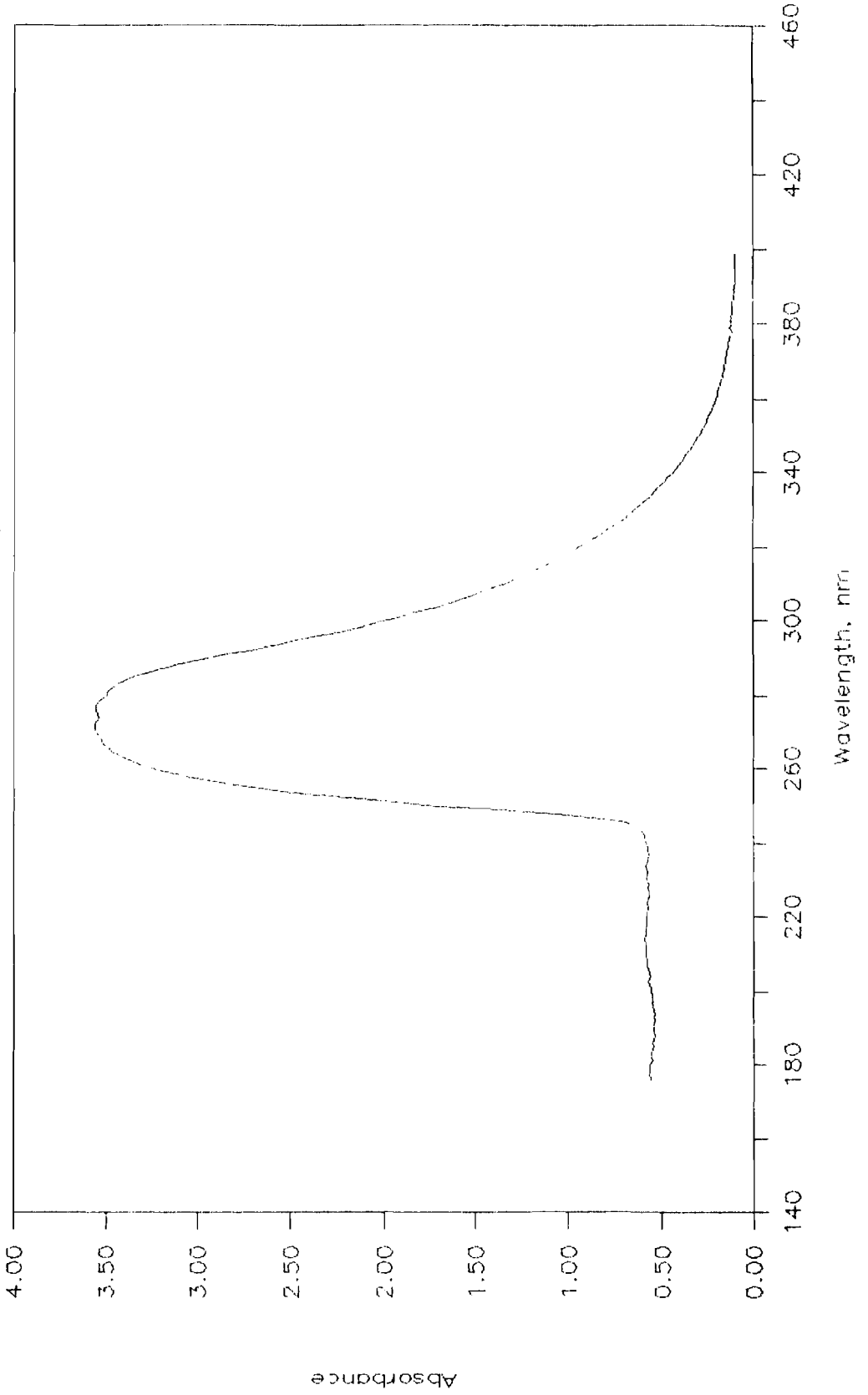


Figure 12.

UV Spectrum of  $\text{Co}+2\text{Si}$  in Toluene

COFZSI

in toluene

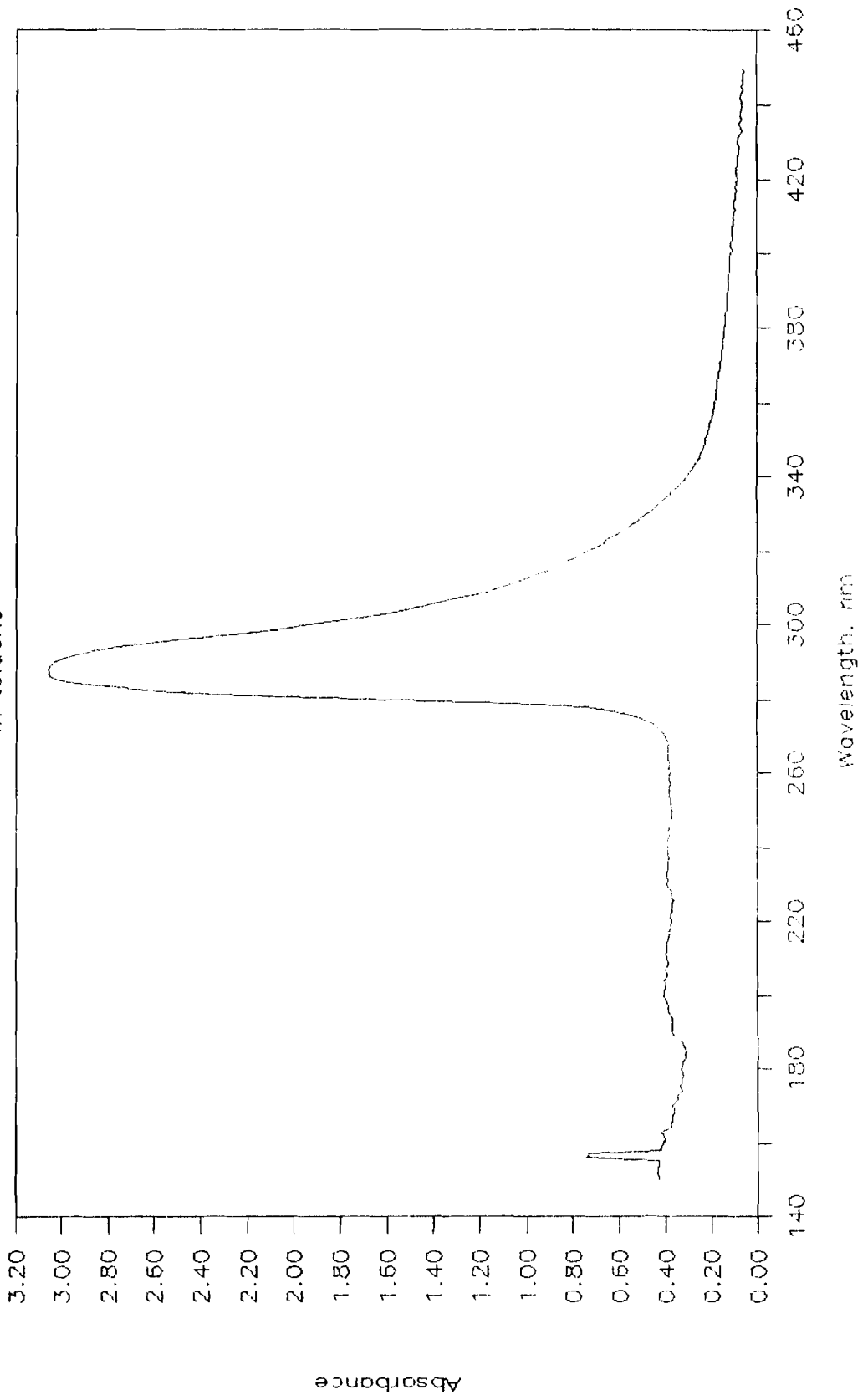


Figure 13.

UV Spectrum of  $\text{Co}+2\text{Ge}$  in Toluene



in toluene

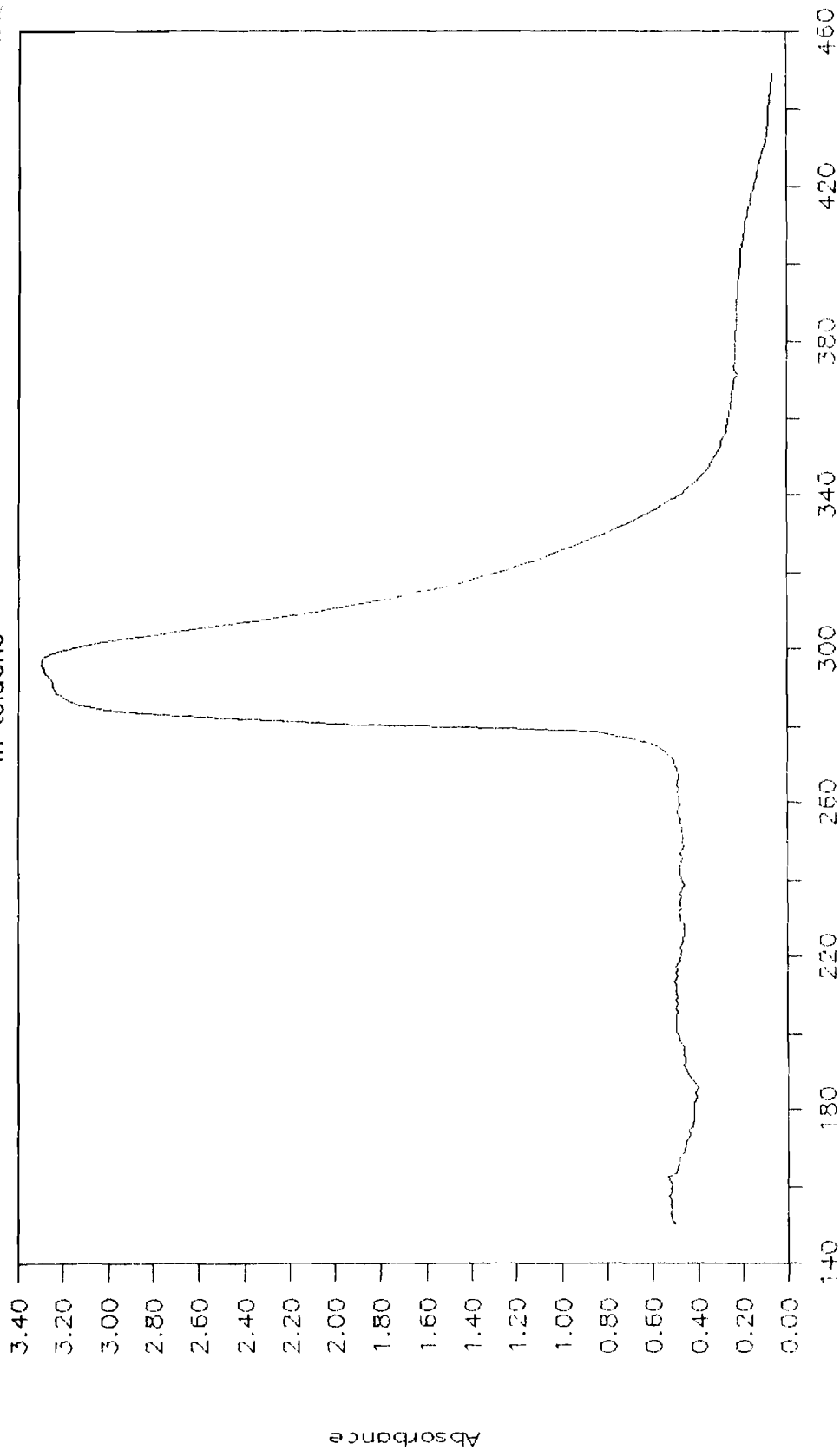


Figure 14.

UV Spectrum of Co+3B in Toluene

COF-3B

in toluene

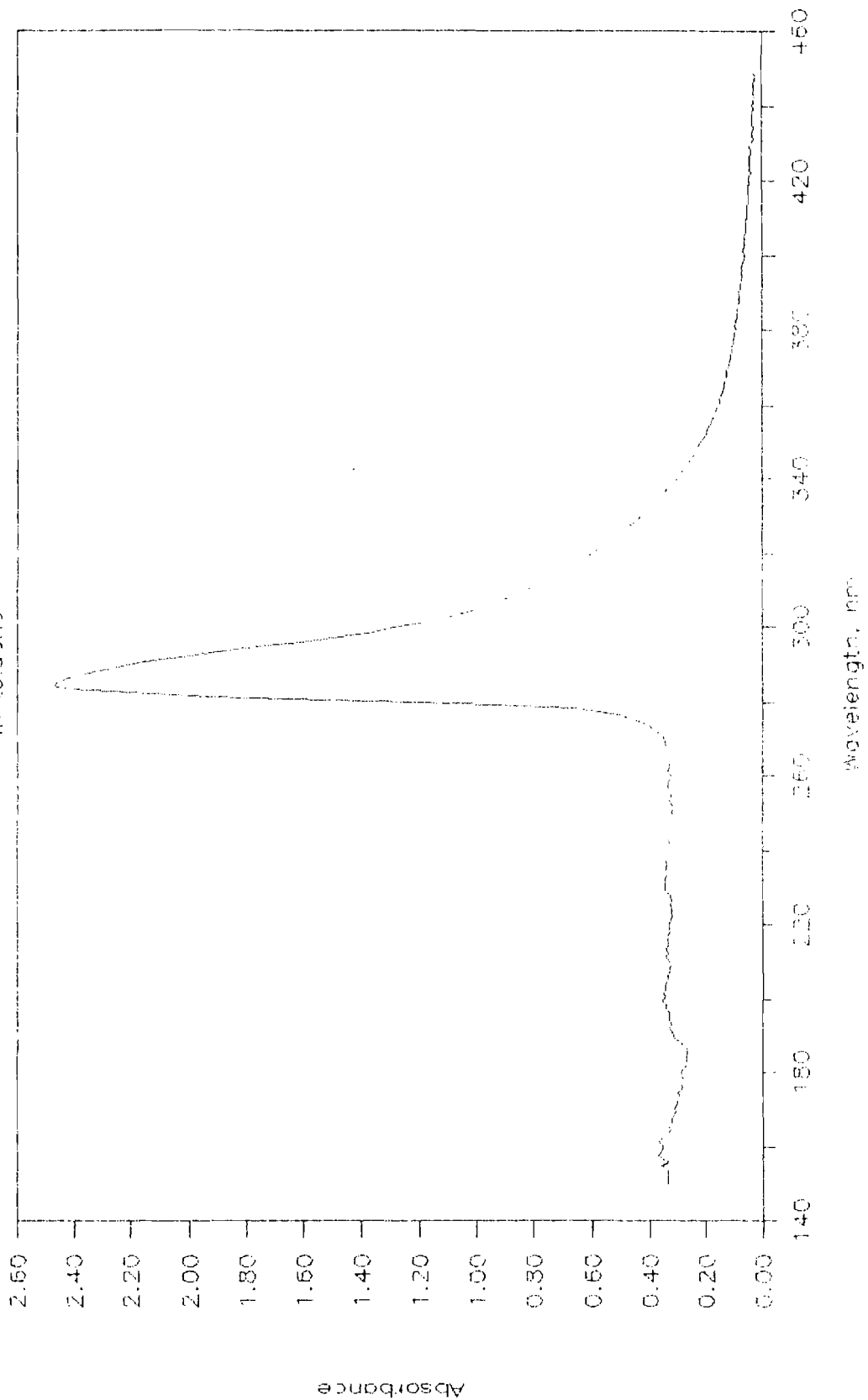


Figure 15.  
UV Spectrum of  $\text{Co}+3\text{Ga}$  in Toluene

CO-1300

in toluene

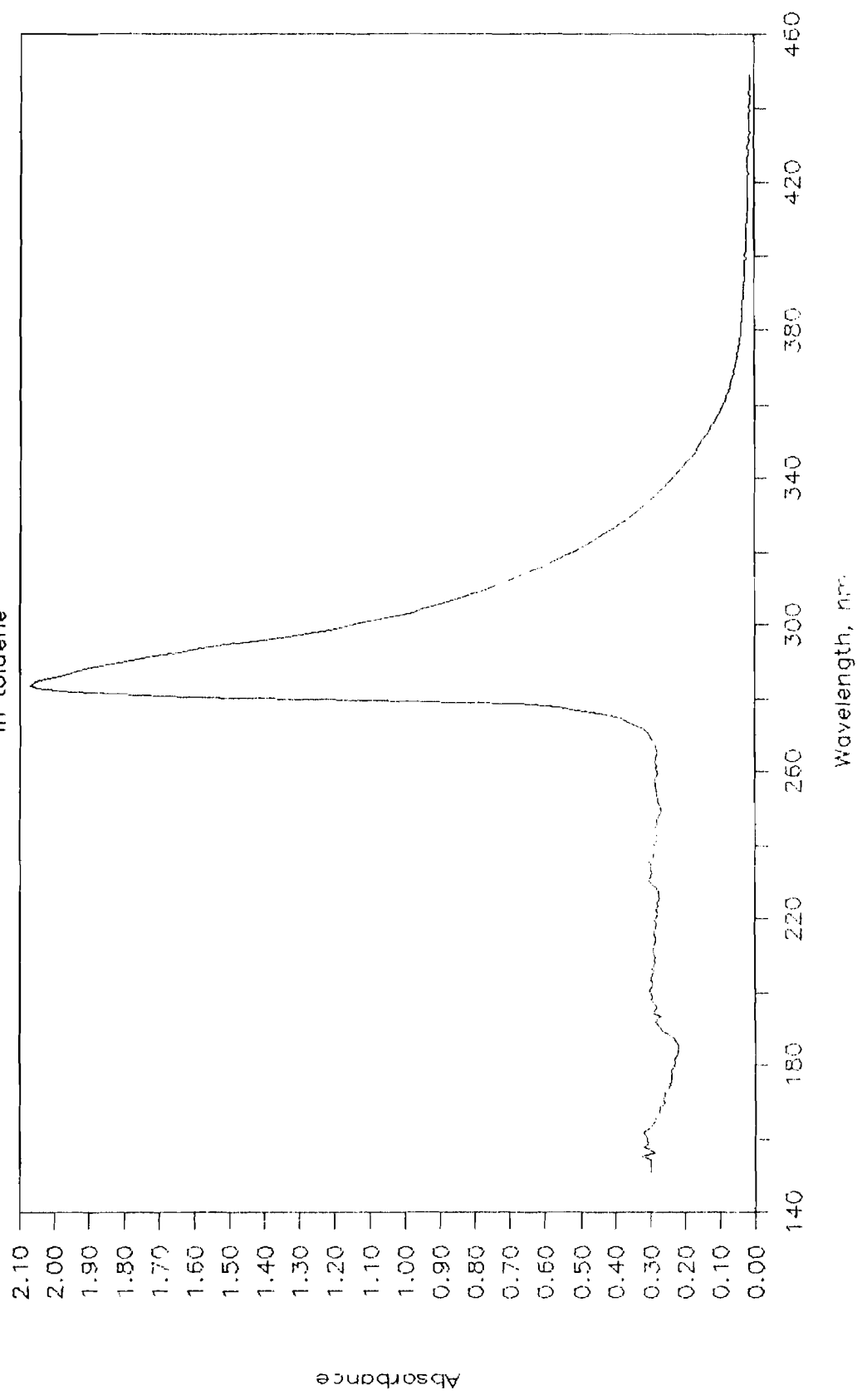


Figure 16.

UV Spectrum of  $\text{Co}+3\text{Zn}$  in Toluene

COTAZIN  
in toluene

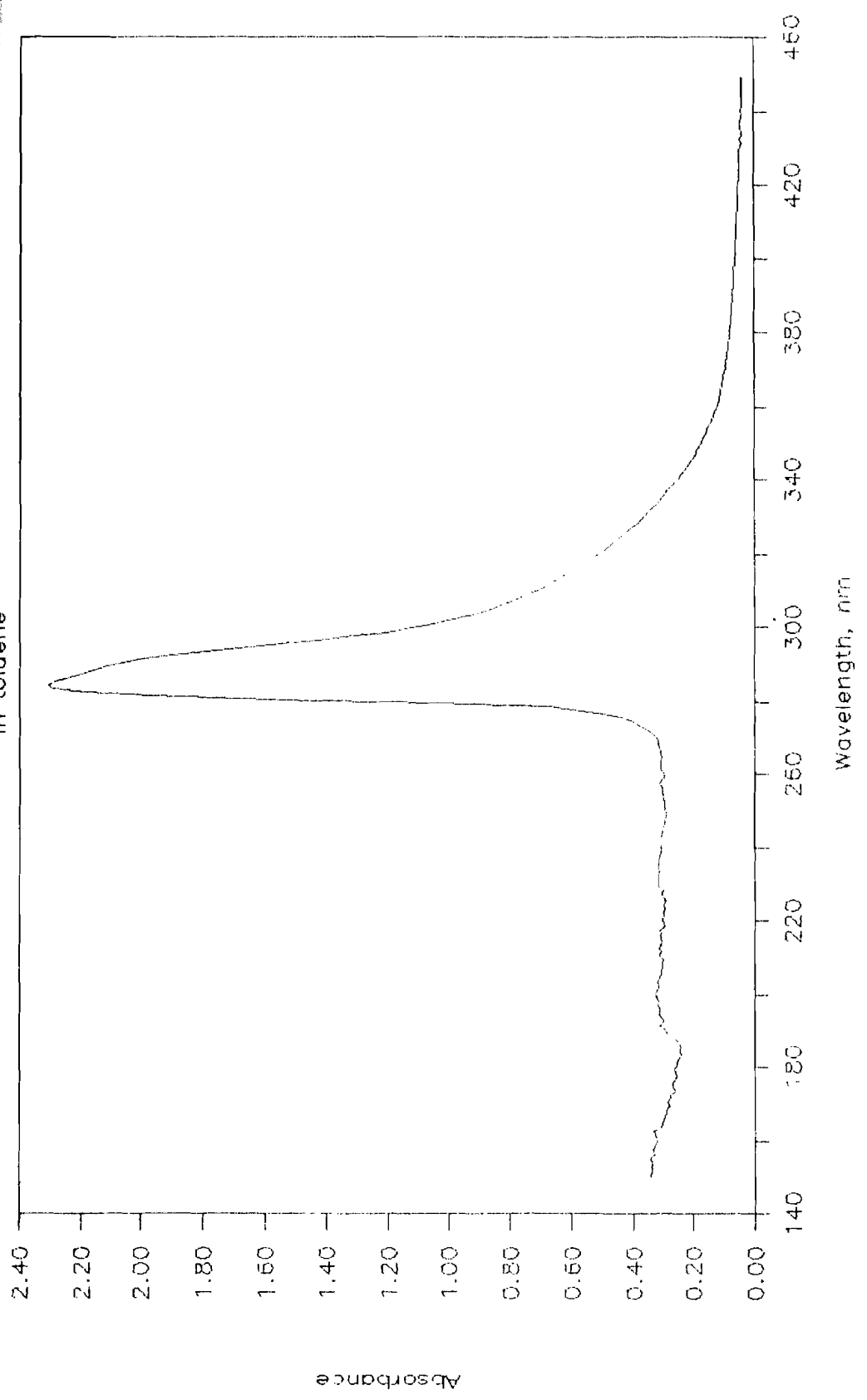


Figure 17.

UV Spectrum of  $\text{Co}+2\text{Si}$   
in Methylene Chloride



CO-1231

in Methylene chloride

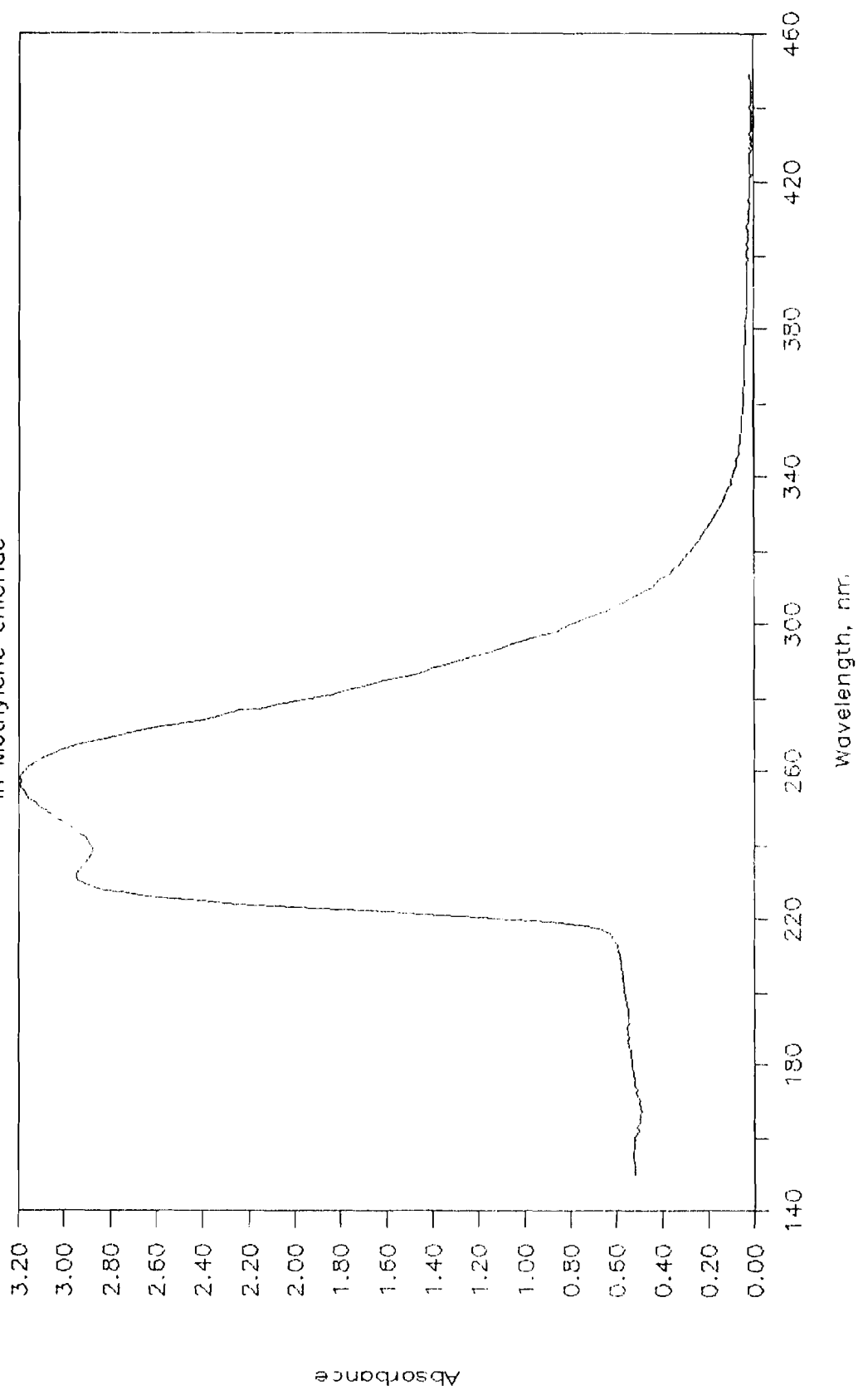


Figure 18.

UV Spectrum of  $\text{Co}+2\text{Ge}$   
in Methylene Chloride

# CO-206

in Methylene chloride

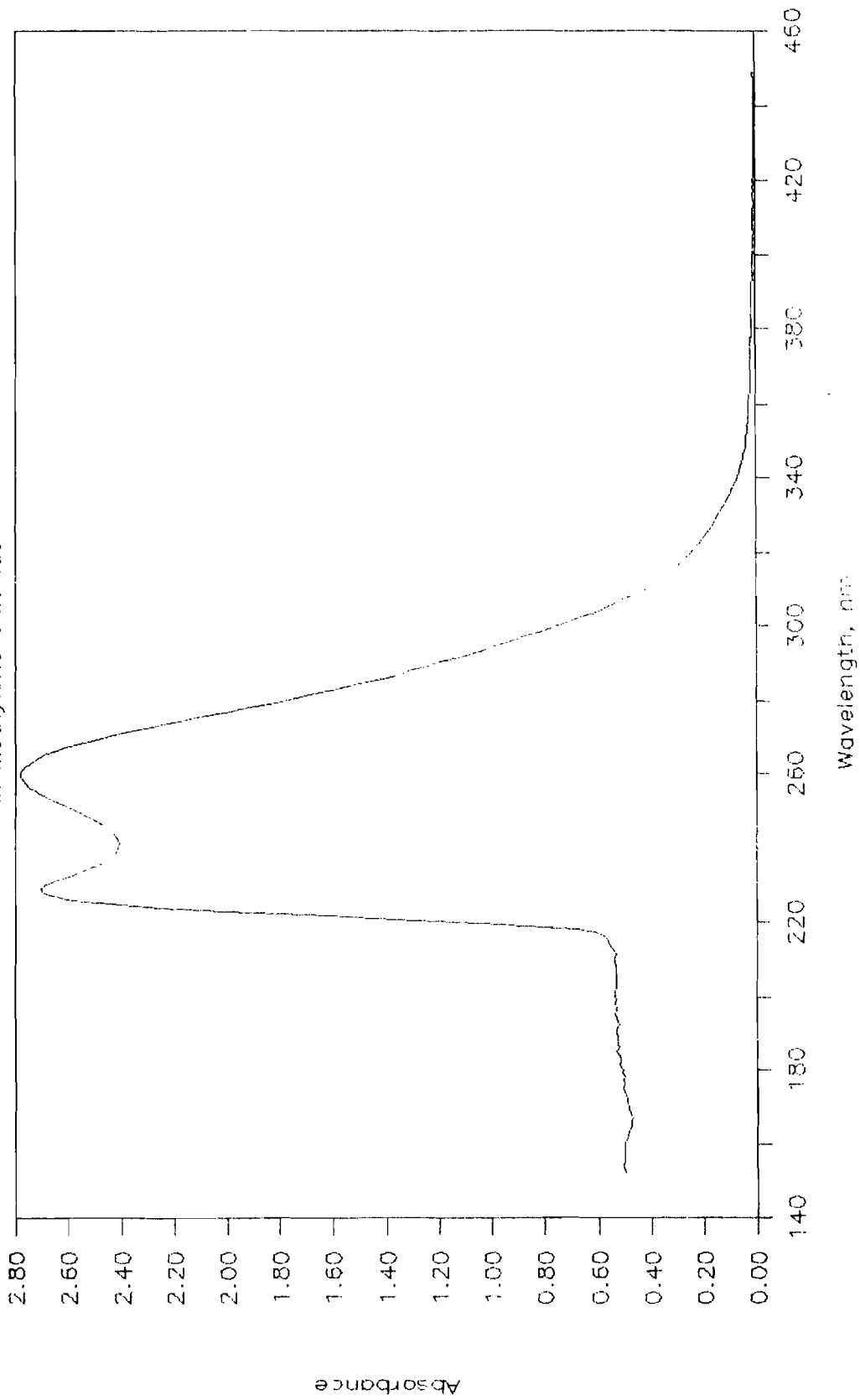


Figure 19.

UV Spectrum of Co+3B  
in Methylene Chloride

COTOB

in Methylene chloride

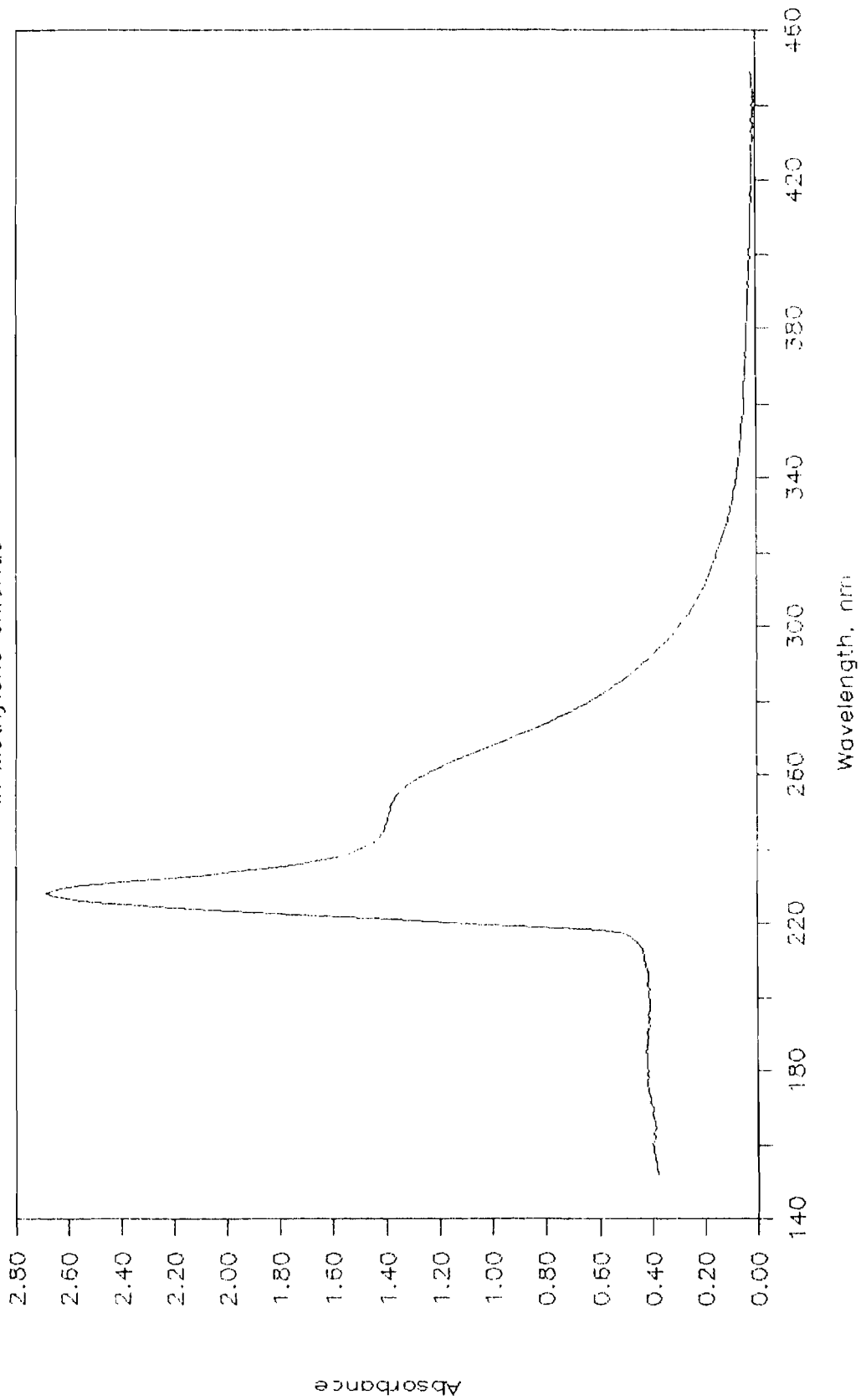


Figure 20.

UV Spectrum of  $\text{Co}+3\text{Ga}$   
in Methylene Chloride

**Co + SO<sub>2</sub>**  
in methylene chloride

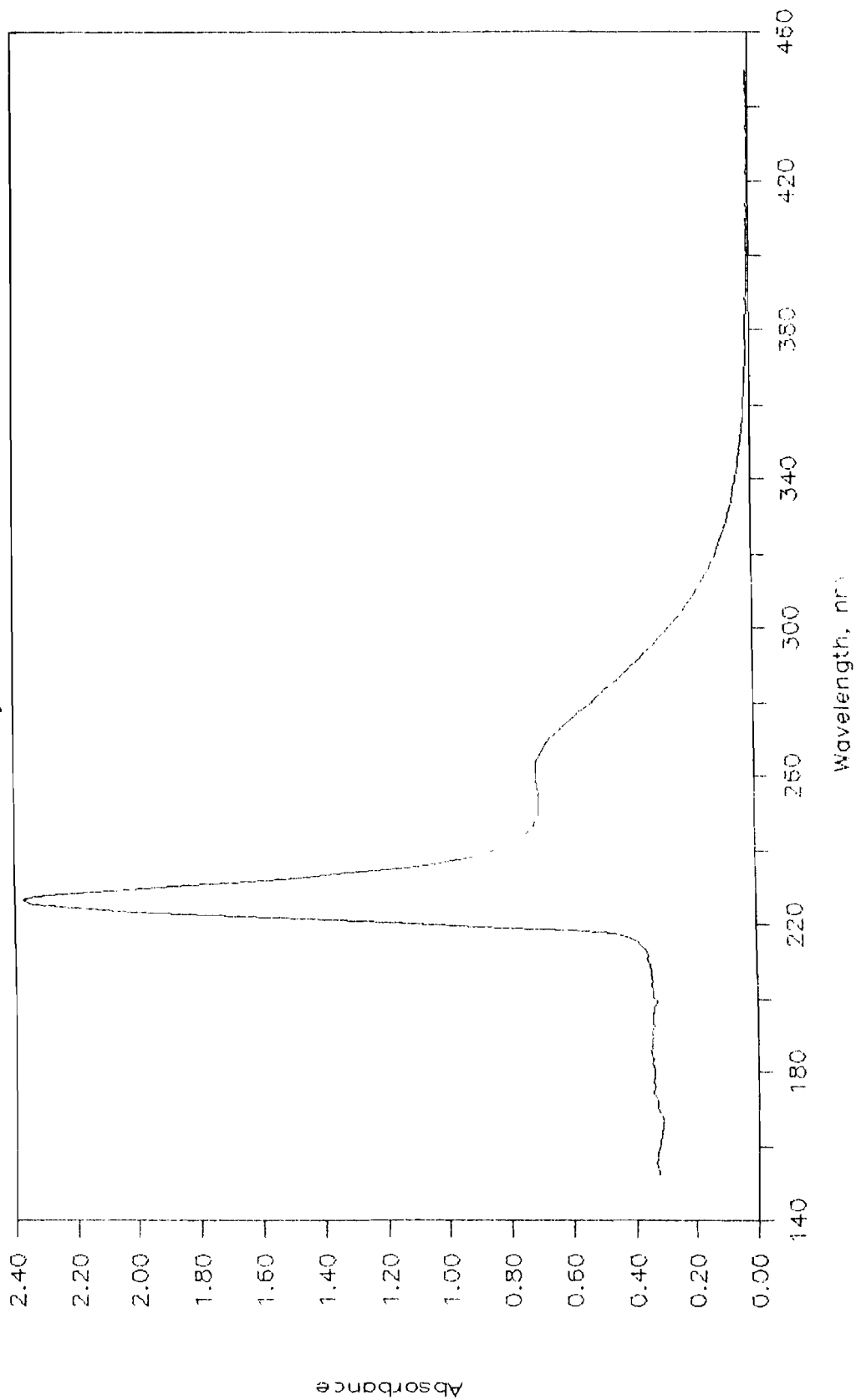


Figure 21.

UV Spectrum of  $\text{Co}+3\text{Zn}$   
in Methylene Chloride



# COTAZIN

in Methylene chloride

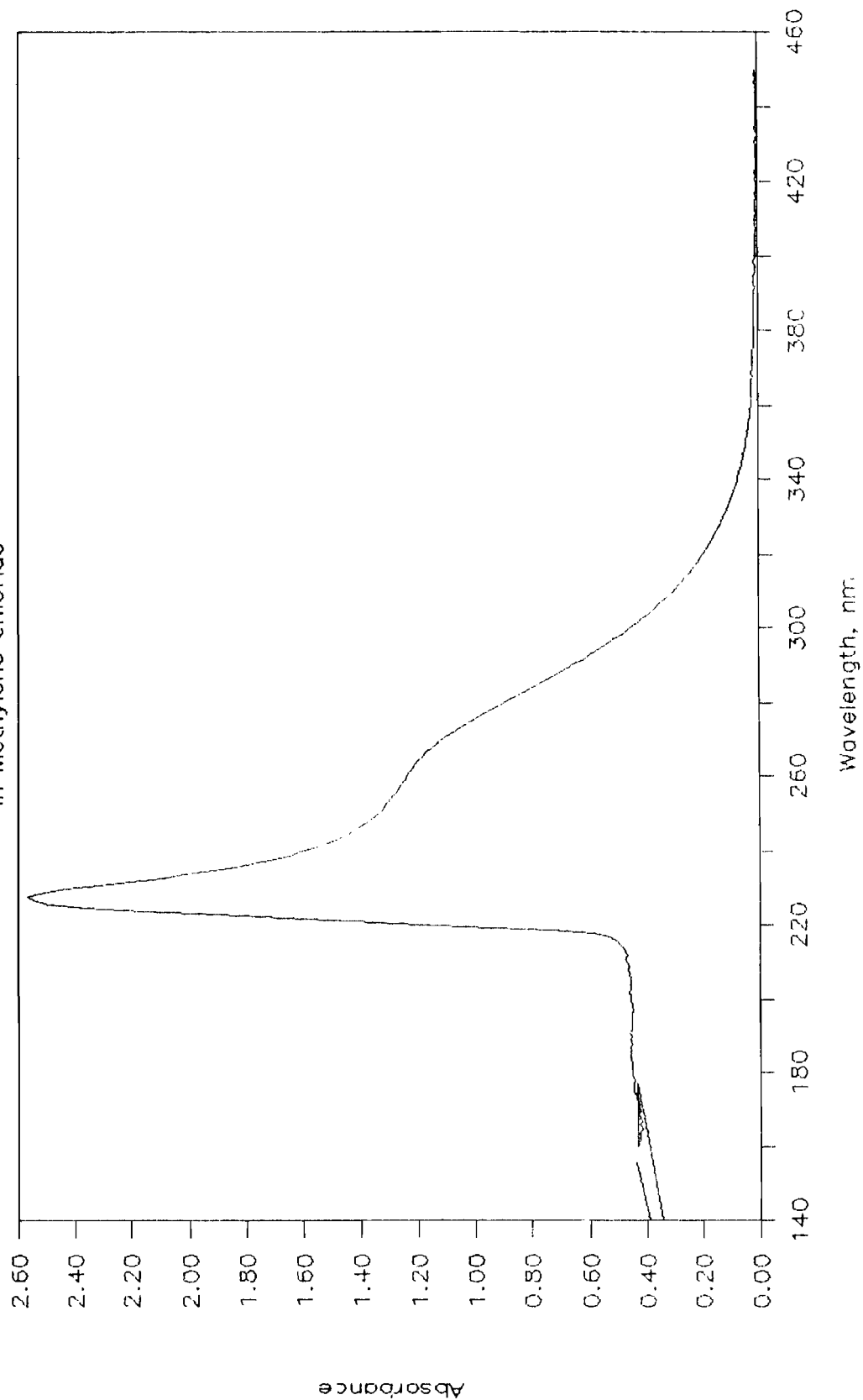


Figure 22.

UV Spectrum of  $\text{Co}+2\text{Si}$  in Chloroform

CO<sub>2</sub>Zn  
in chloroform

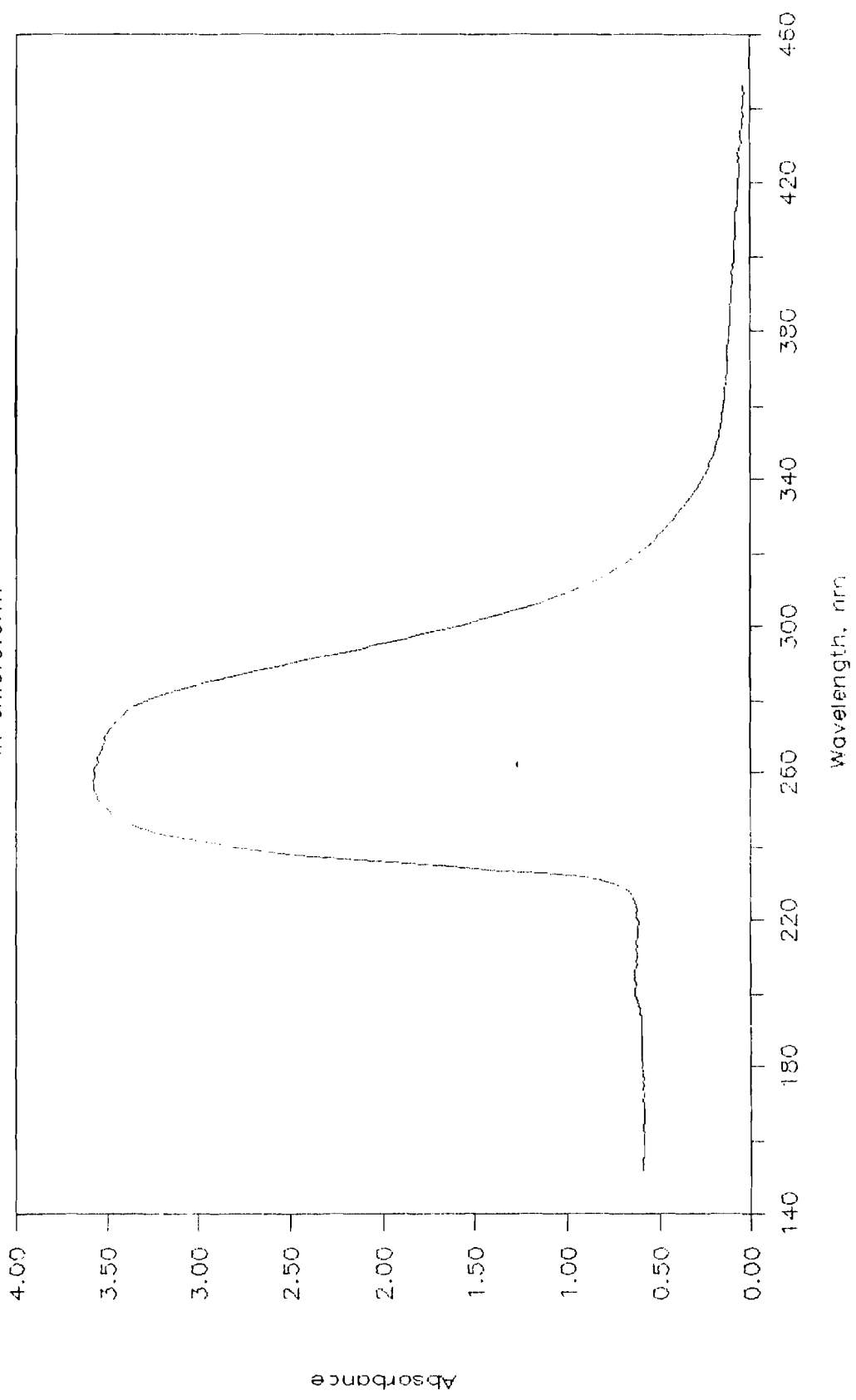


Figure 23.

UV Spectrum of  $\text{Co}^{2+}\text{Ge}$  in Chloroform

001200

in chloroform

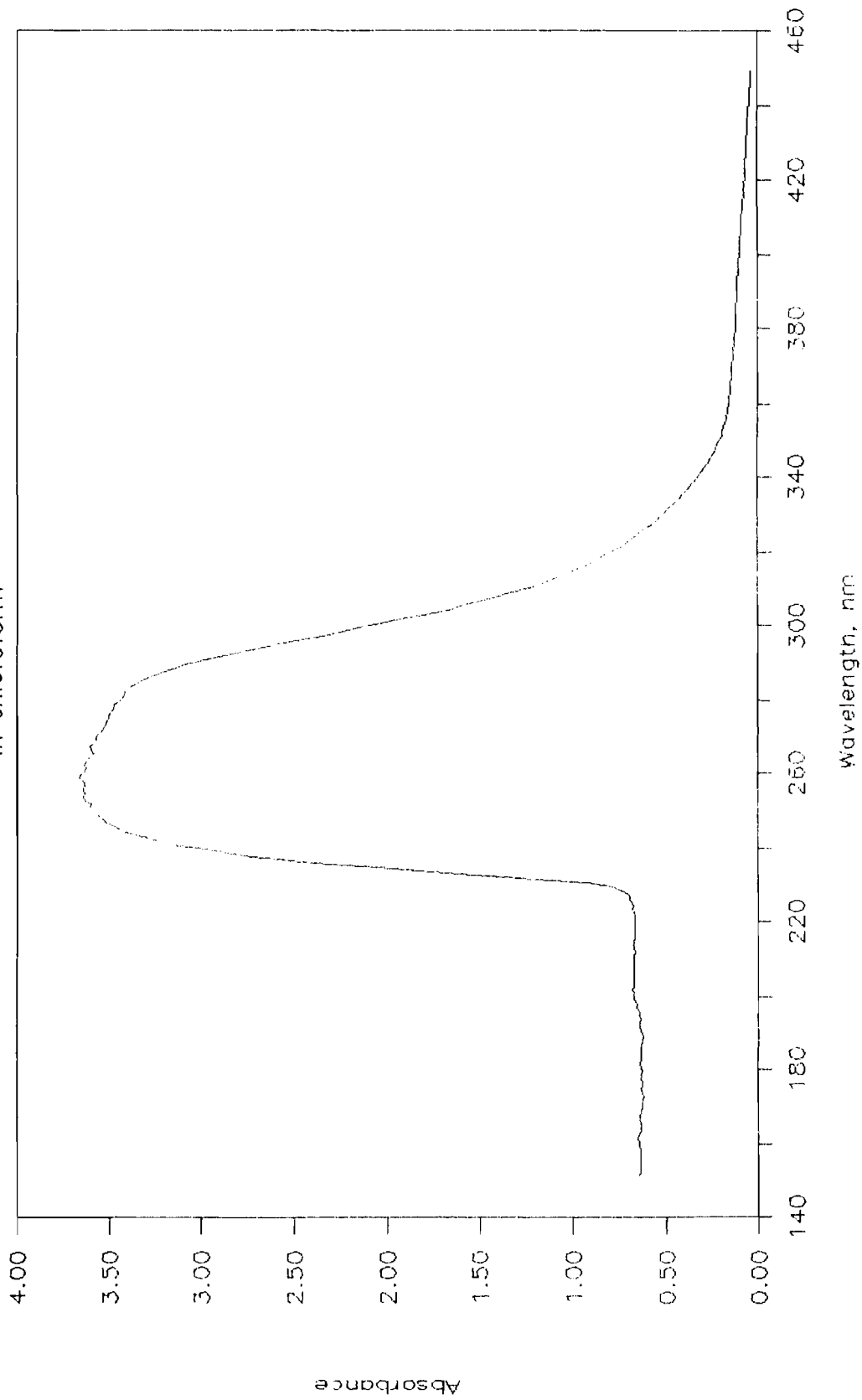
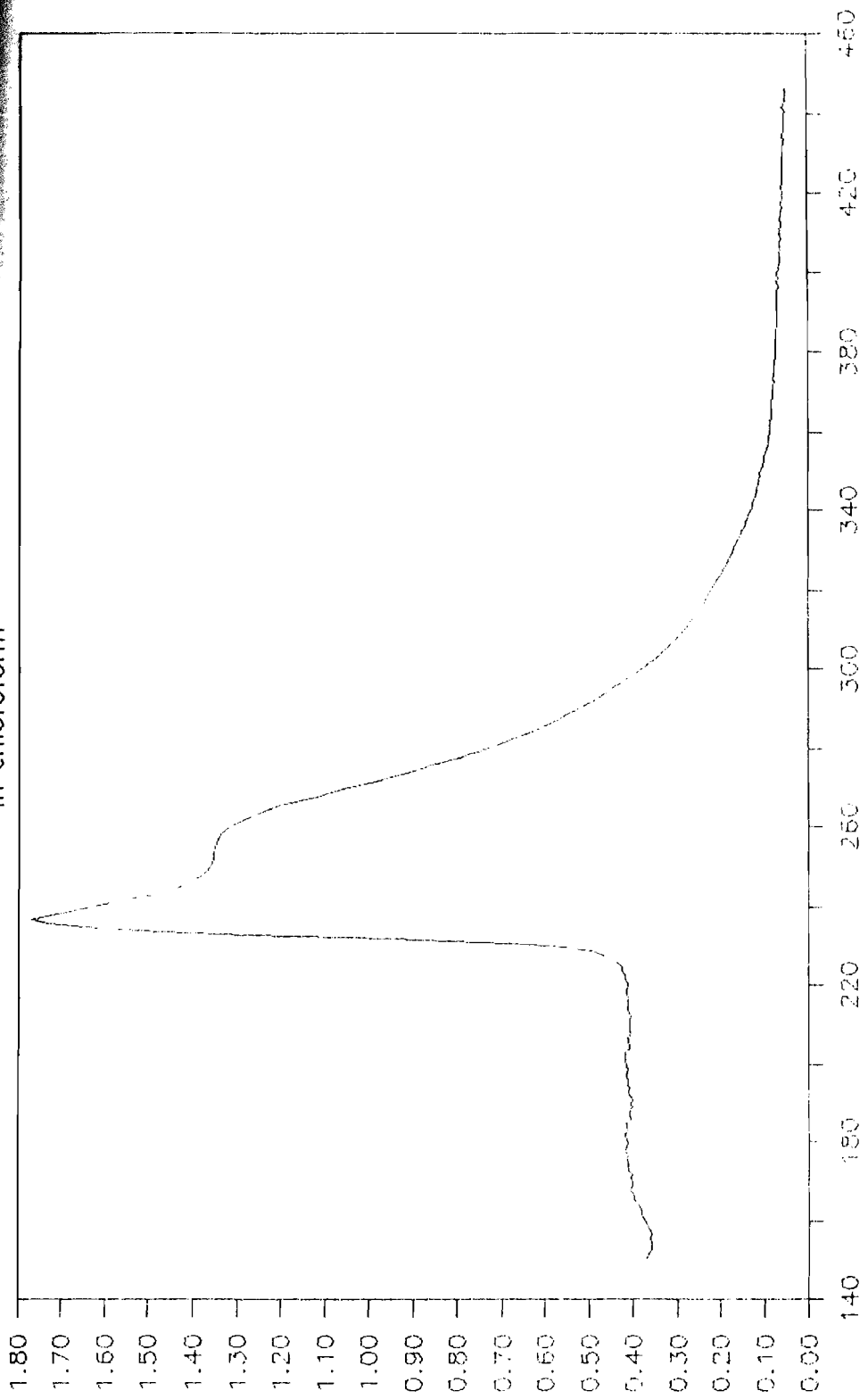


Figure 24.

UV Spectrum of Co+3B in Chloroform

in chloroform



Absorbance

Wavelength, nm

Figure 25.

UV Spectrum of  $\text{Co}^{3+}$  in Chloroform



in chloroform

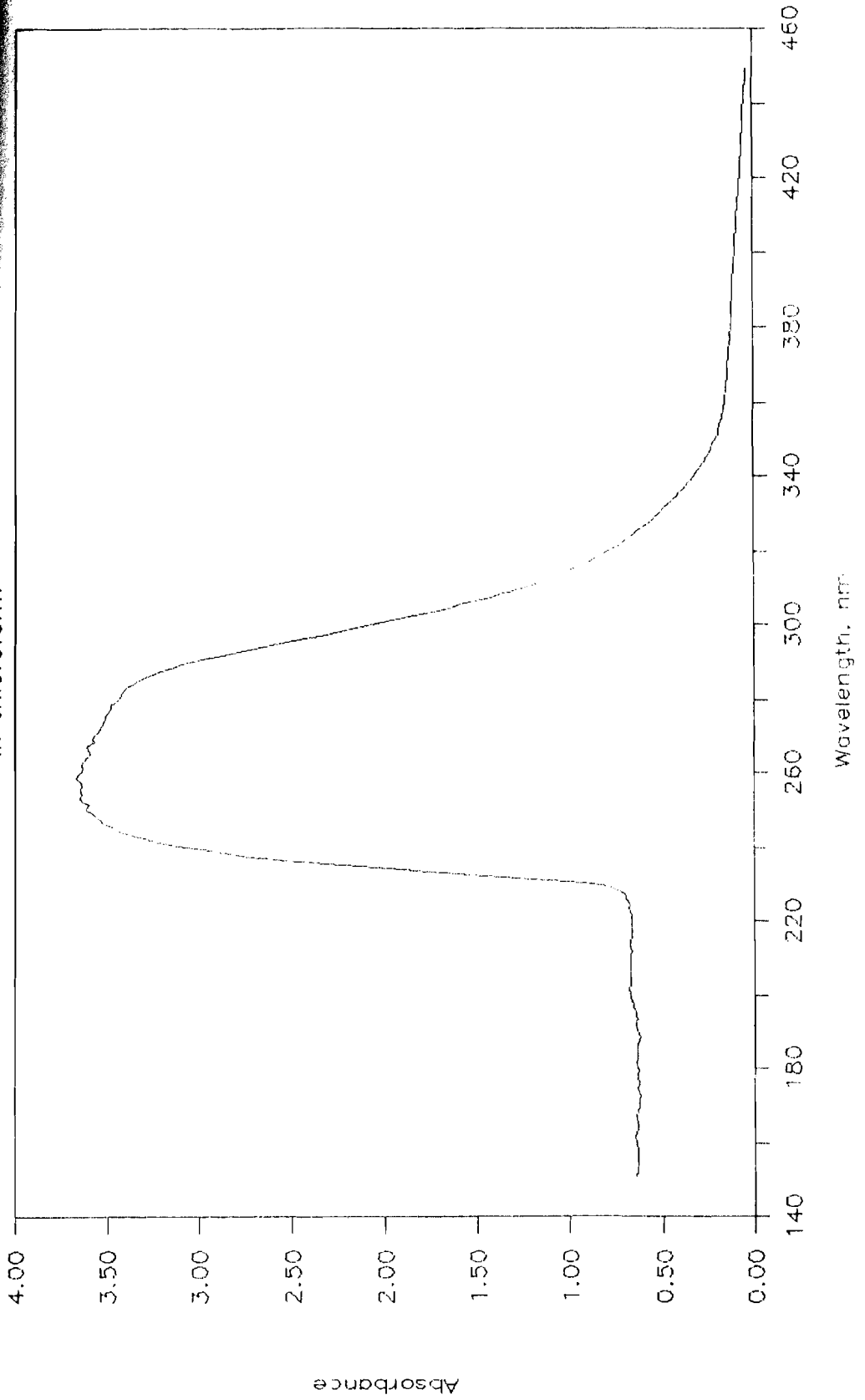


Figure 26.

UV Spectrum of  $\text{Co}+3\text{Zn}$  in Chloroform

in chloroform

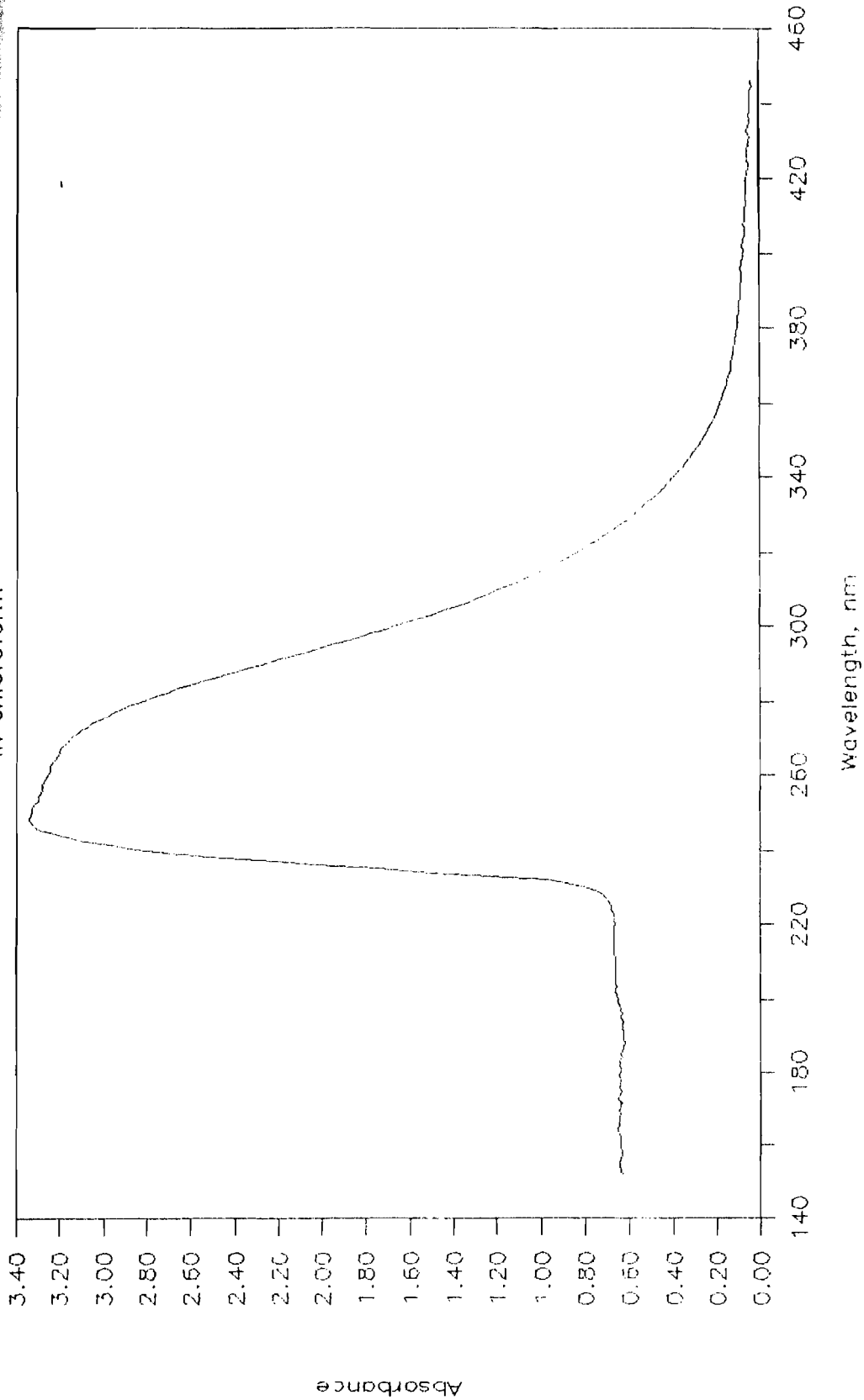


Figure 27.

UV Spectrum of  $\text{Co}+2\text{Si}$   
in Isopropyl Alcohol

in isopropyl alcohol

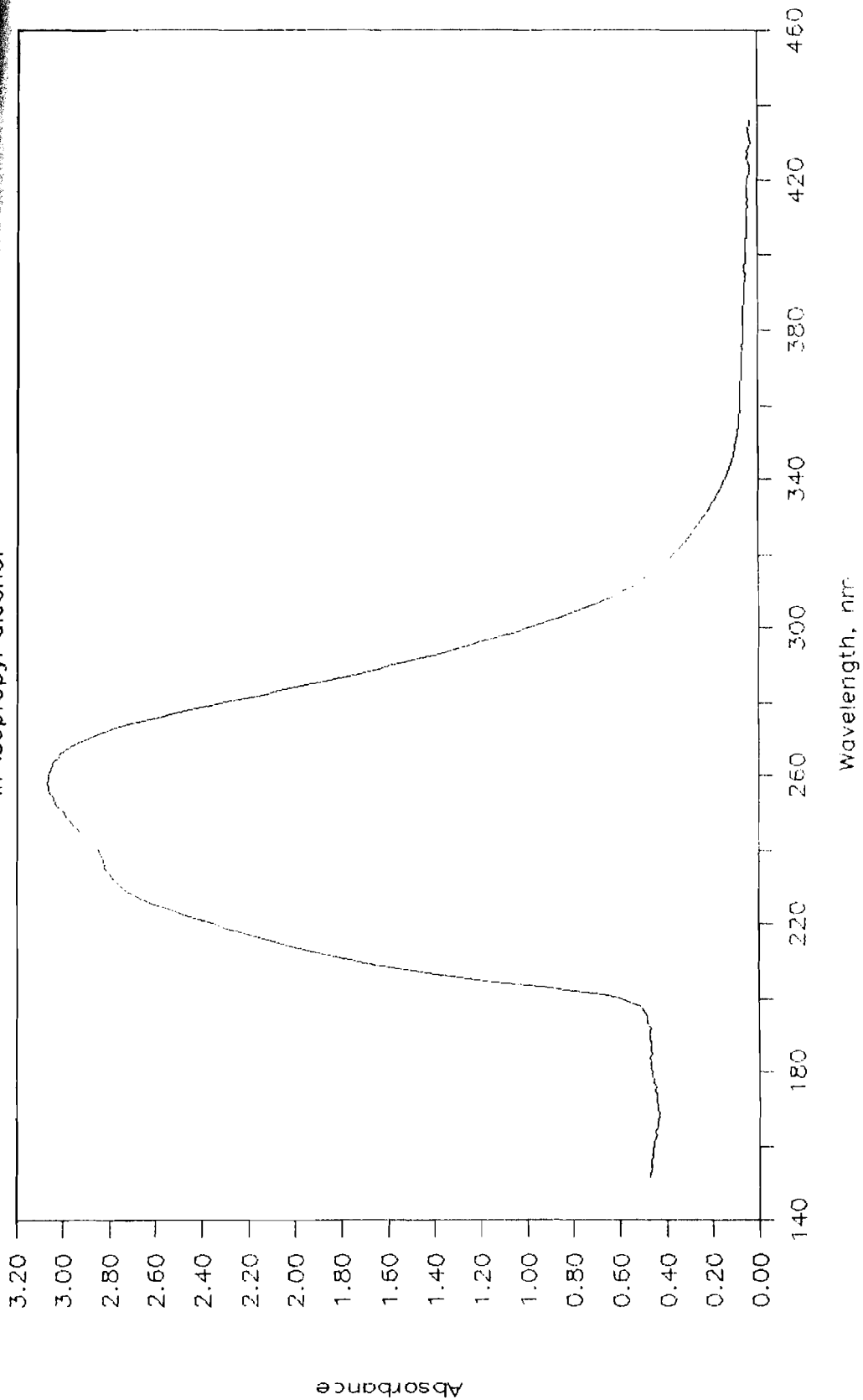


Figure 28.

UV Spectrum of  $\text{Co}+2\text{Ge}$   
in Isopropyl Alcohol

# Co+2Ge

in isopropyl alcohol

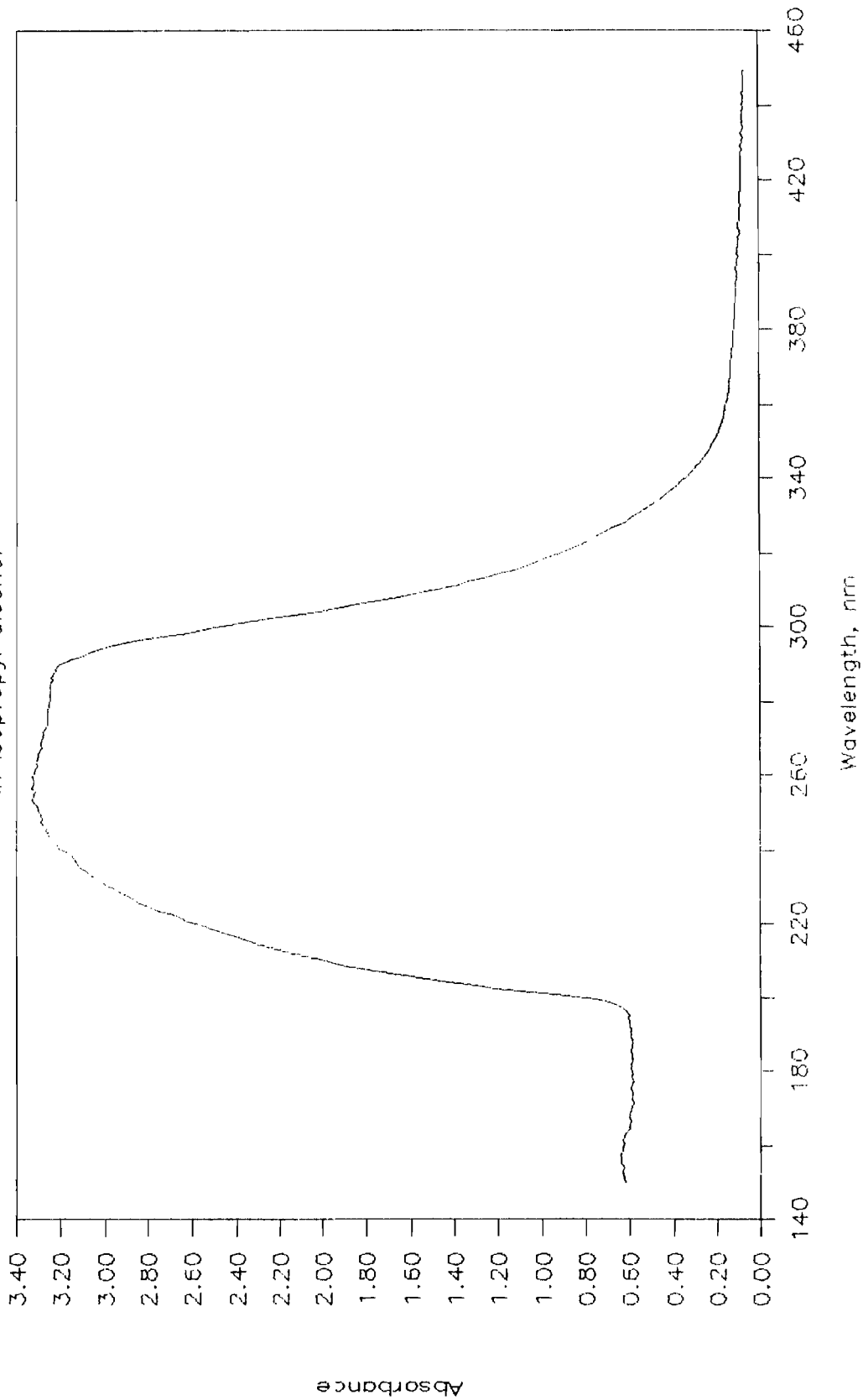


Figure 29.

UV Spectrum of Co+3B  
in Isopropyl Alcohol



in isopropyl alcohol

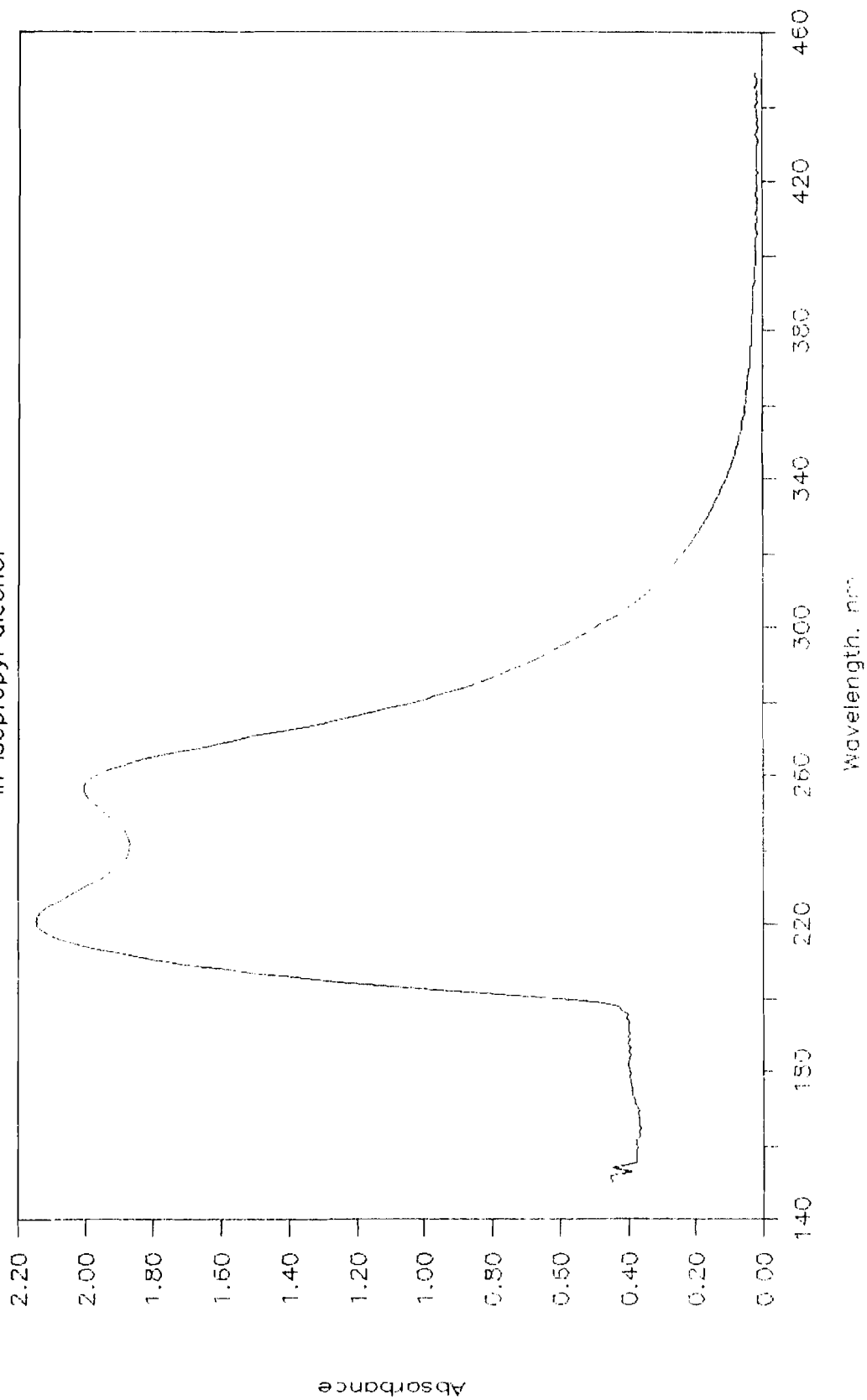


Figure 30.

UV Spectrum of  $\text{Co}^{3+}$  in  
Isopropyl Alcohol

CO-1500

in isopropyl alcohol

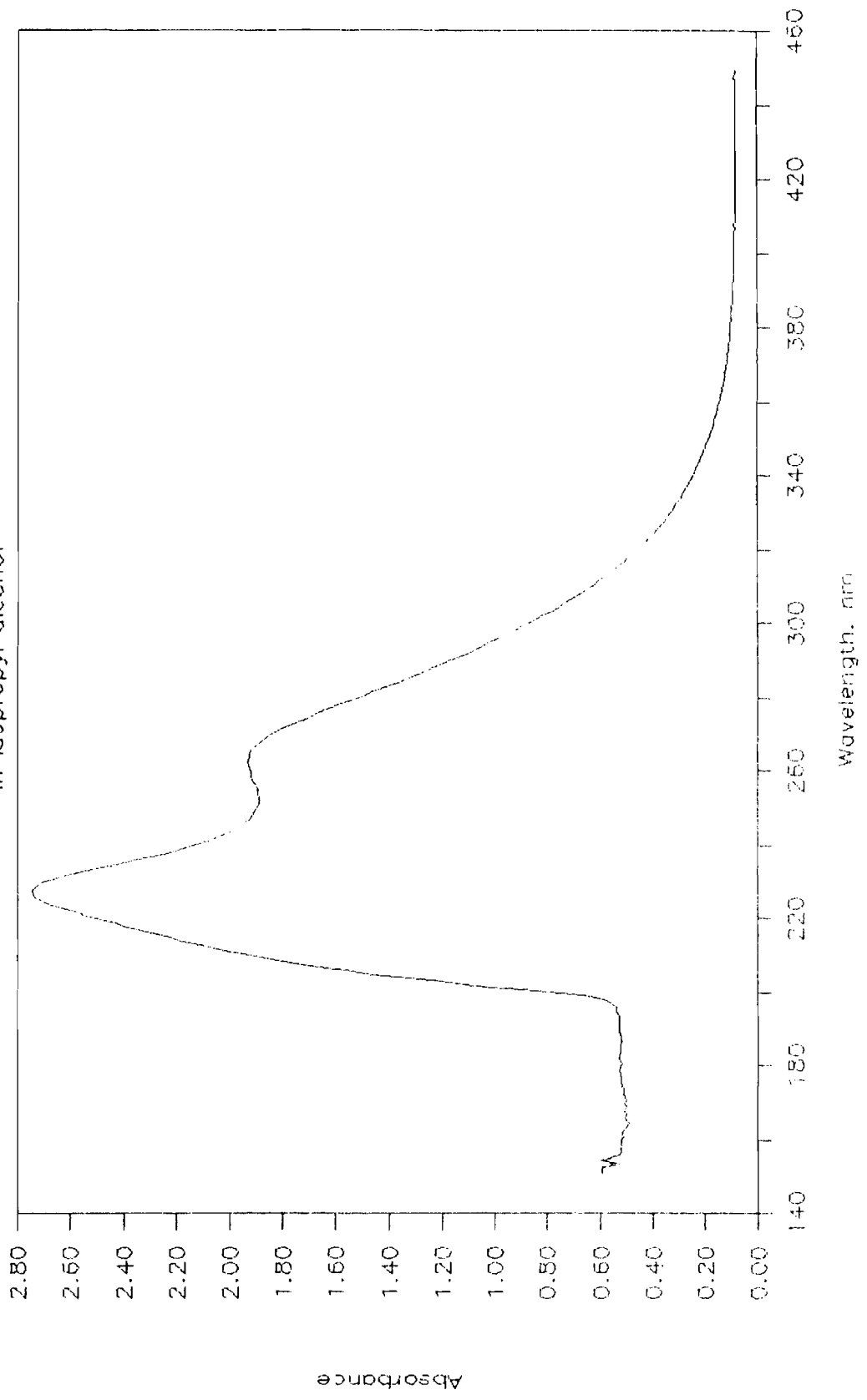


Figure 31.

UV Spectrum of Co+3Zn  
in Isopropyl Alcohol

# COTIZEN

in isopropyl alcohol

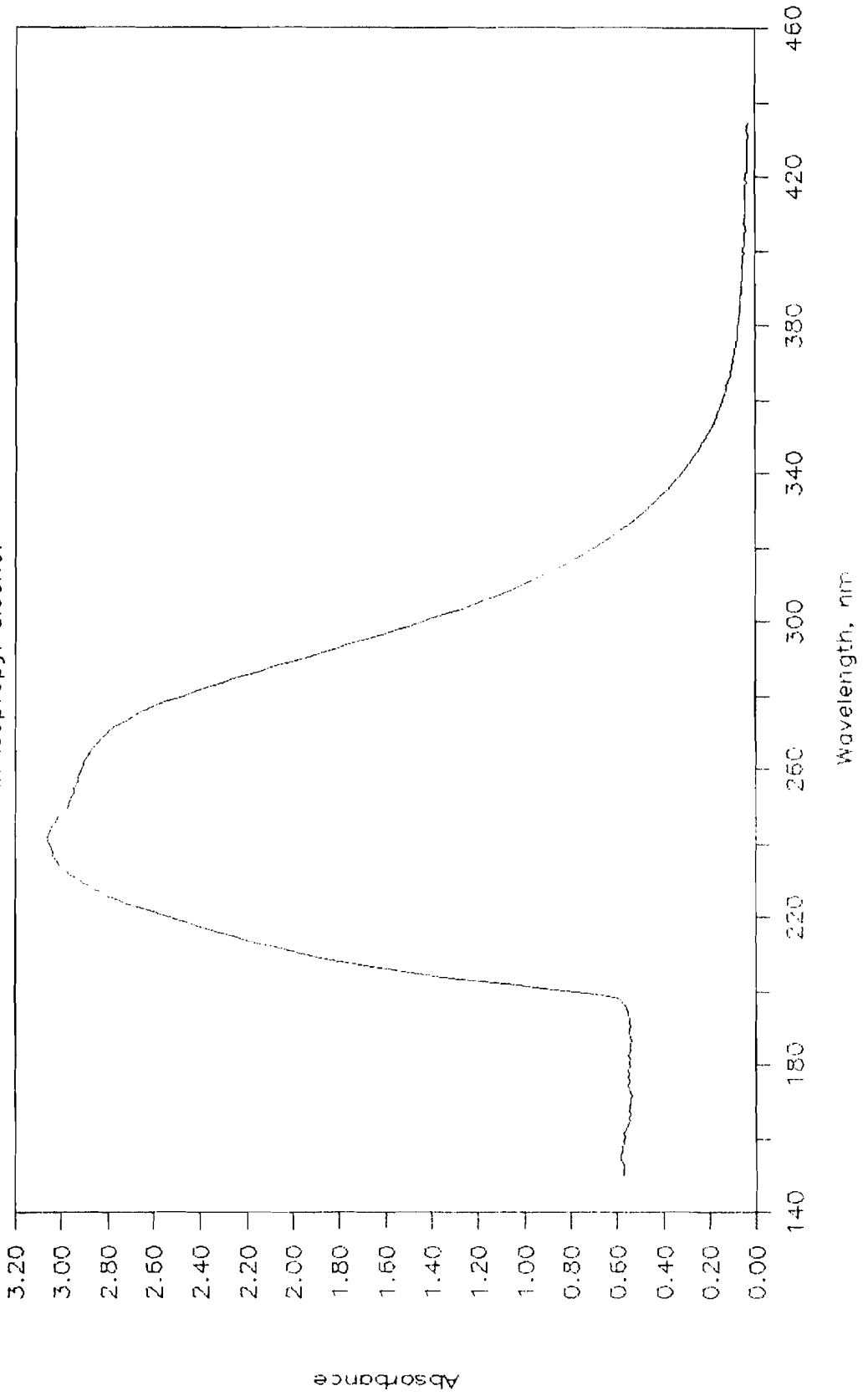


Figure 32.

UV Spectrum of  $\text{Co}+2\text{Si}$  in Tetrahydrofuran

COPIES  
in tetrahydrofuran

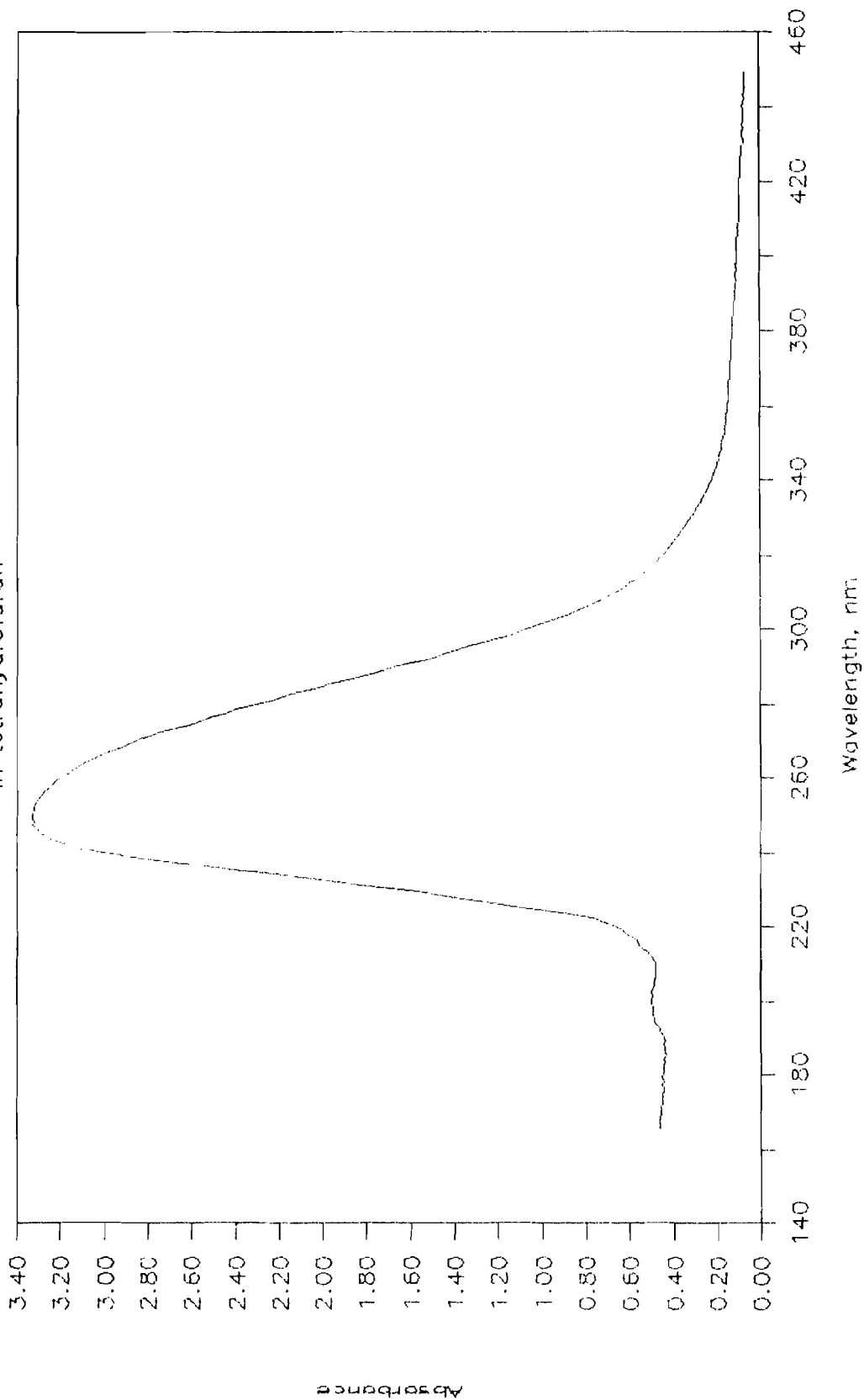


Figure 33.

UV Spectrum of  $\text{Co}+2\text{Ge}$  in Tetrahydrofuran



in tetrahydrofuran

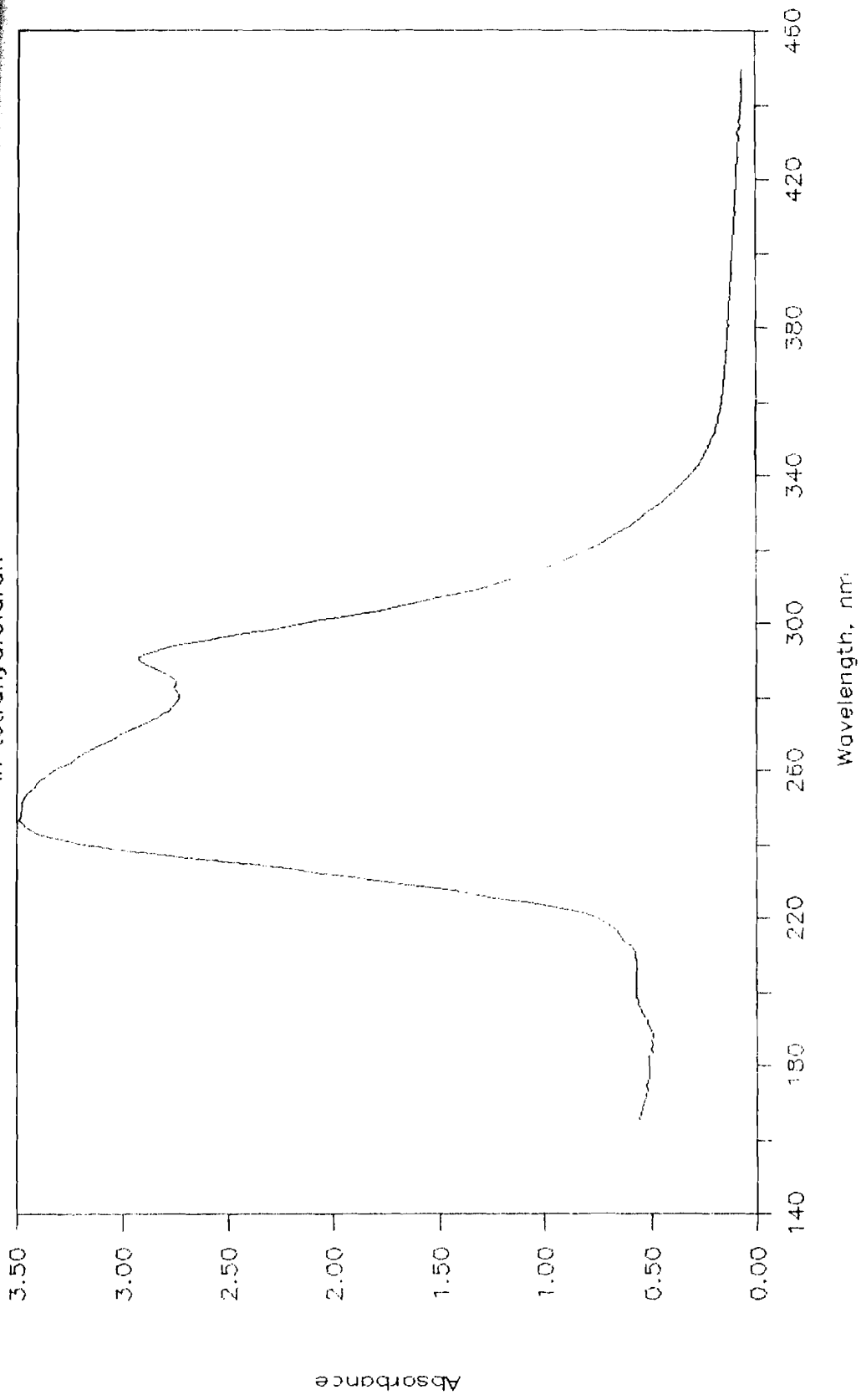


Figure 34.

UV Spectrum of Co+3B in Tetrahydrofuran

60138

in tetrahydrofuran

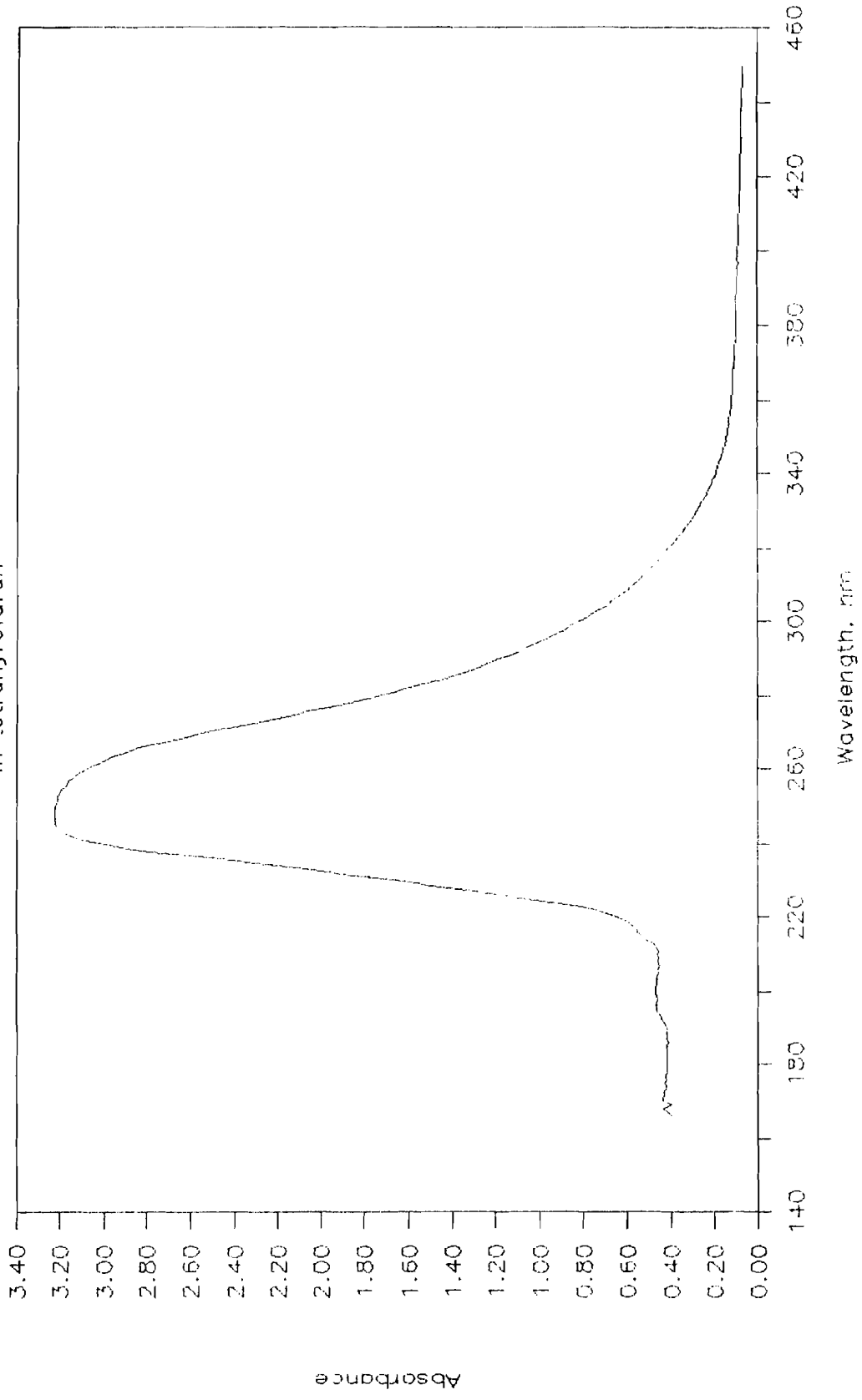


Figure 35.

UV Spectrum of  $\text{Co}^{3+}$  in Tetrahydrofuran

in tetrahydrofuran

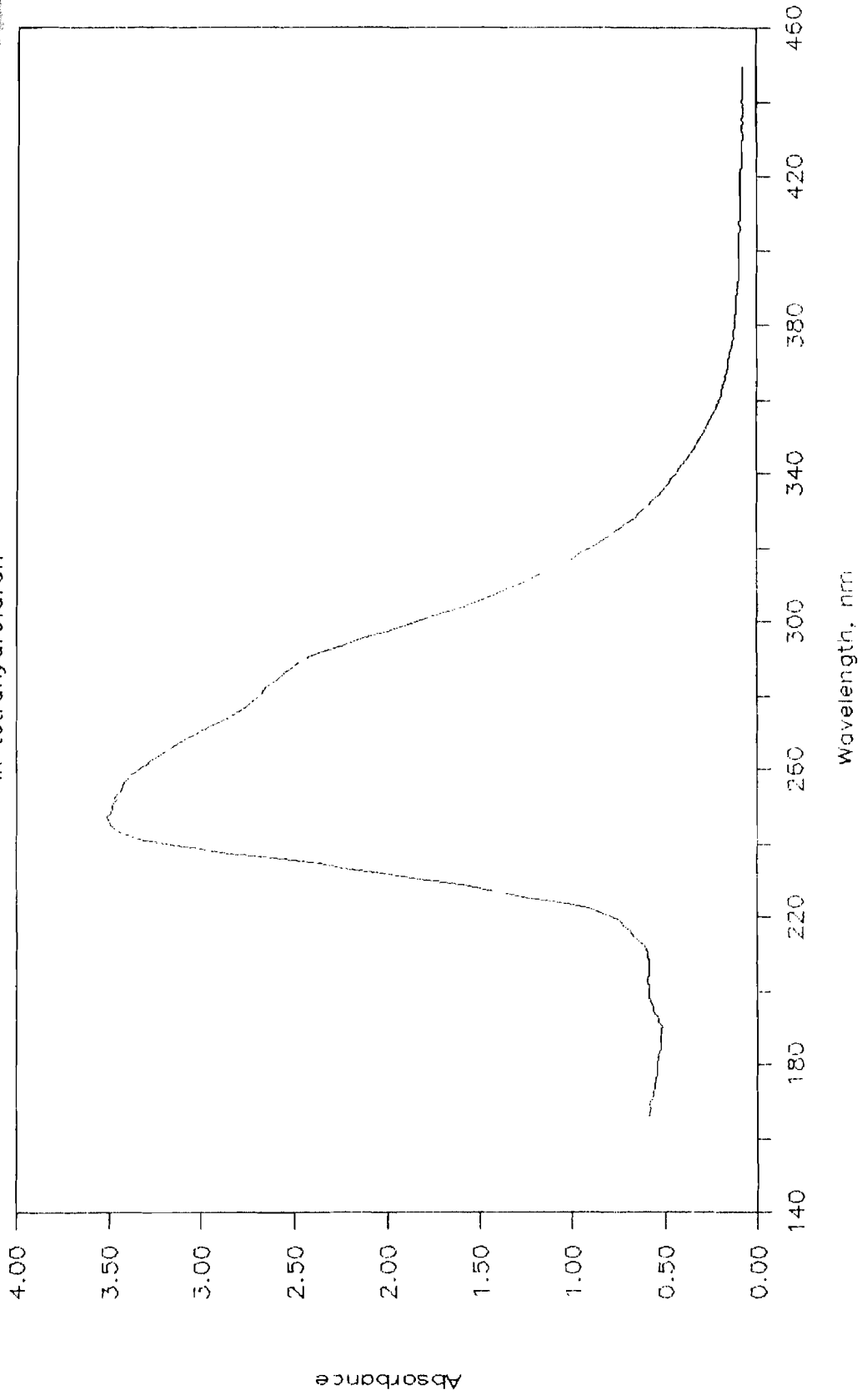


Figure 36.

UV Spectrum of Co+3Zn in Tetrahydrofuran

in tetrahydrofuran

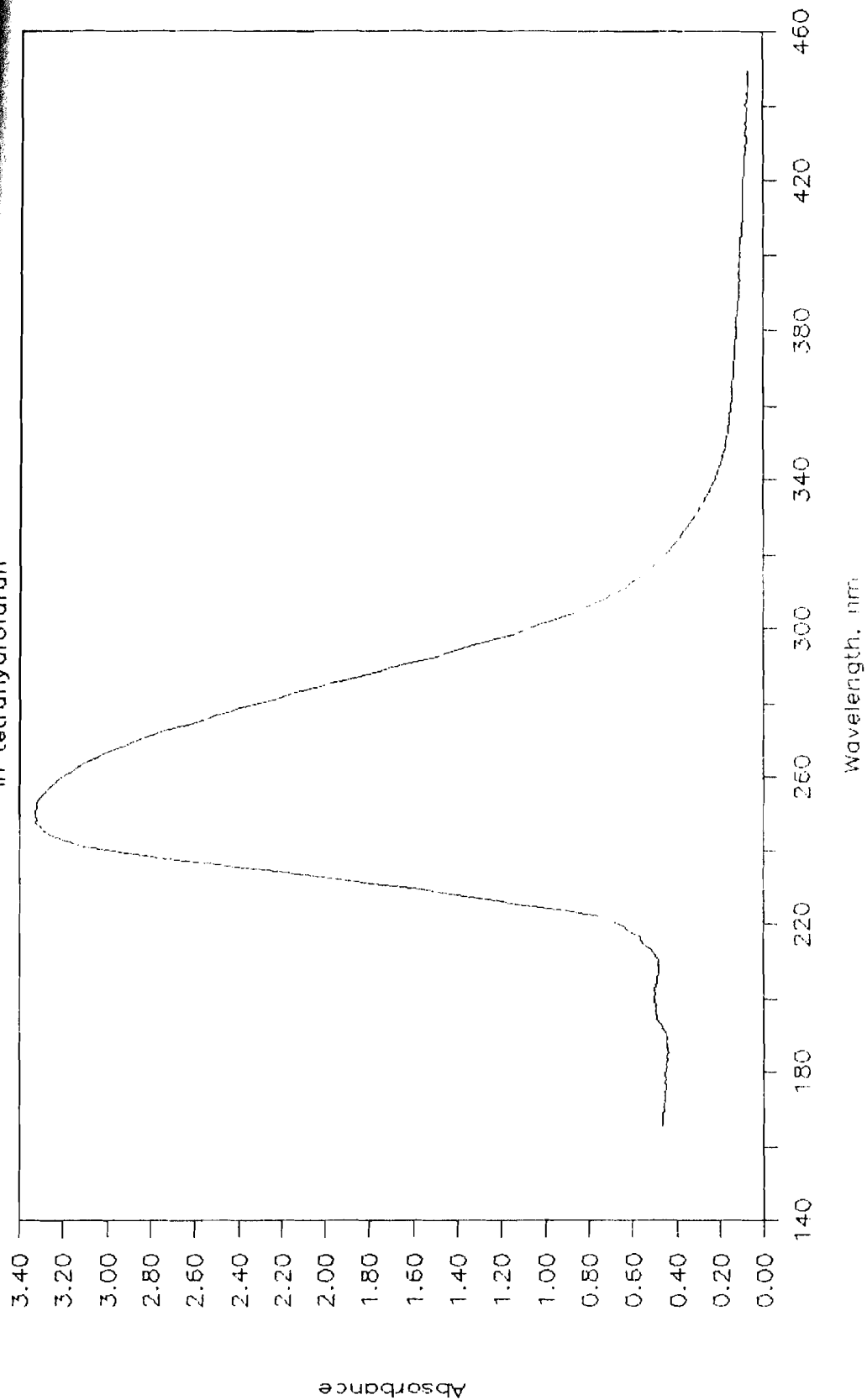


Figure 37.

UV Spectrum of  $\text{Co}+2\text{Si}$  in Acetonitrile



COTZSI  
in Acetonitrile

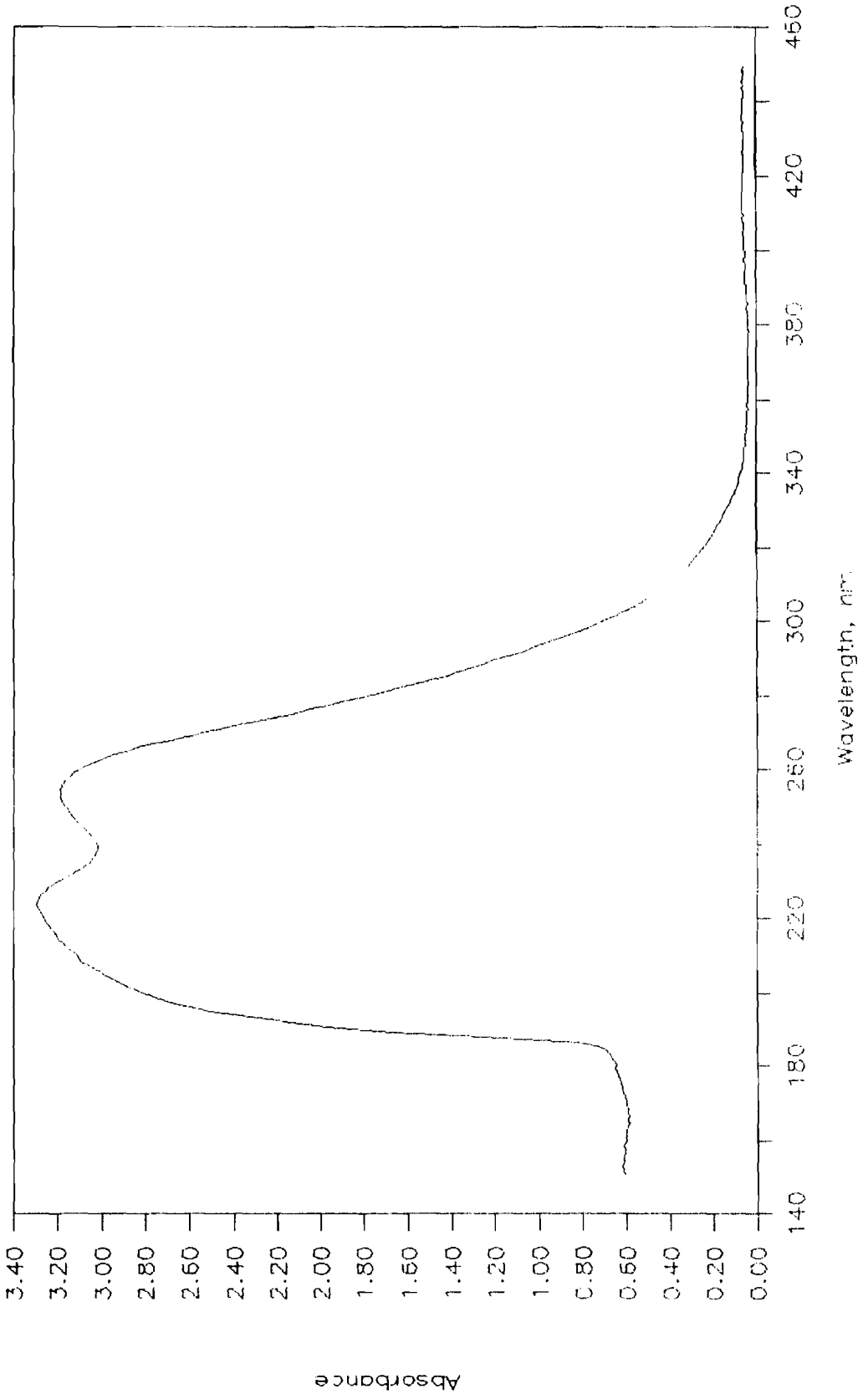


Figure 38.

UV Spectrum of  $\text{Co}^{2+}$  in Acetonitrile

Co + 2Ge  
in acetonitrile

Absorbance

3.20  
3.00  
2.80  
2.60  
2.40  
2.20  
2.00  
1.80  
1.60  
1.40  
1.20  
1.00  
0.80  
0.60  
0.40  
0.20

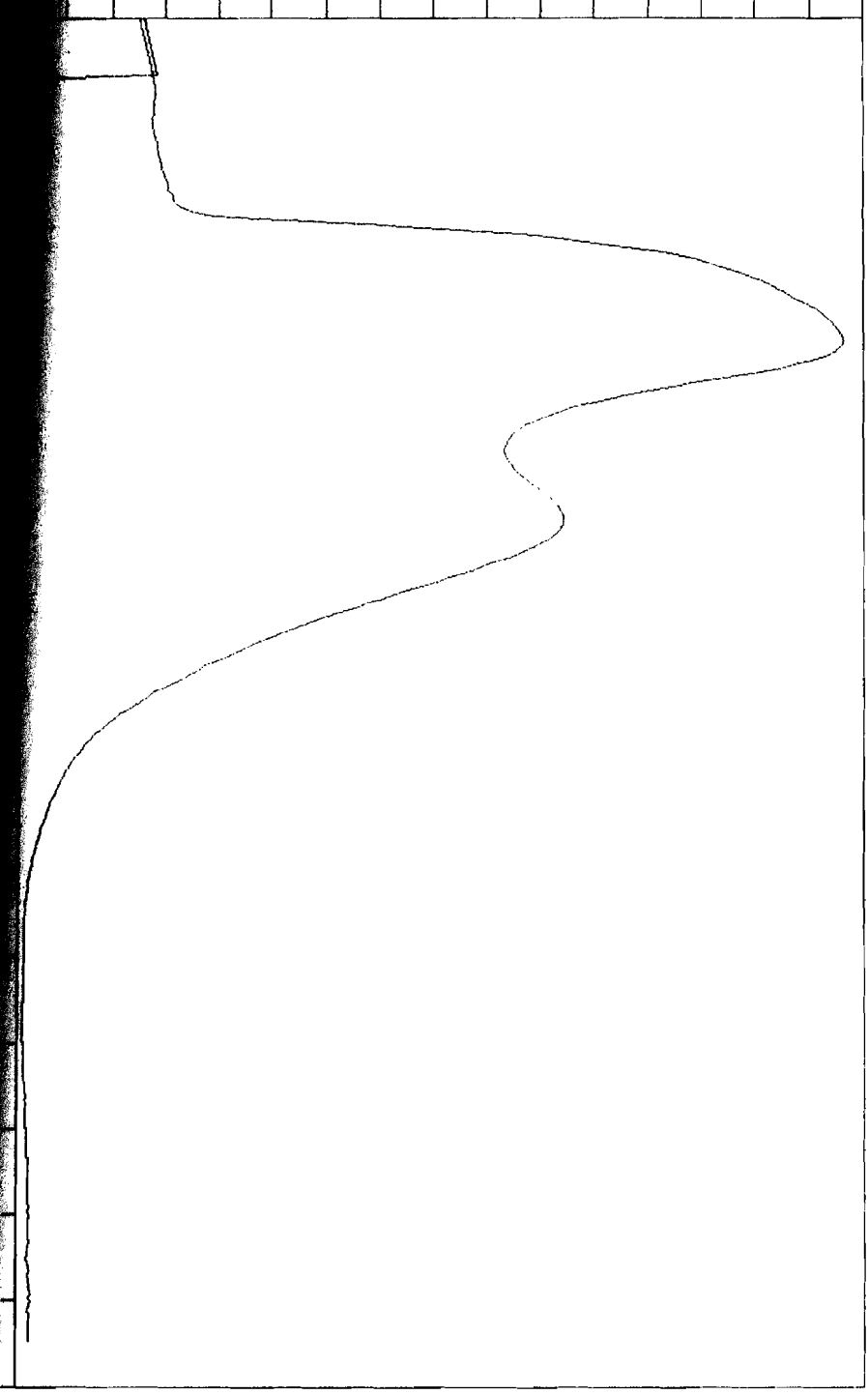


Figure 39.

UV Spectrum of Co+3B in Acetonitrile

COF3B  
in Acetonitrile

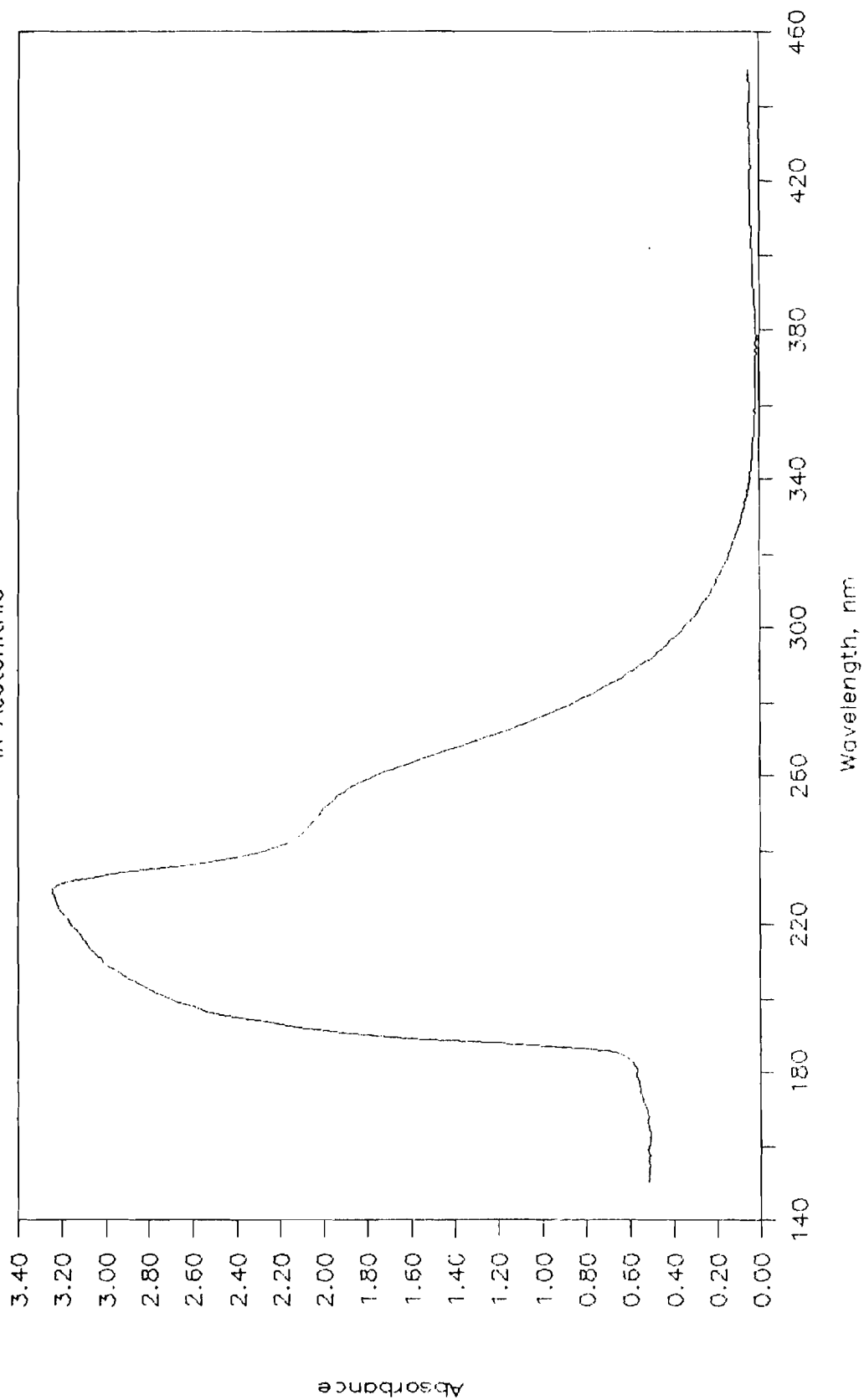


Figure 40.

UV Spectrum of  $\text{Co}^{3+}$  in Acetonitrile

001500  
in acetonitrile

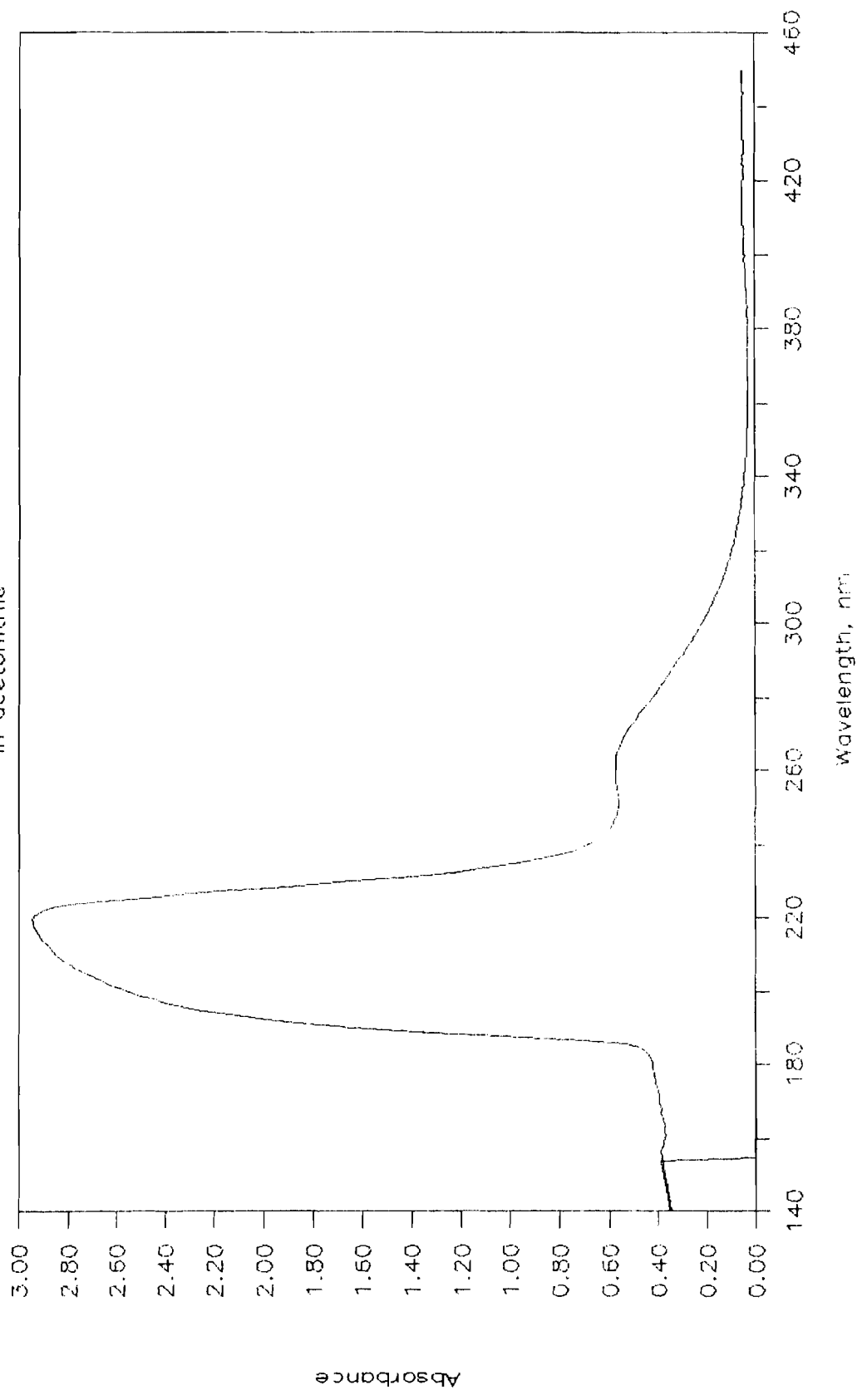


Figure 41.

UV Spectrum of Co+3Zn in Acetonitrile



CO<sub>2</sub>PS<sub>2</sub> in acetonitrile

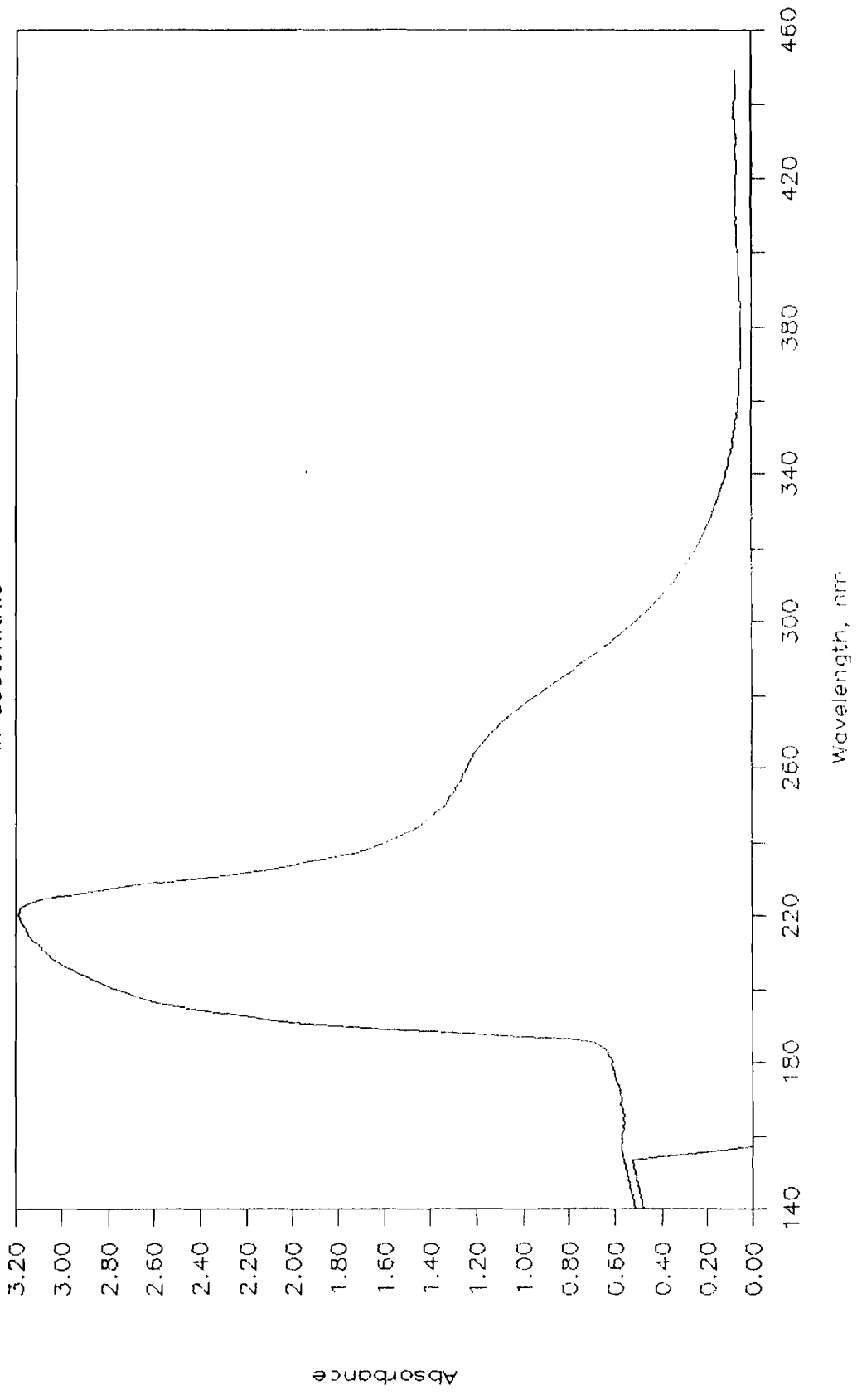


Figure 42.

Visible Spectrum of  $\text{Co}+2\text{Si}$  in Cyclohexane

in cyclohexane

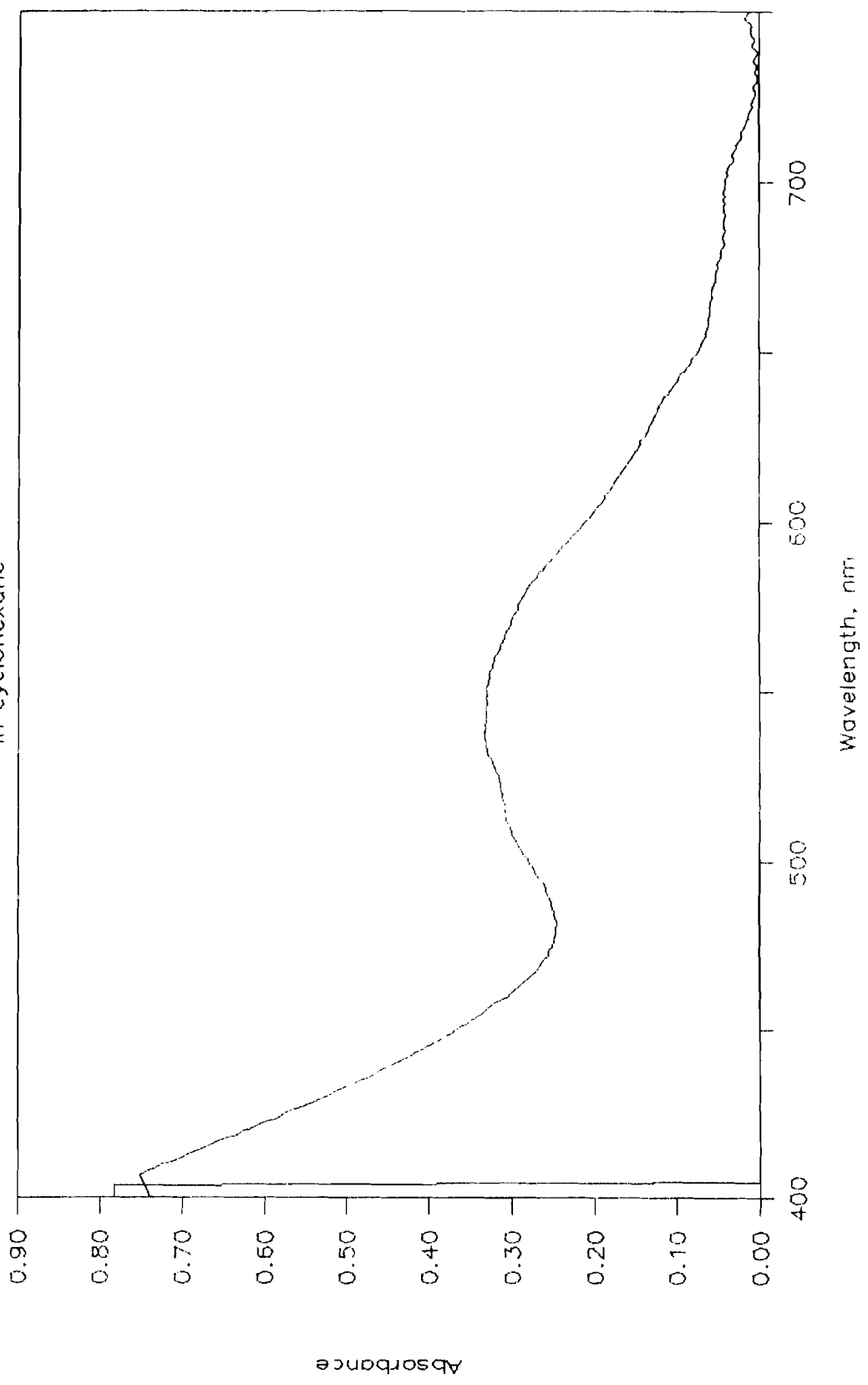


Figure 43.

Visible Spectrum of  $\text{Co}+2\text{Ge}$  in Cyclohexane

in cyclohexane

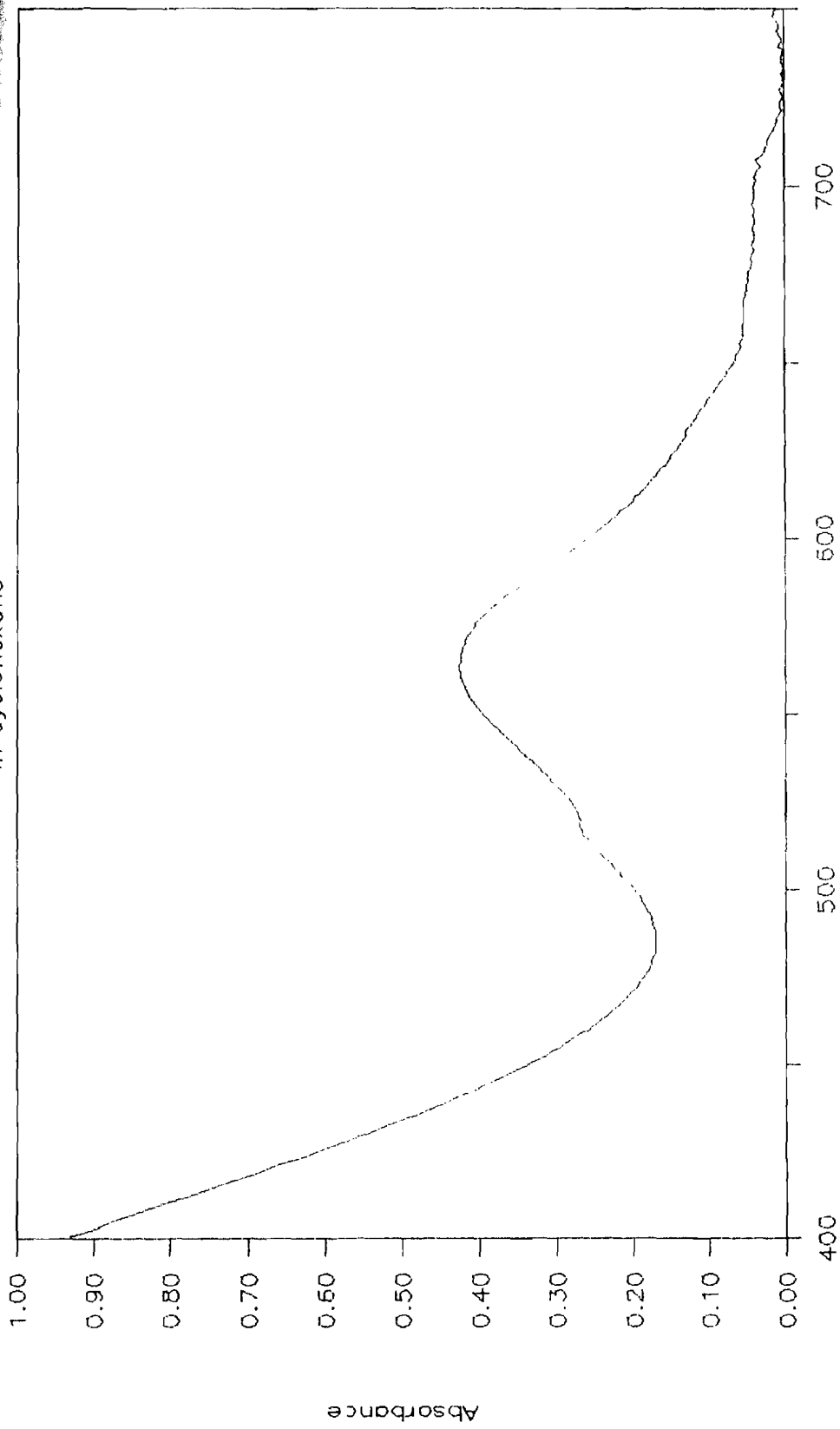


Figure 44.

Visible Spectrum of Co+3B in Cyclohexane

in cyclohexane

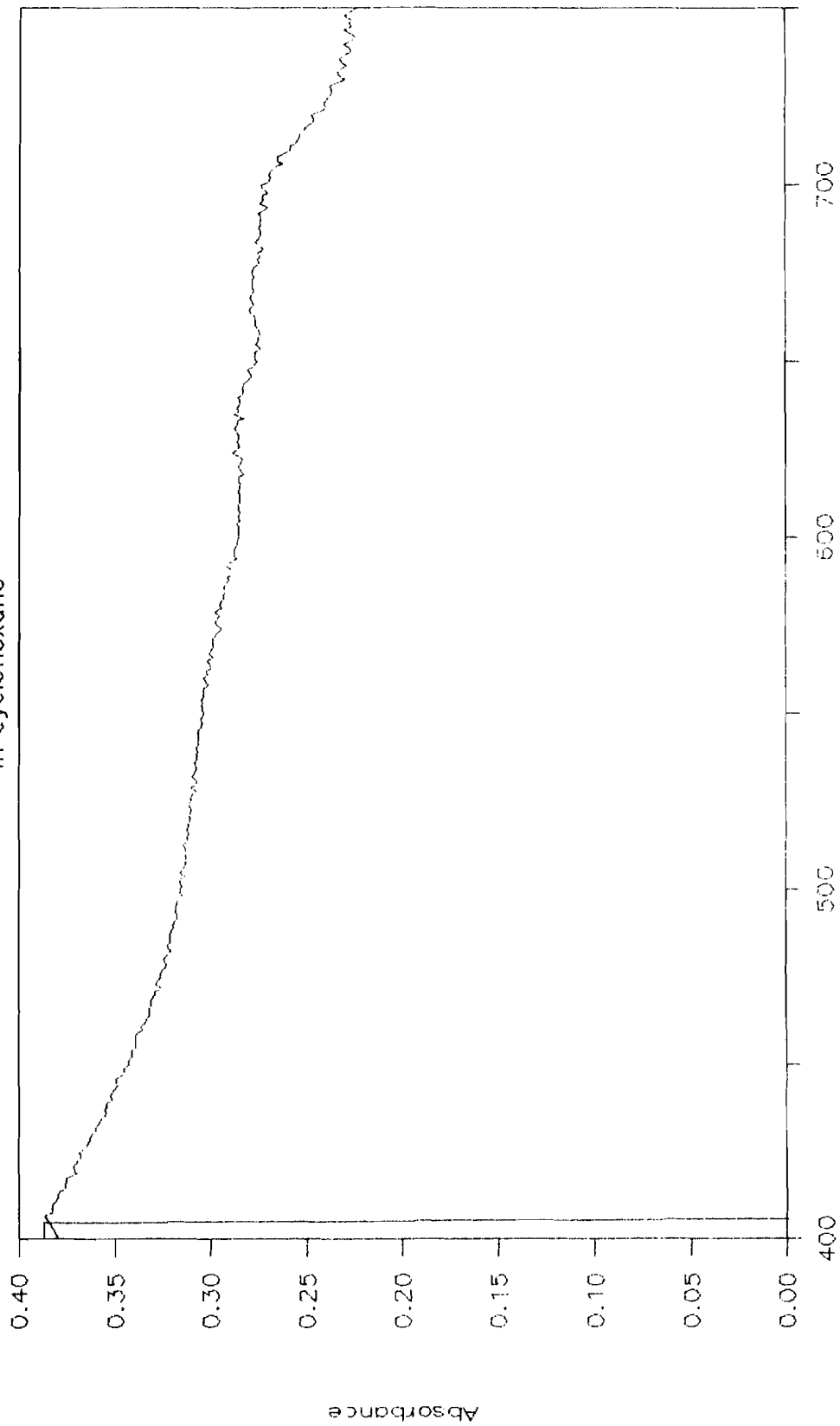


Figure 45.  
Visible Spectrum of  $\text{Co}^{3+}\text{Ga}$  in Cyclohexane



in cyclohexane

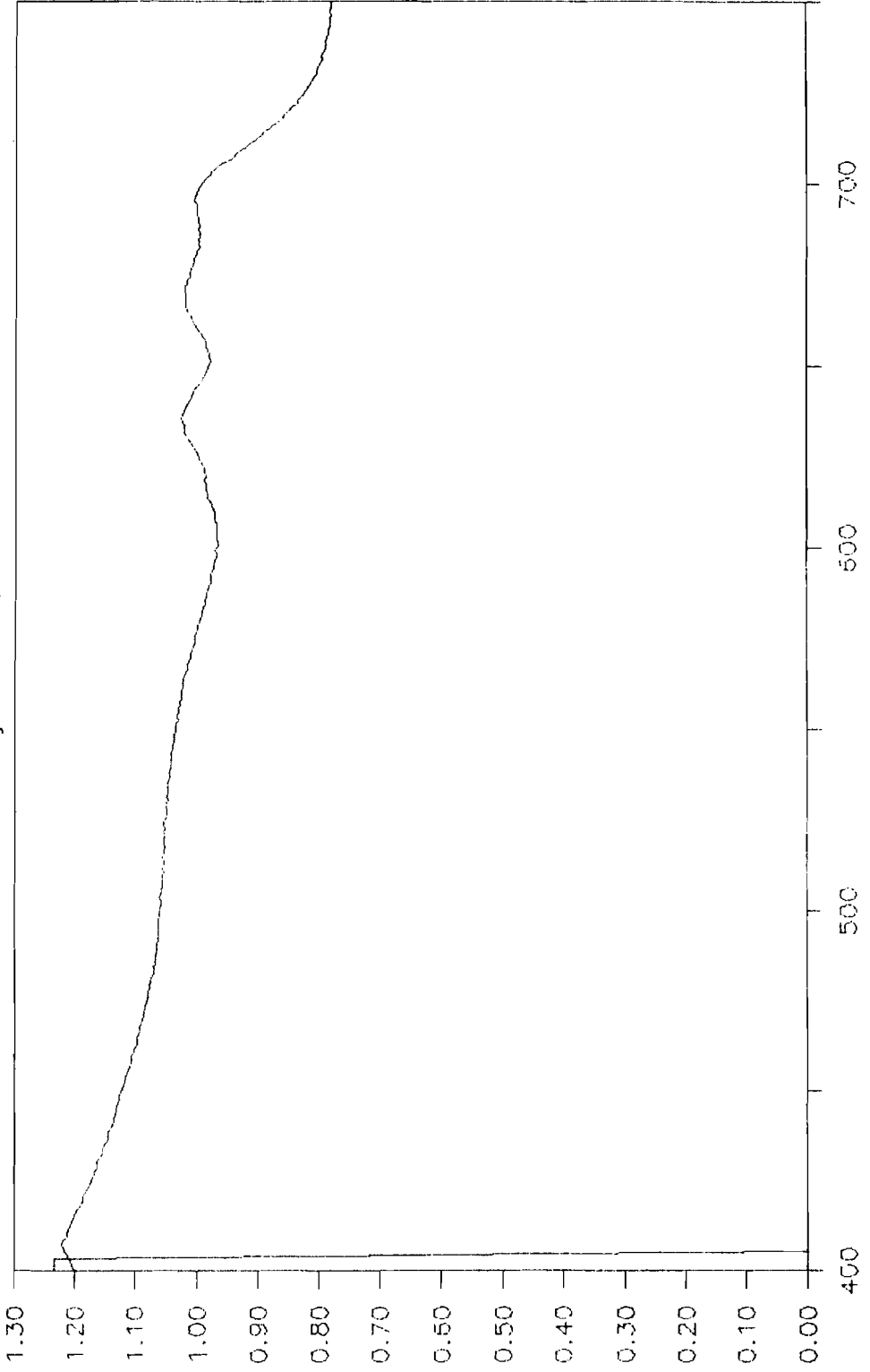


Figure 46.

Visible Spectrum of  $\text{Co}^{3+}\text{Zn}$  in Cyclohexane

in cyclohexane

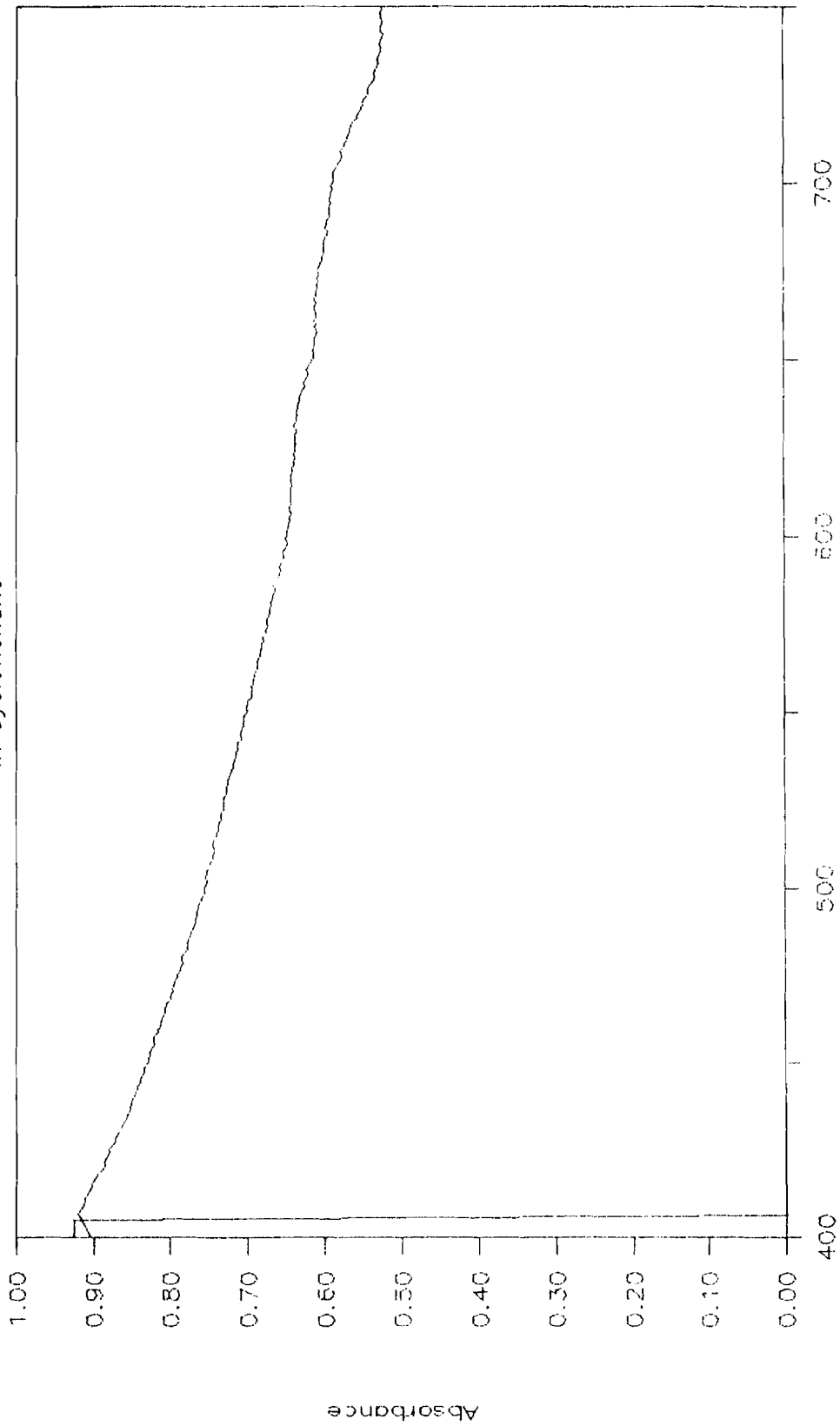


Figure 47.

Visible Spectrum of  $\text{Co}+2\text{Si}$   
in Carbon Tetrachloride

CO<sub>2</sub>ZSI  
in carbon tetrachloride

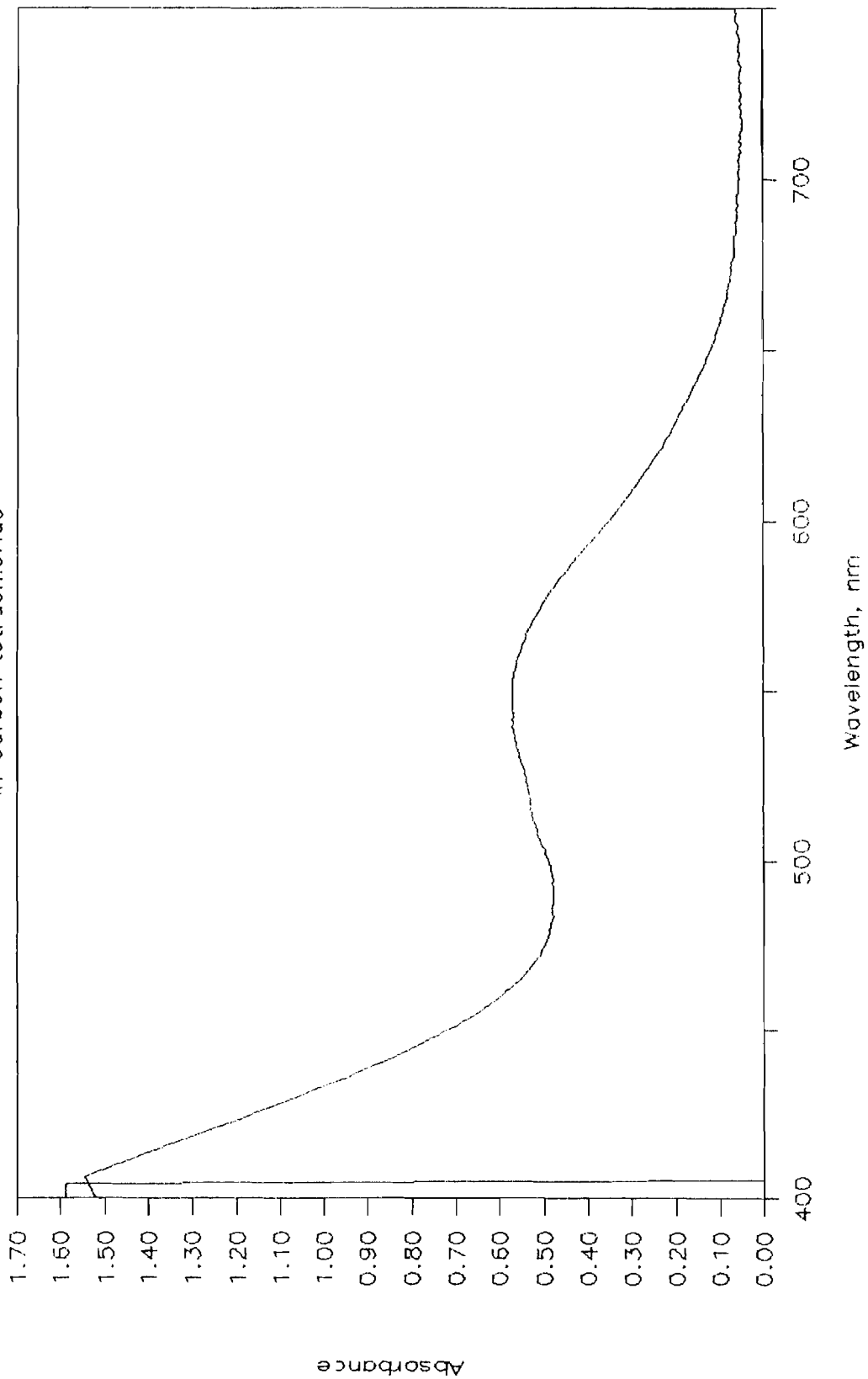


Figure 48.

Visible Spectrum of  $\text{Co}^{2+}$  in  
Carbon Tetrachloride

**CO<sub>2</sub>ZnO**  
in carbon tetrachloride

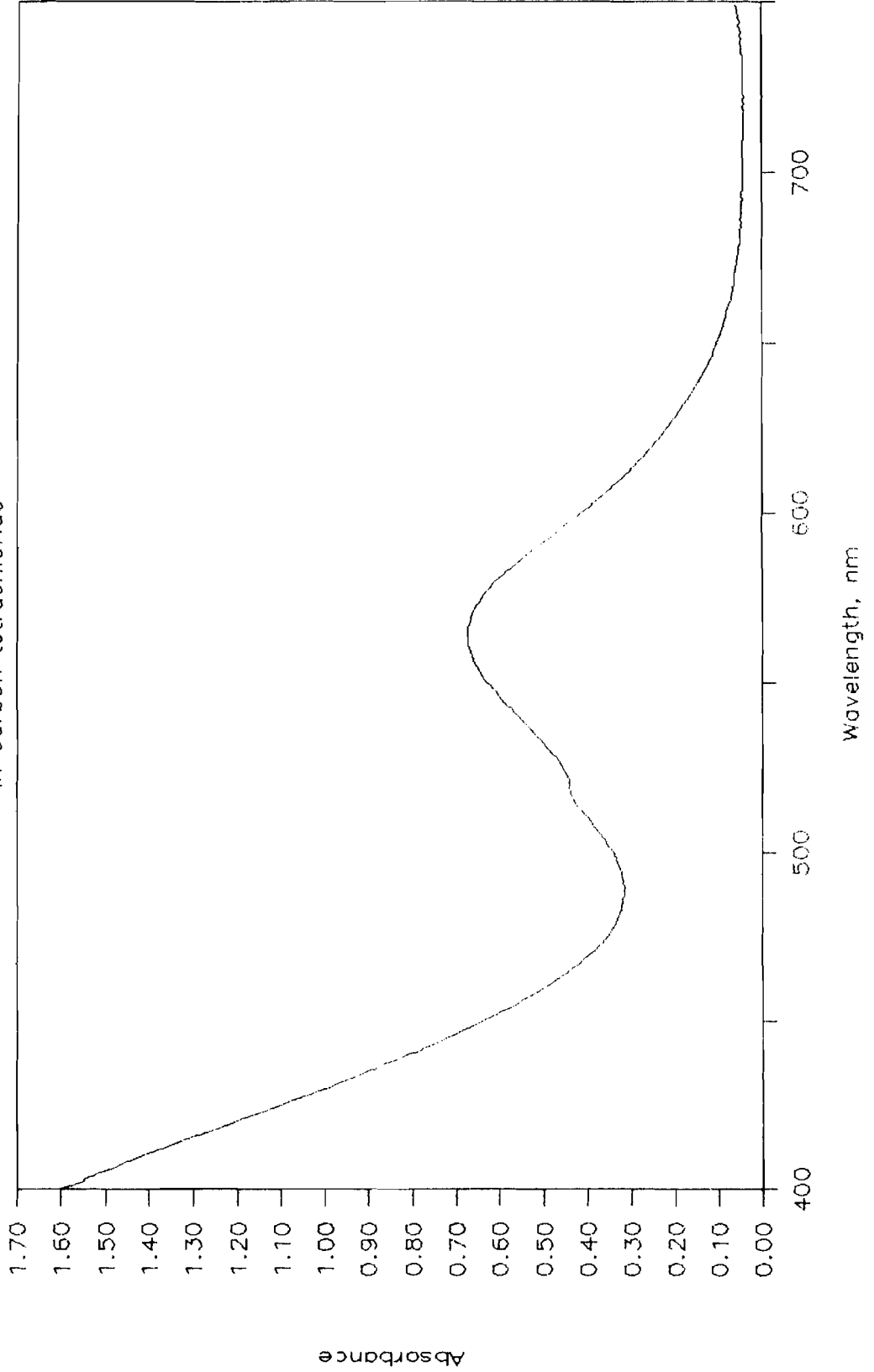


Figure 49.

Visible Spectrum of Co+3B  
in Carbon Tetrachloride



CO-3B  
in carbon tetrachloride

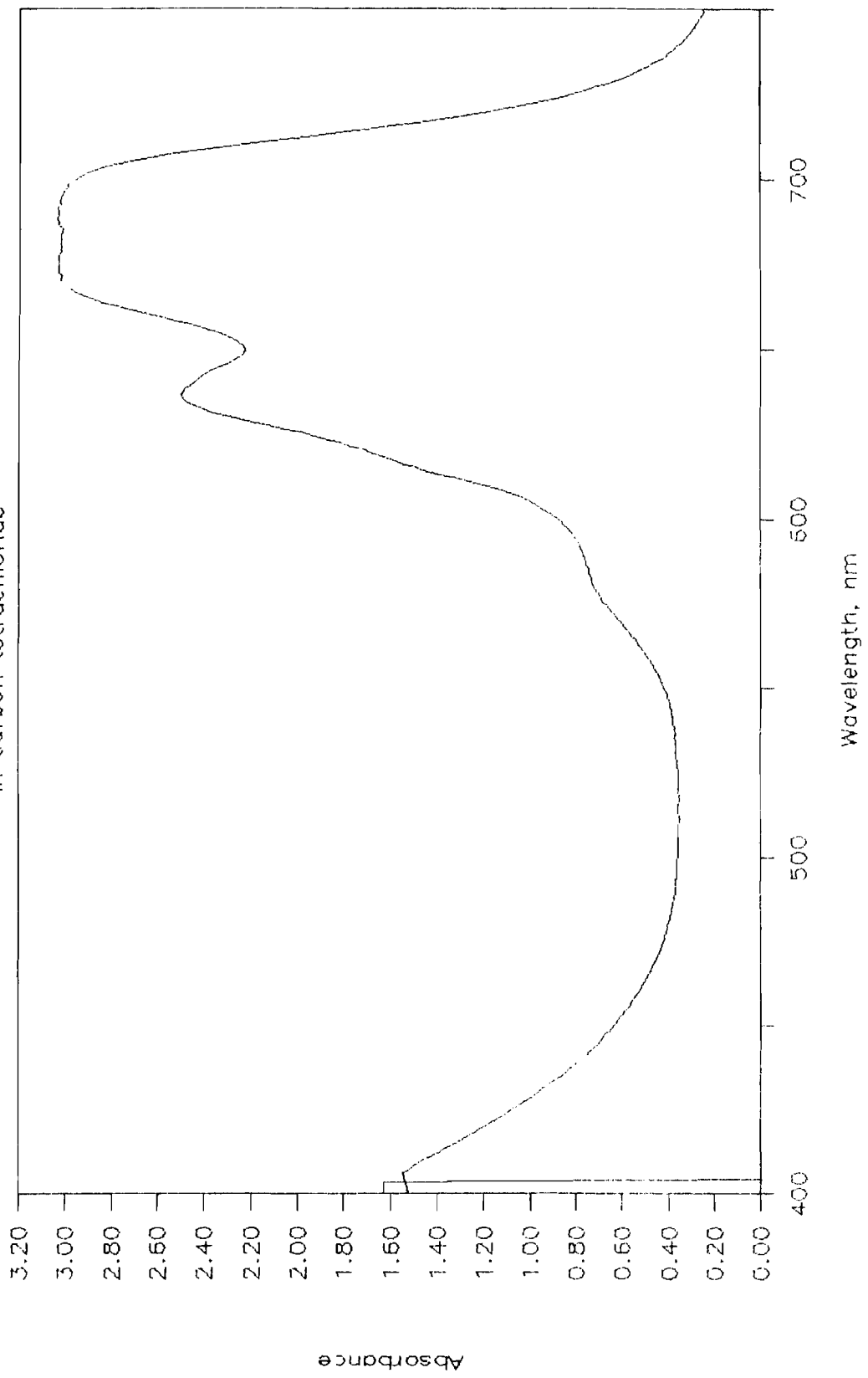


Figure 50.

Visible Spectrum of  $\text{Co}^{+3}\text{Ga}$   
in Carbon Tetrachloride

in carbon tetrachloride

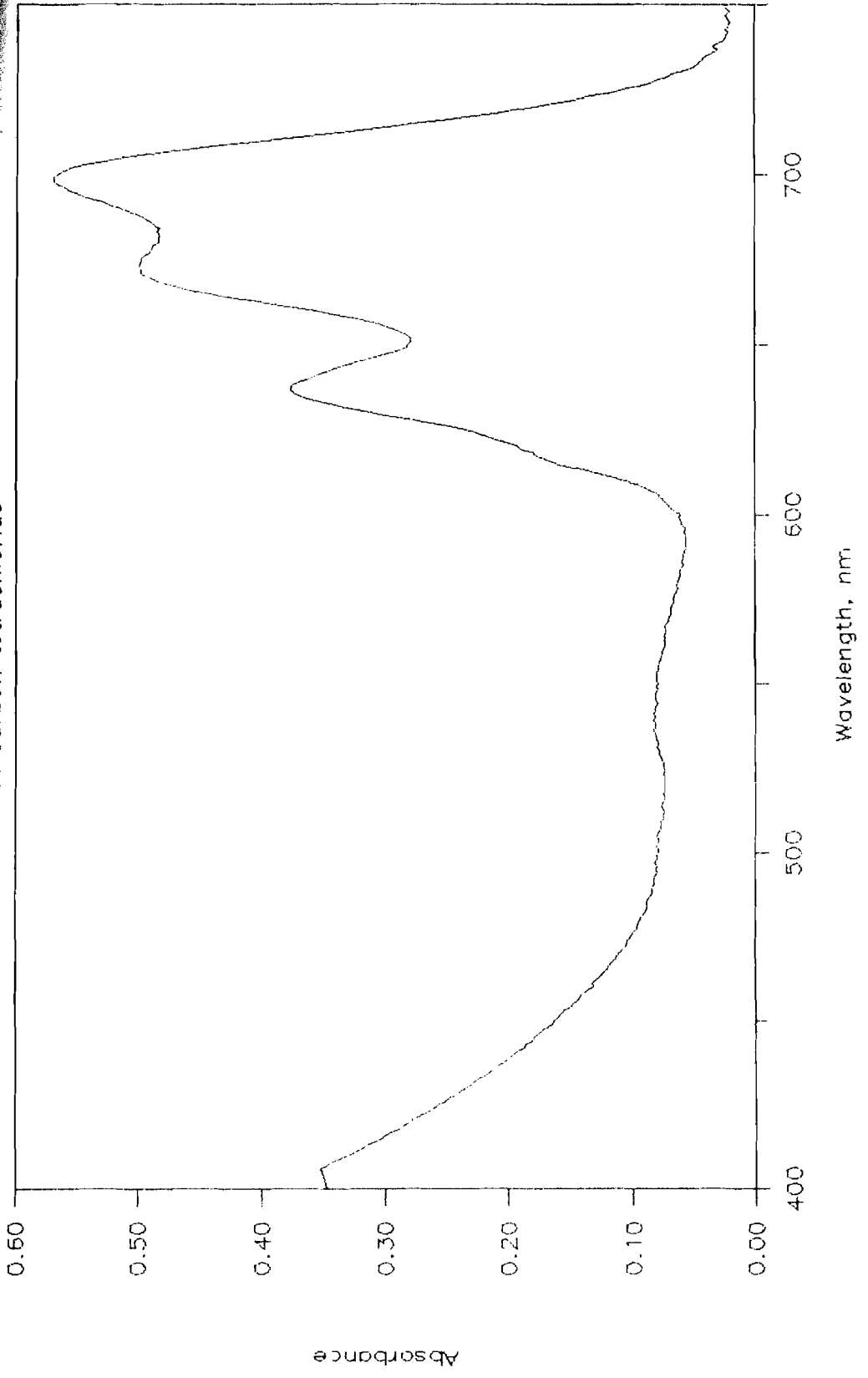


Figure 51.

Visible Spectrum of  $\text{Co}+3\text{Zn}$   
in Carbon Tetrachloride

**CO<sub>2</sub>S<sub>2</sub>IT**  
in carbon tetrachloride

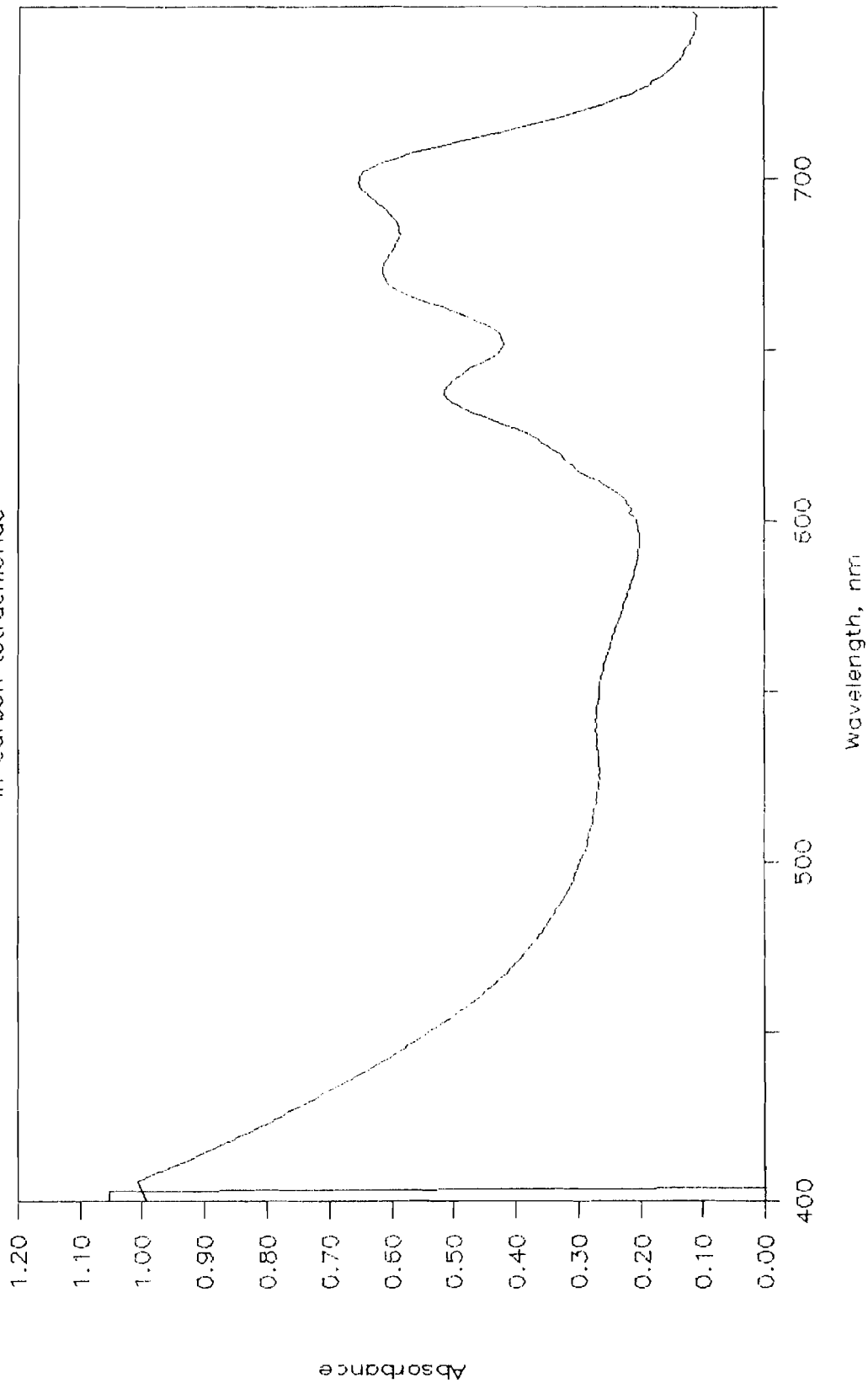


Figure 52.

Visible Spectrum of  $\text{Co}+2\text{Si}$  in Toluene

COTZSI

in toluene

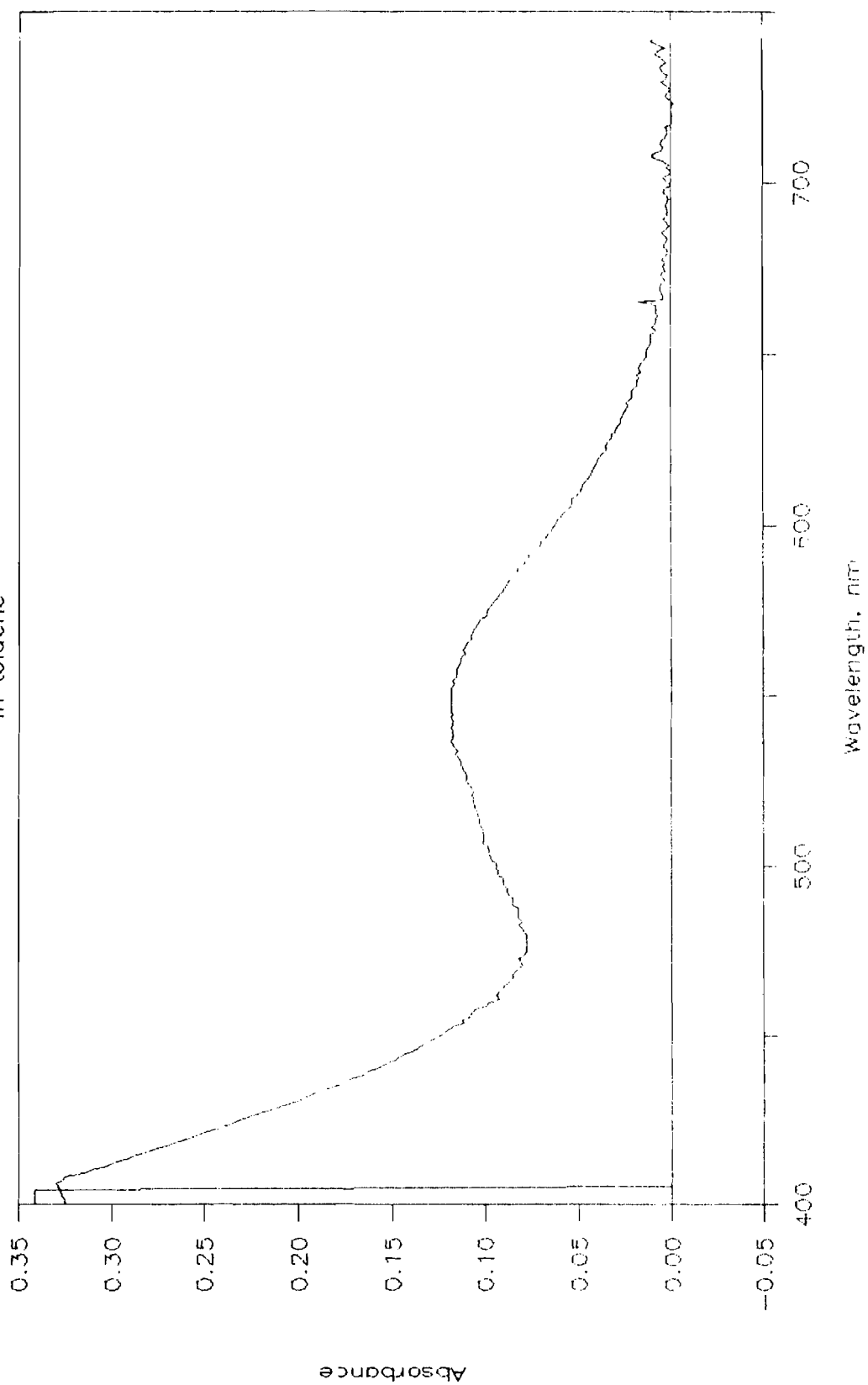
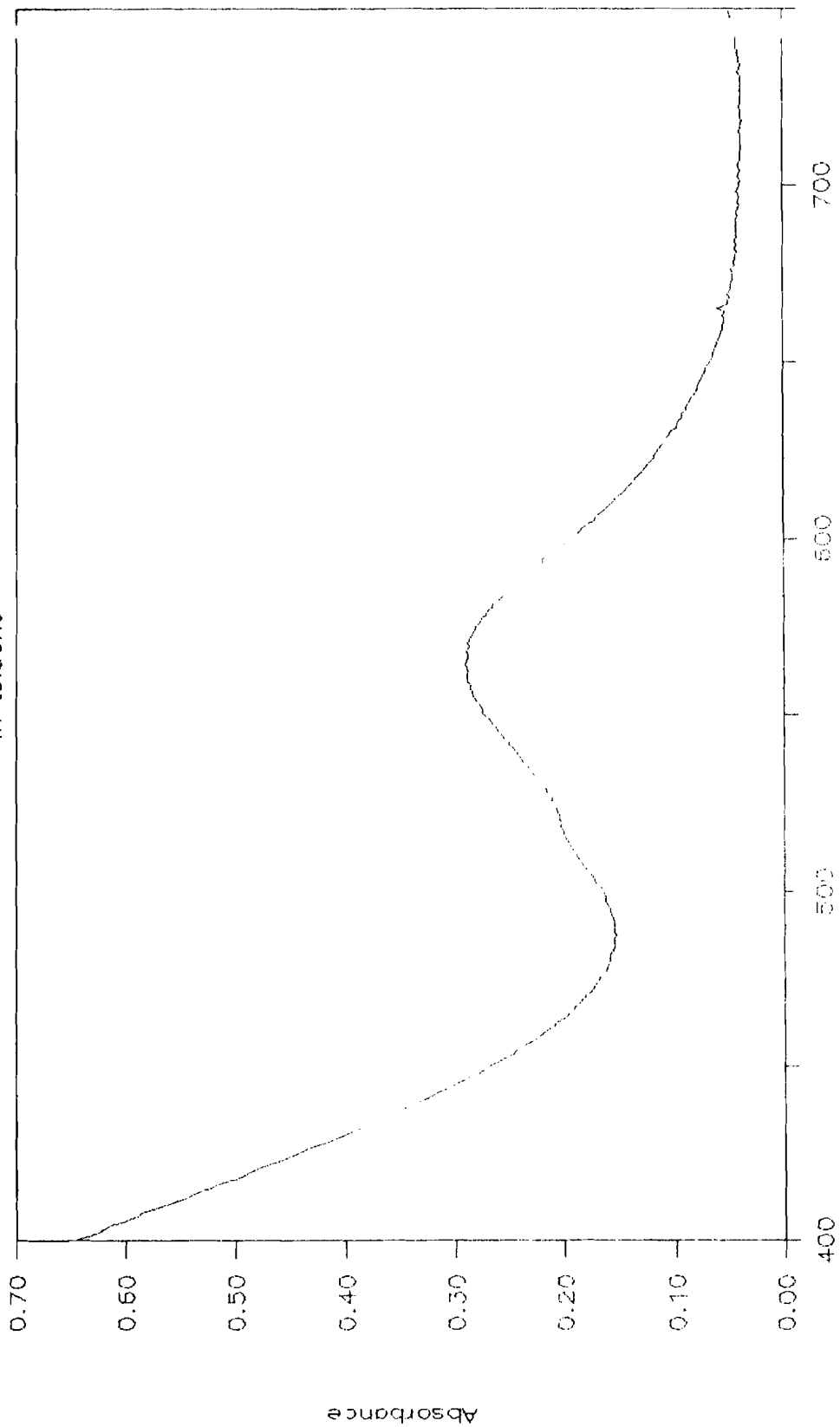


Figure 53.

Visible Spectrum of  $\text{Co}+2\text{Ge}$  in Toluene



in toluene



Wavelength, nm

Figure 54.

Visible Spectrum of Co+3B in Toluene

COF3D

in toluene

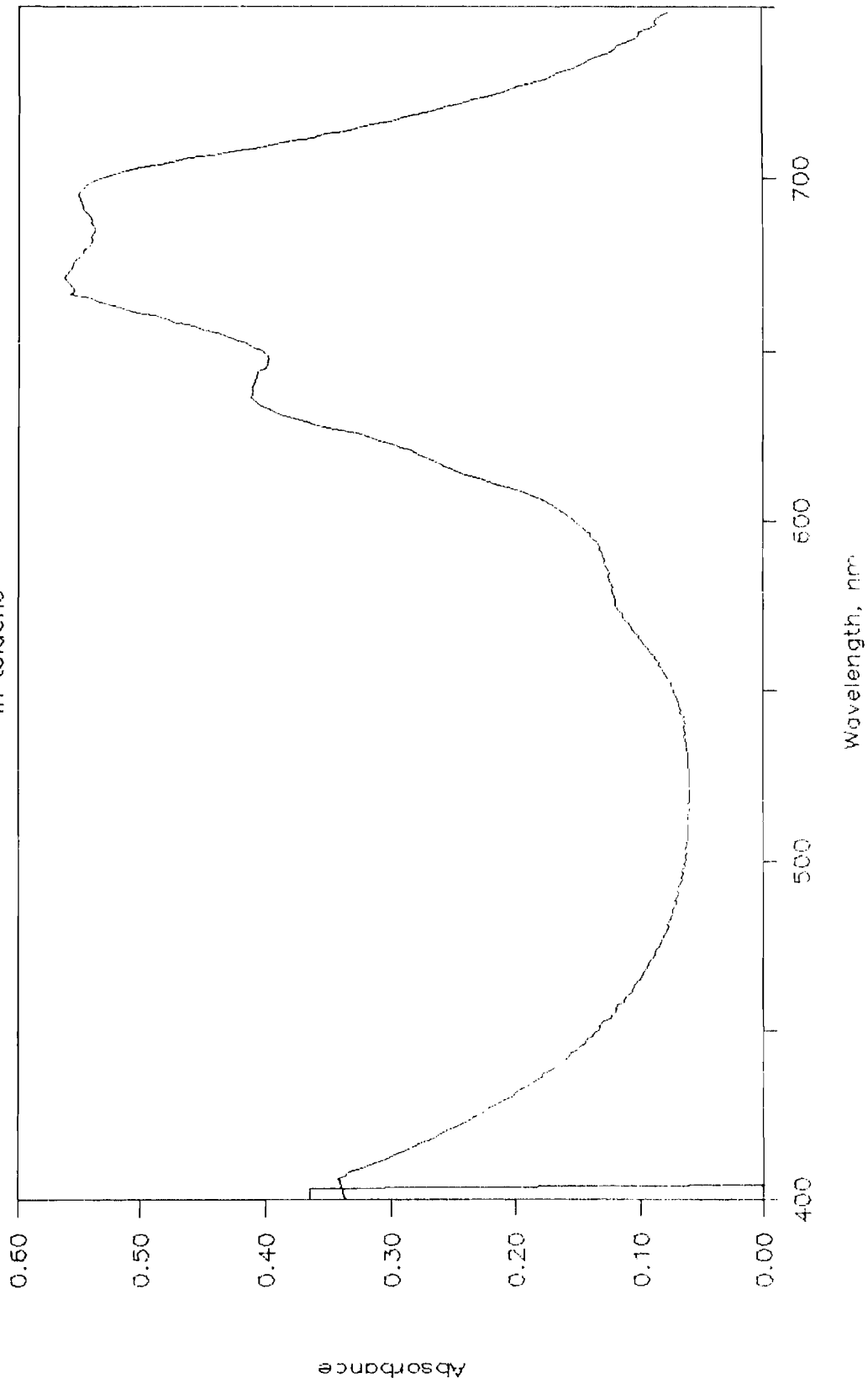


Figure 55.

Visible Spectrum of  $\text{Co}^{3+}$  in Toluene

001300

in toluene

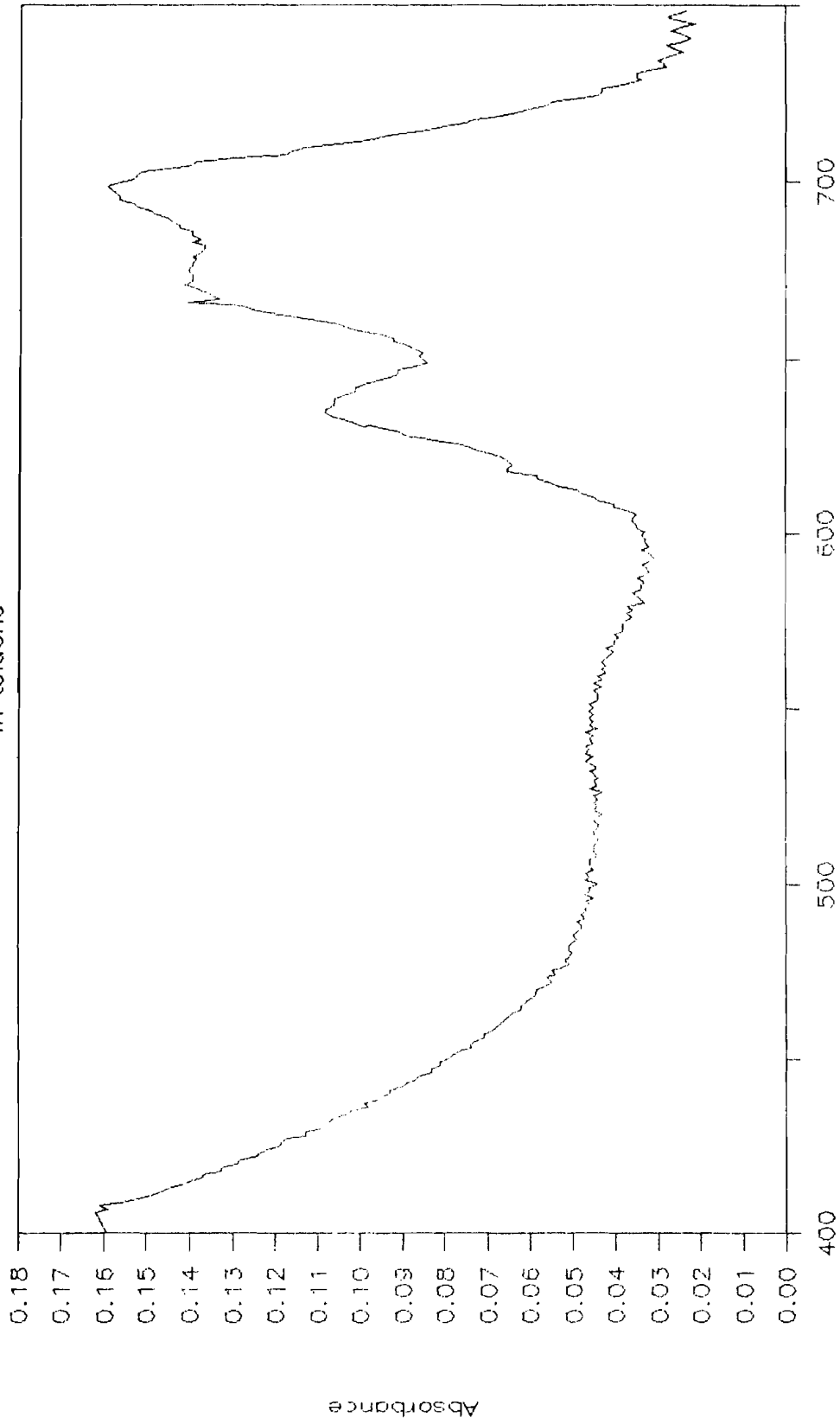


Figure 56.  
Visible Spectrum of  $\text{Co}+3\text{Zn}$  in Toluene

# COTONIN

in toluene

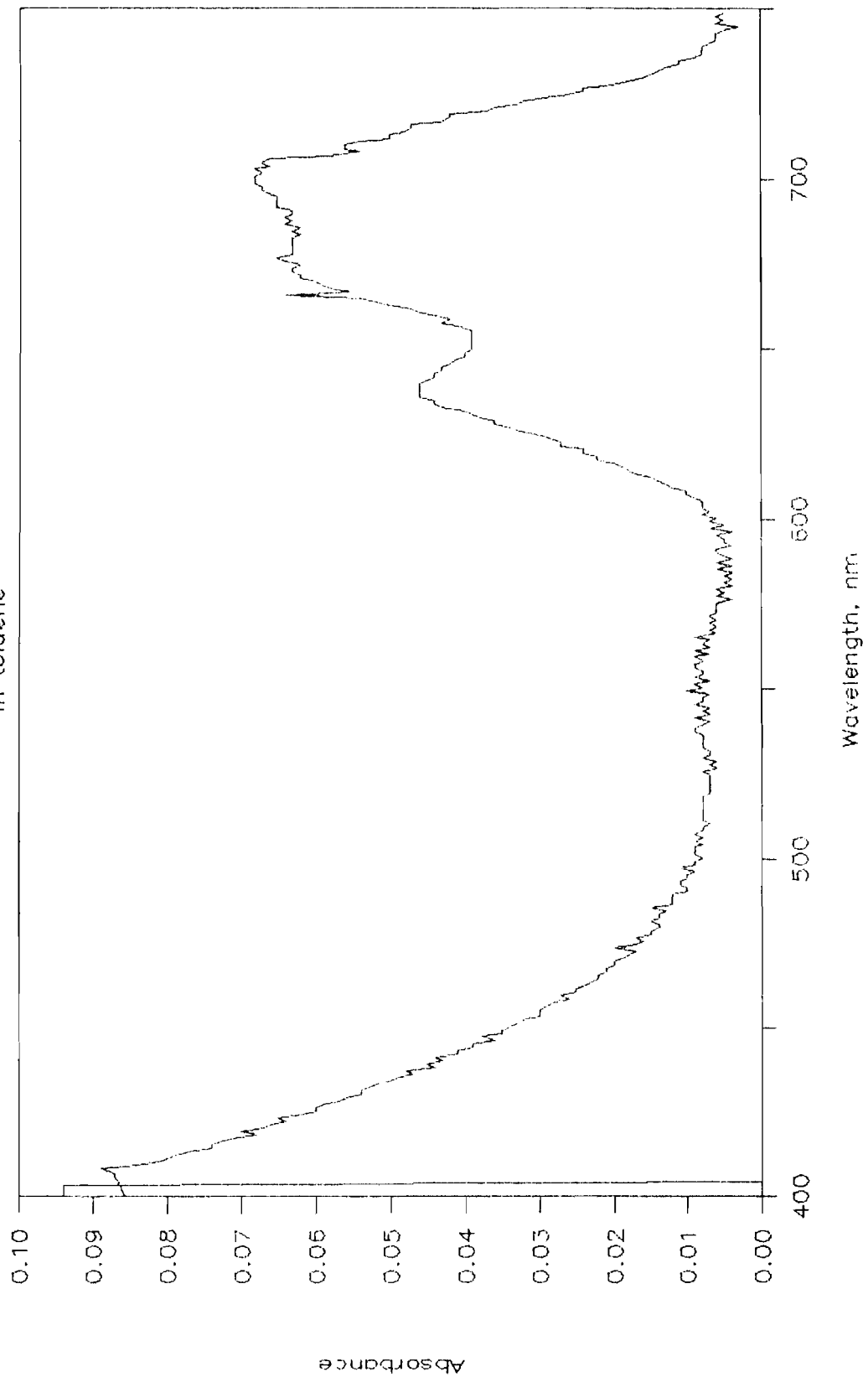


Figure 57.

Visible Spectrum of  $\text{Co}^{2+}$  in Methylene Chloride



COTZSI  
in methylene chloride

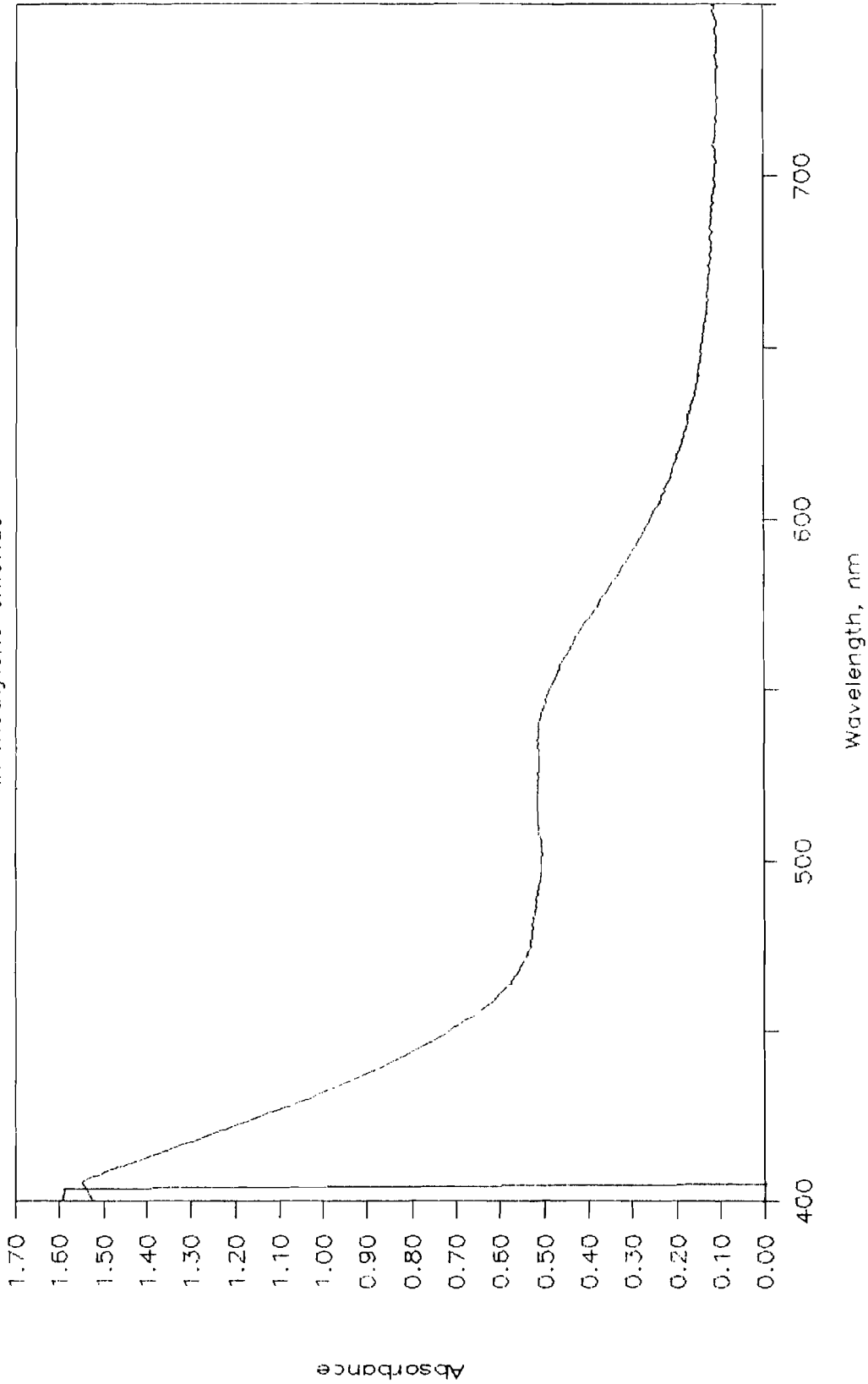


Figure 58.

Visible Spectrum of  $\text{Co}^{2+}$  in Methylene Chloride

Co+ZnGe  
in methylene chloride

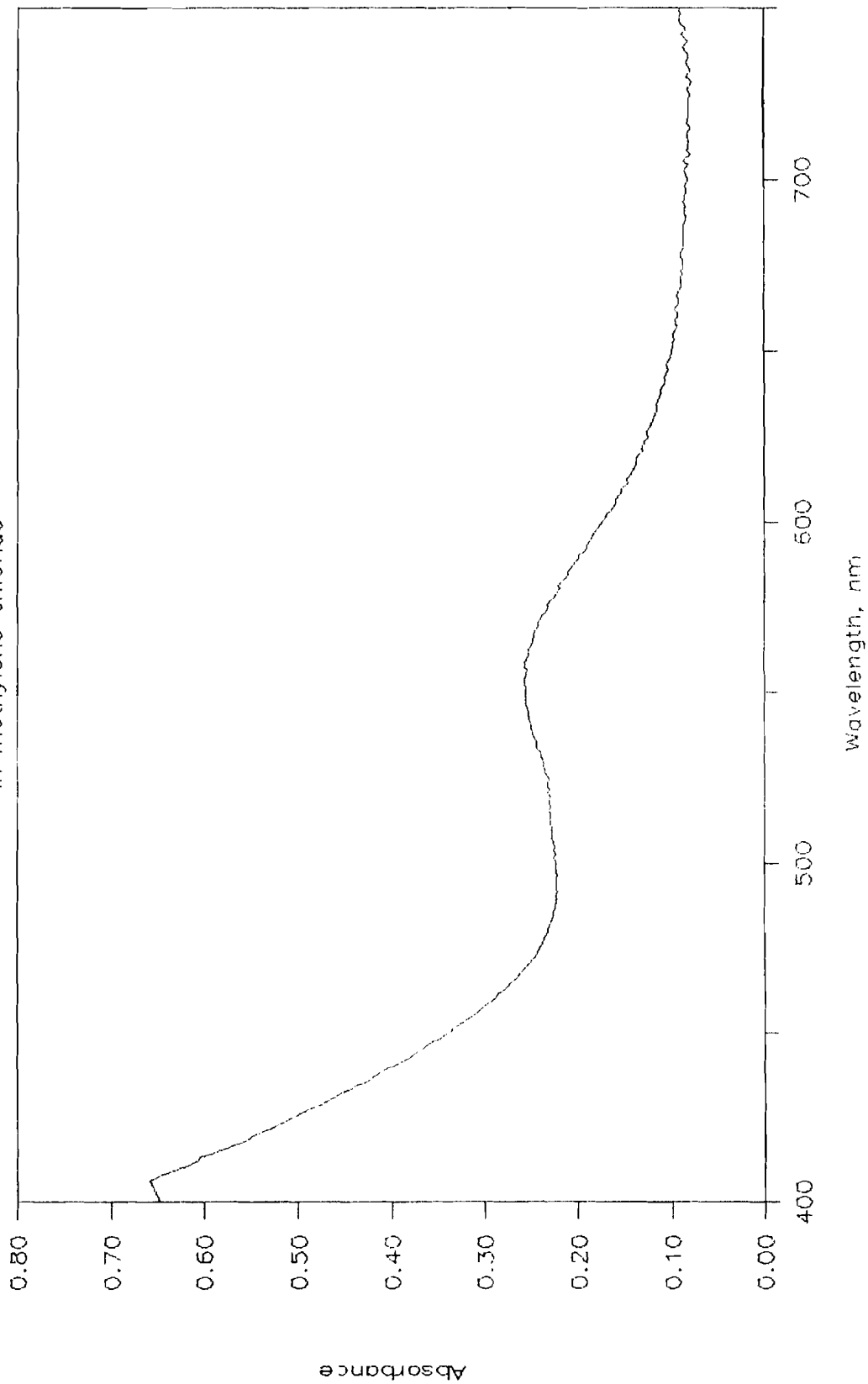


Figure 59.

Visible Spectrum of Co+3B  
in Methylene Chloride

# Co+3B

in methylene chloride

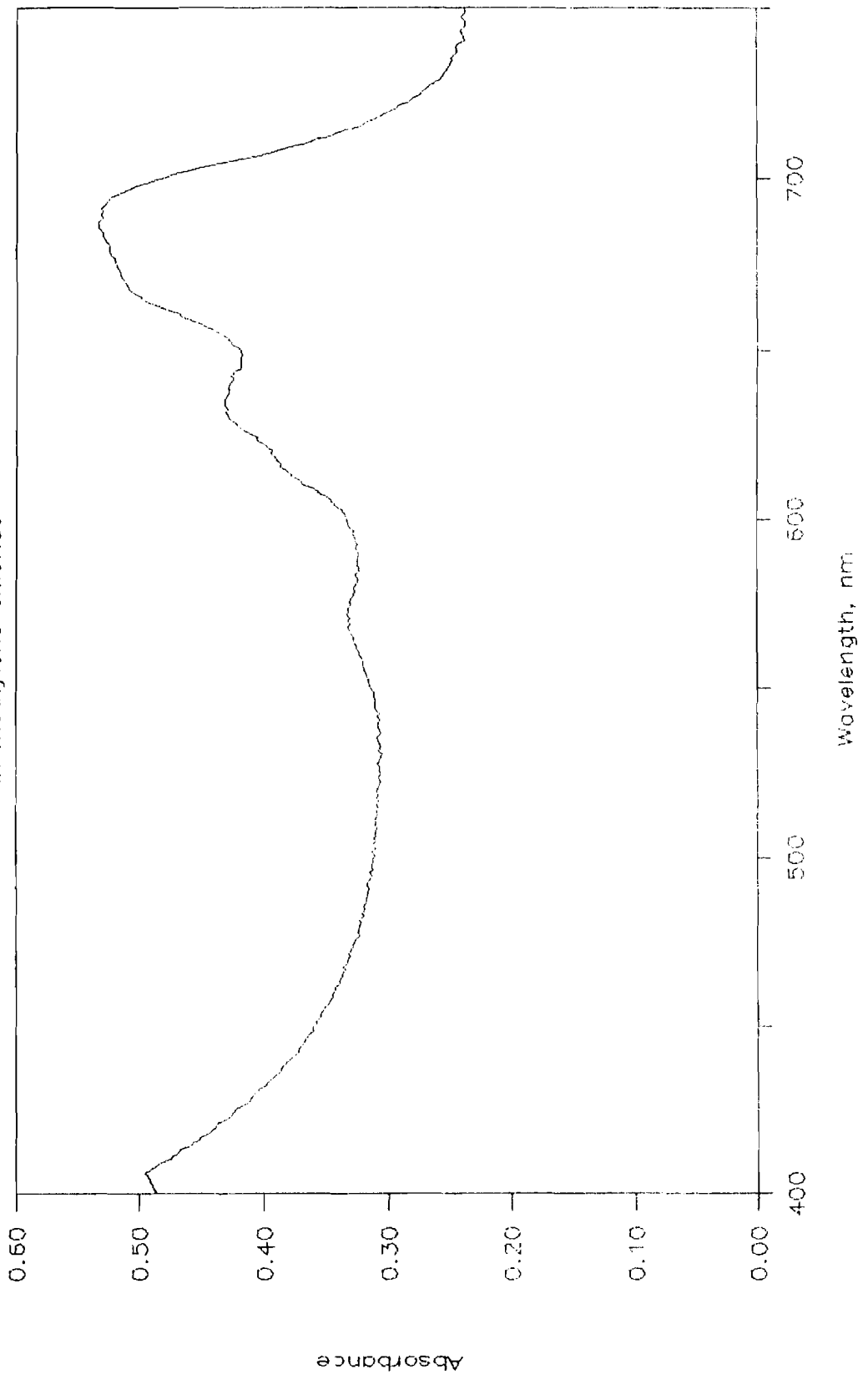


Figure 60.

Visible Spectrum of  $\text{Co}^{3+}$  in  
Methylene Chloride

# Co+3Ga

in methylene chloride

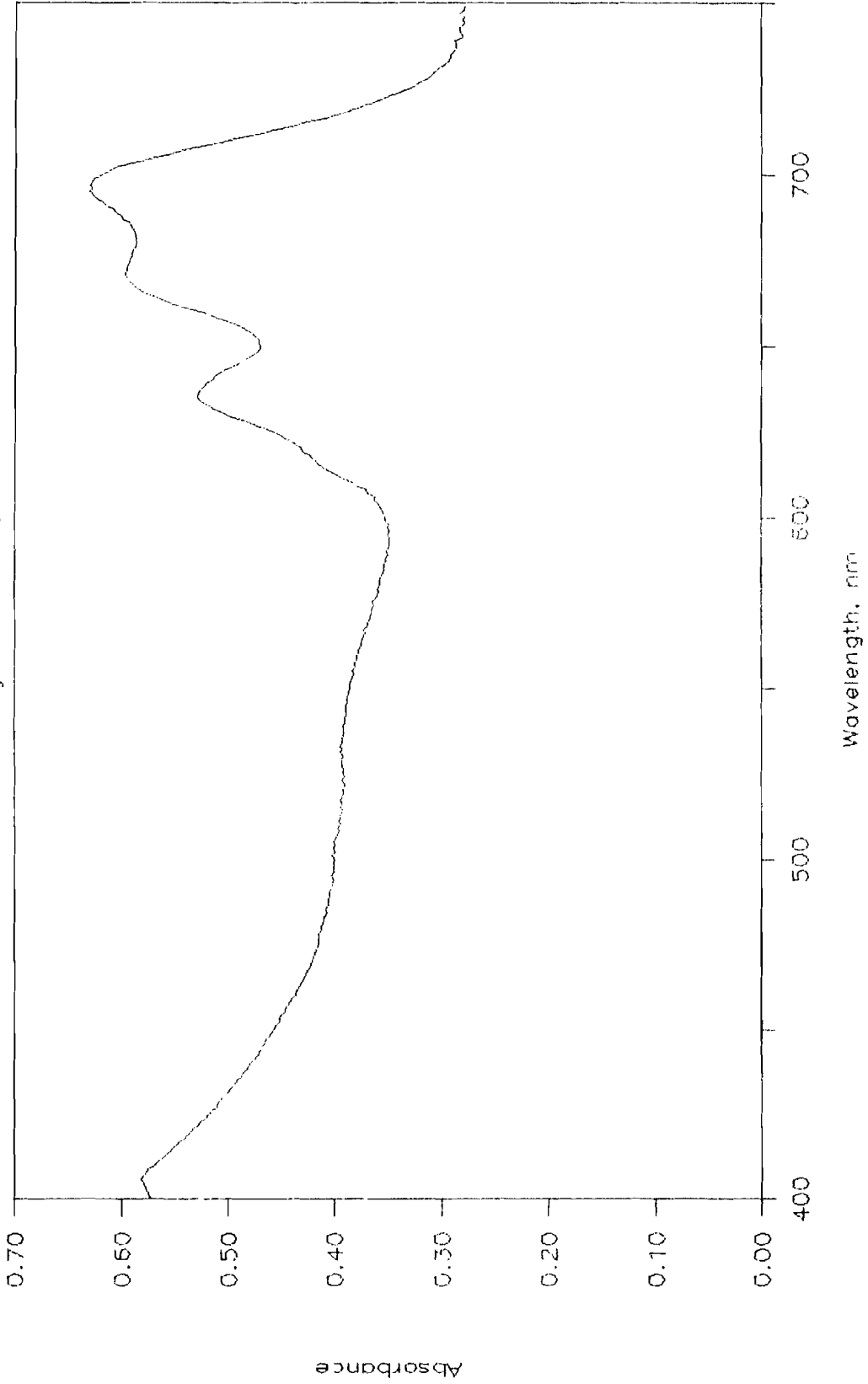


Figure 61.

Visible Spectrum of  $\text{Co}+3\text{Zn}$   
in Methylene Chloride



$\text{Co} + 3\text{Zn}$   
in methylene chloride

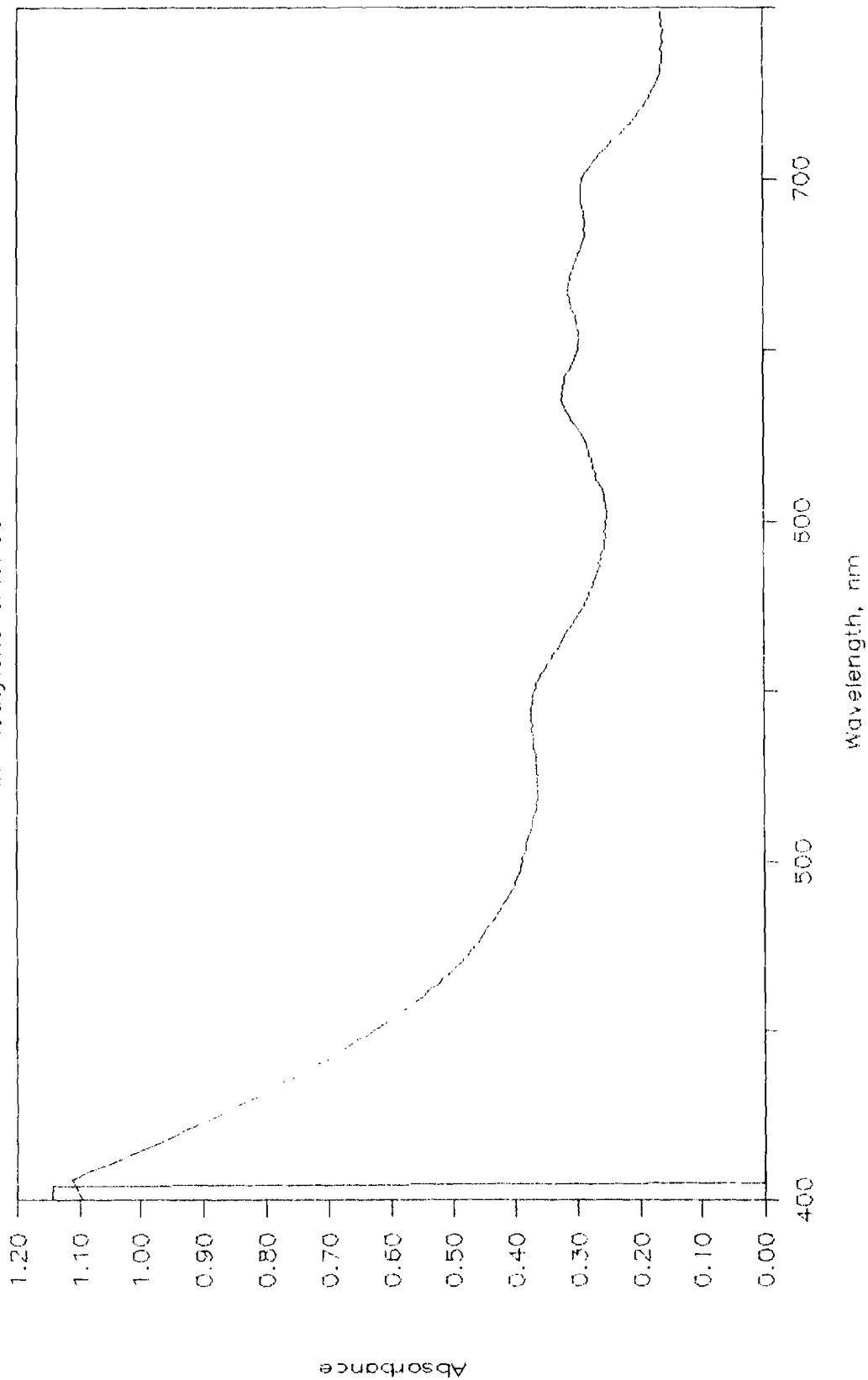


Figure 62.

Visible Spectrum of  $\text{Co}+2\text{Si}$  in Chloroform

Co+2Si  
in chloroform

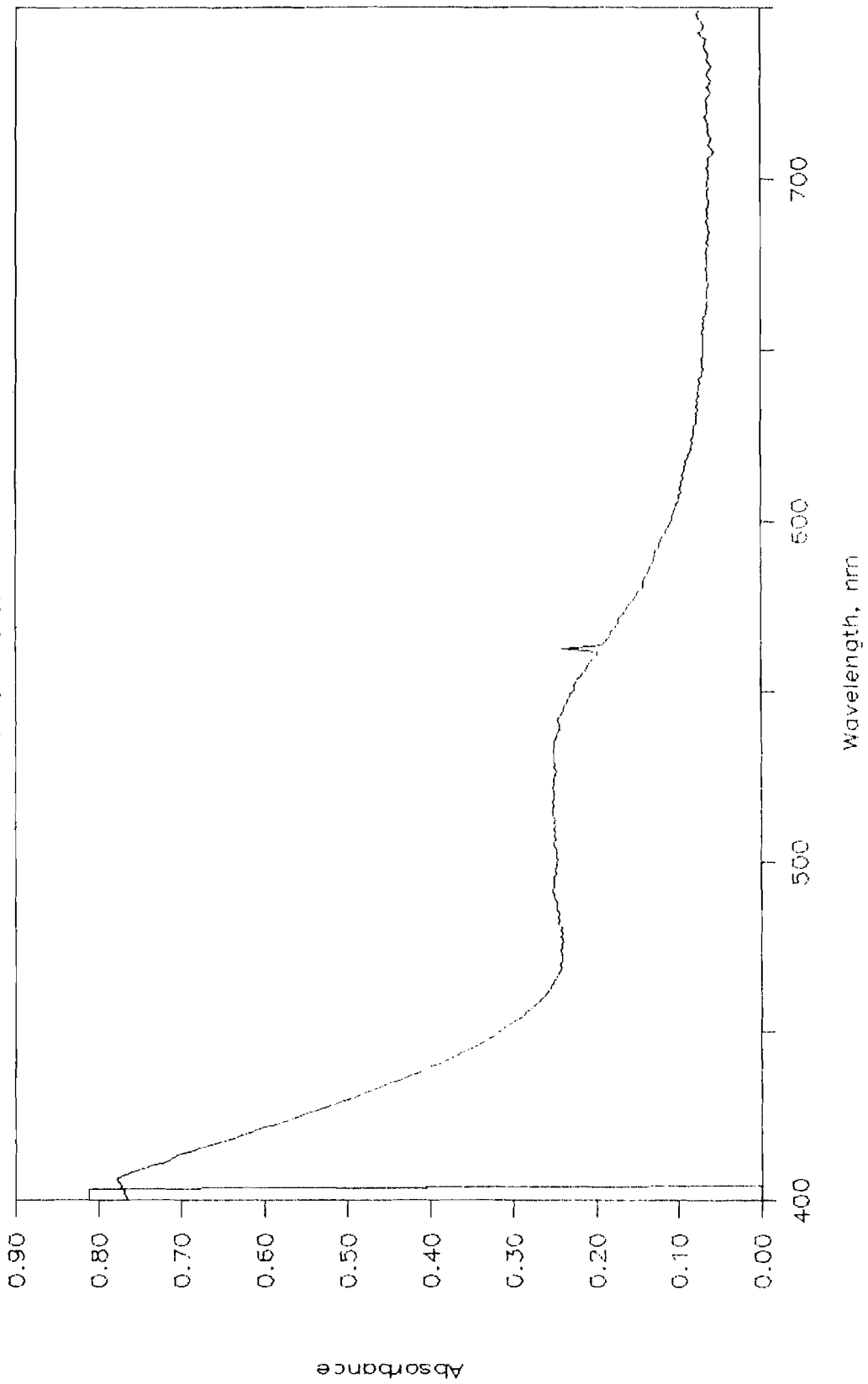


Figure 63.

Visible Spectrum of  $\text{Co}+2\text{Ge}$  in Chloroform

Co+2Ge  
in chloroform

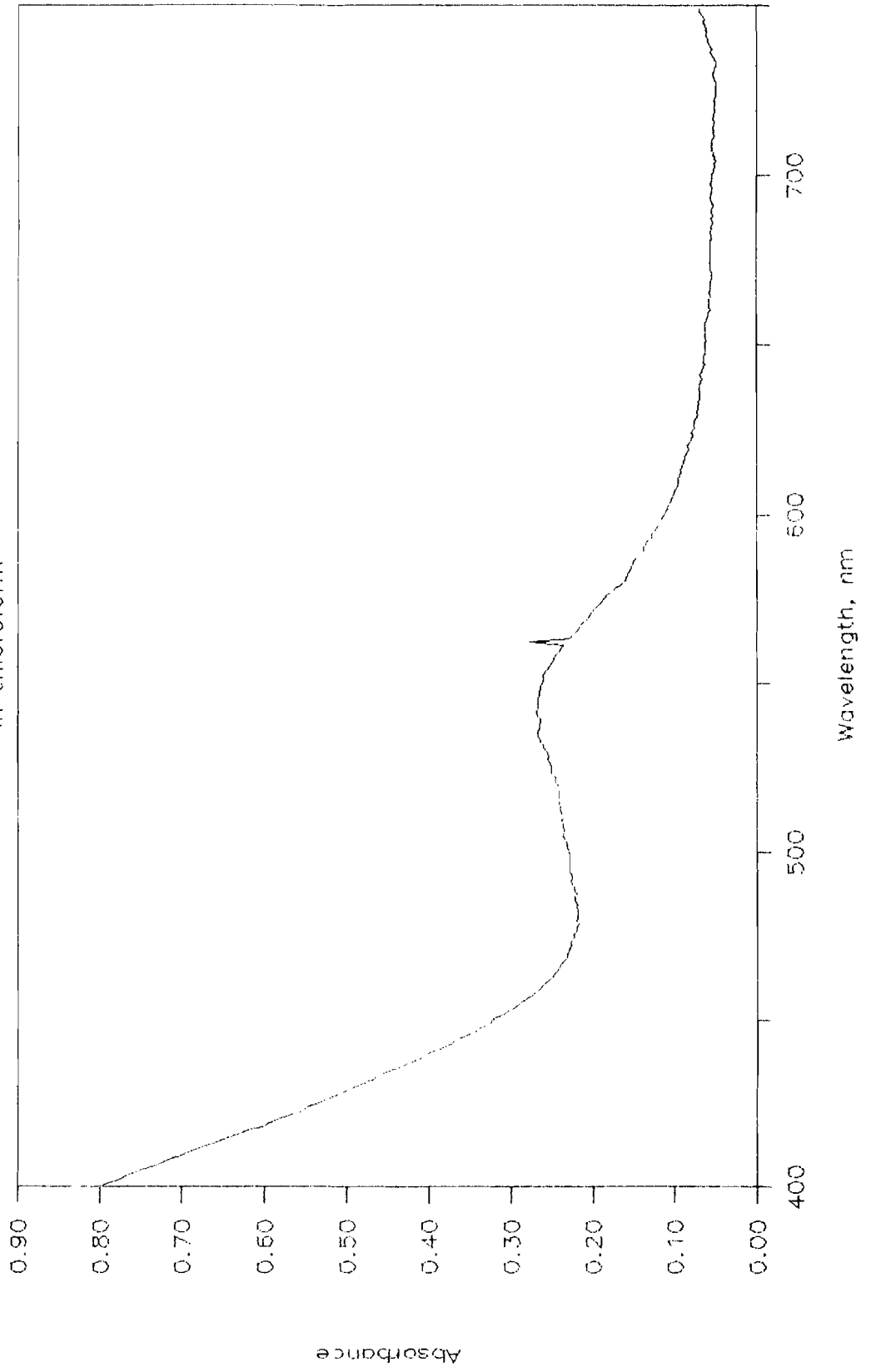


Figure 64.

Visible Spectrum of  $\text{Co}^{+3}\text{B}$  in Chloroform

Co + 3B  
in chloroform

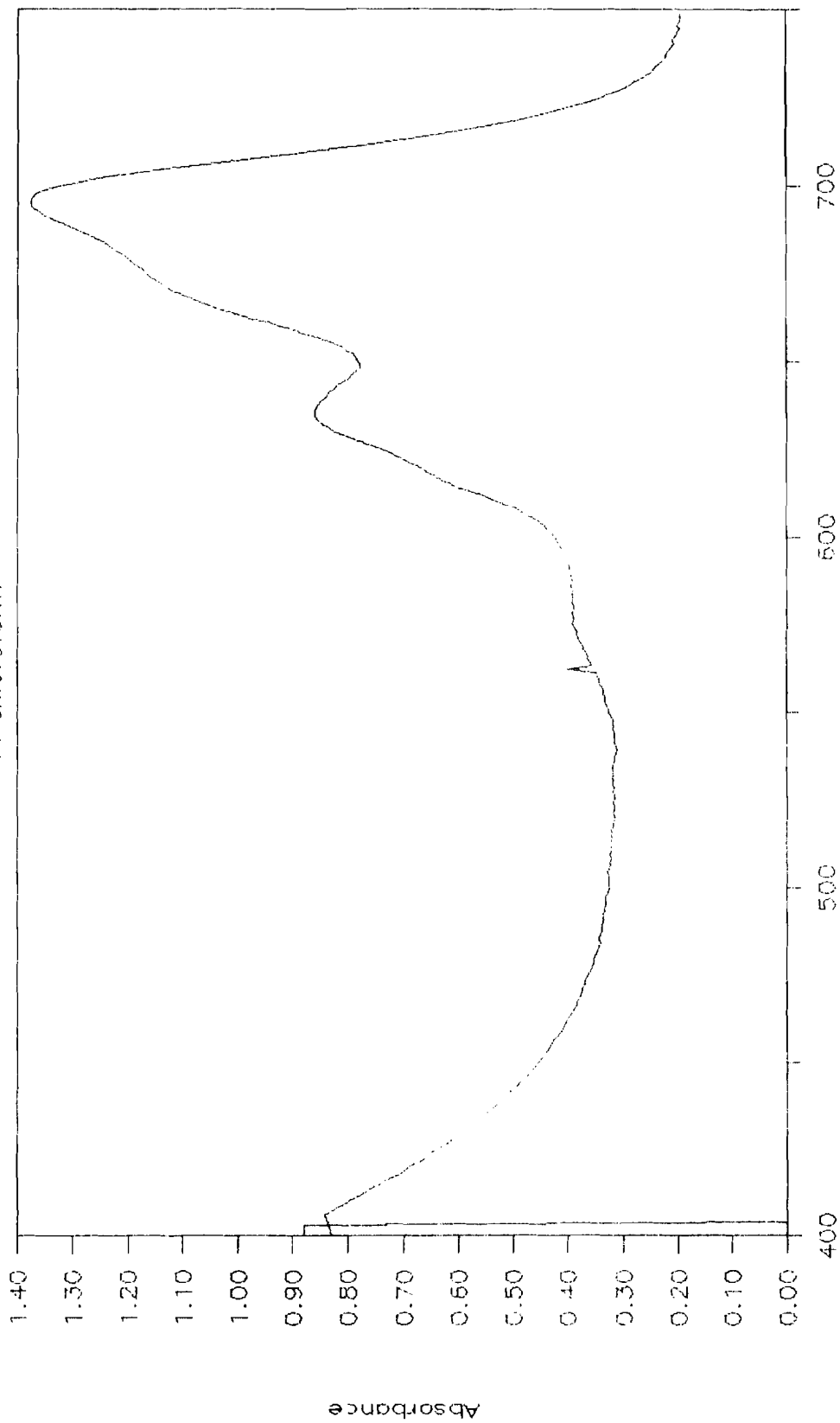


Figure 65.

Visible Spectrum of  $\text{Co}^{3+}$  in Chloroform



Co+3Gd  
in chloroform

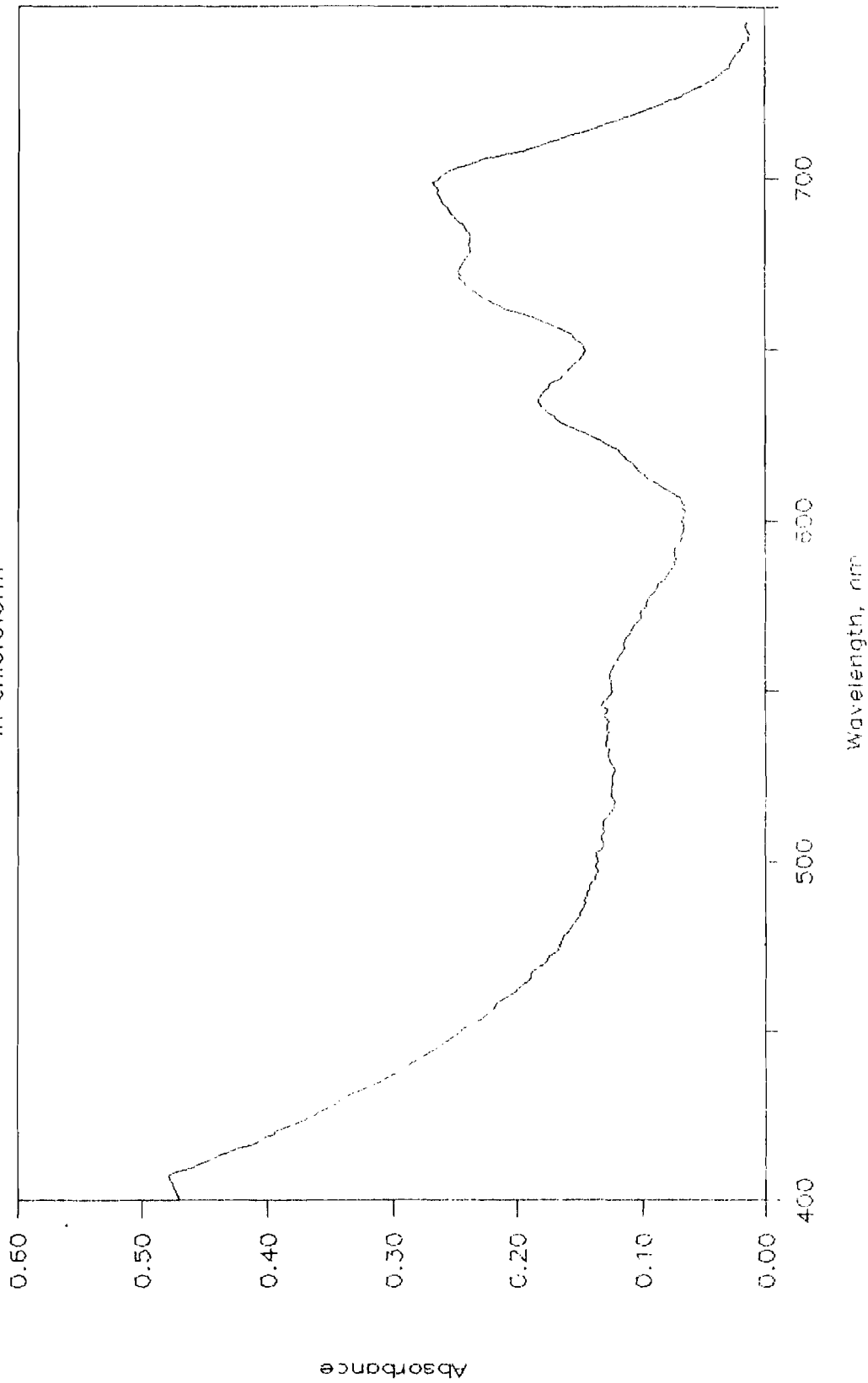


Figure 66.

Visible Spectrum of  $\text{Co}+3\text{Zn}$  in Chloroform

Co+3Zn  
in chloroform



Figure 67.

Visible Spectrum of  $\text{Co}^{2+}$  in  
Isopropyl Alcohol

Co+2Si

in isopropyl alcohol

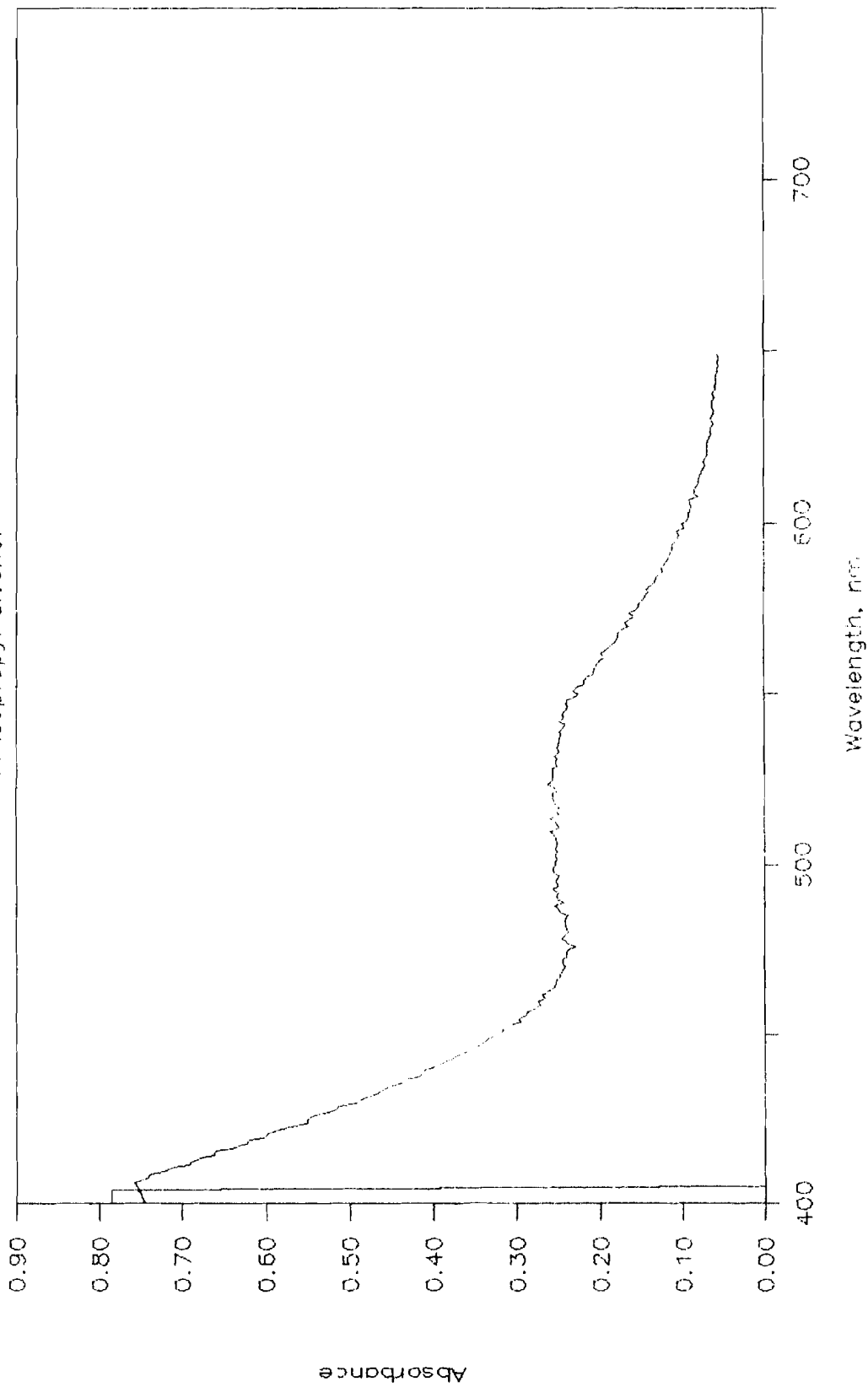


Figure 68.

Visible Spectrum of  $\text{Co}+2\text{Ge}$   
in Isopropyl Alcohol

# Co+2Ge

in Isopropyl Alcohol

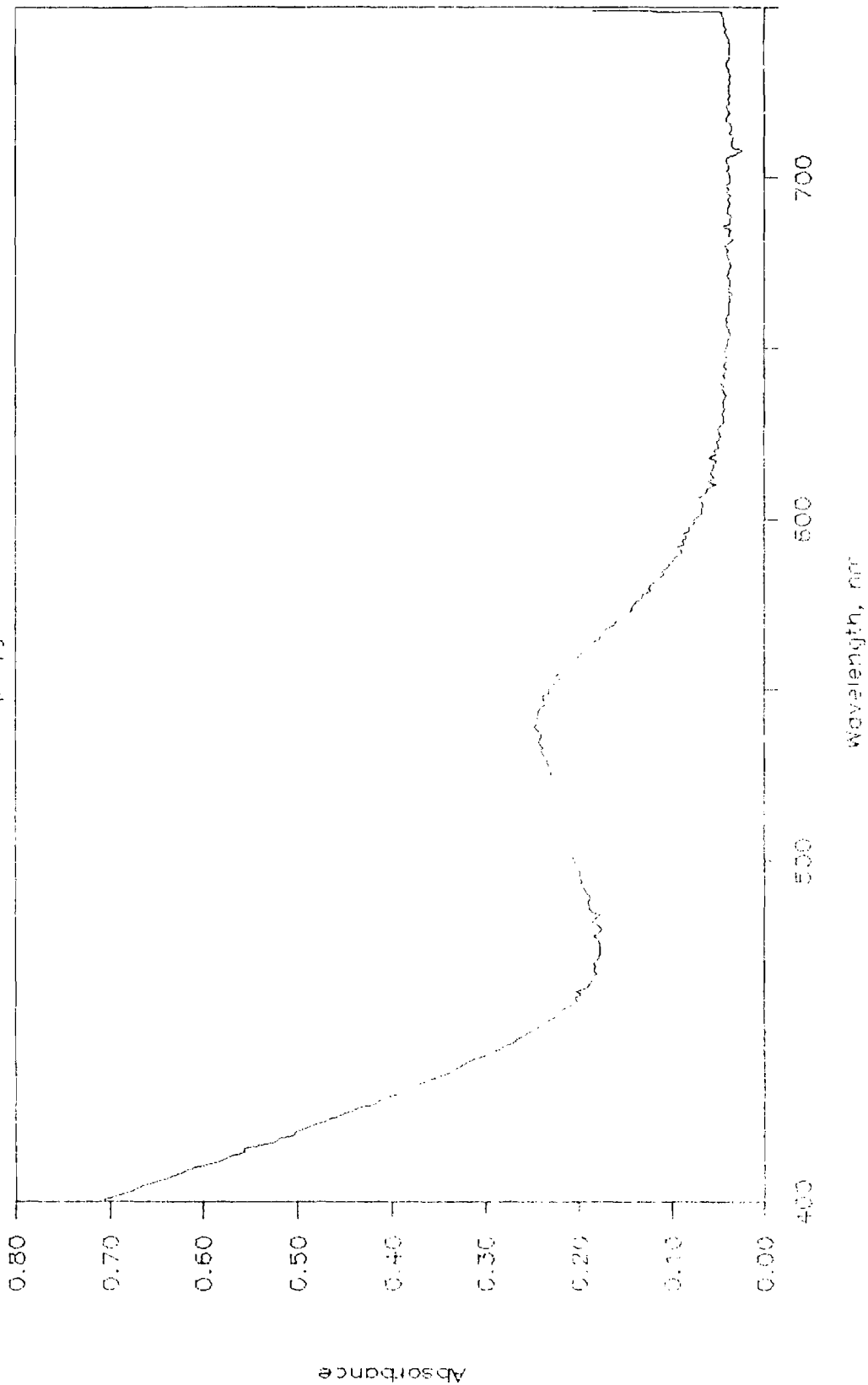


Figure 69.  
Visible Spectrum of  $\text{Co}^{3+}$   
in Isopropyl Alcohol



# Co+3B

in isopropyl alcohol

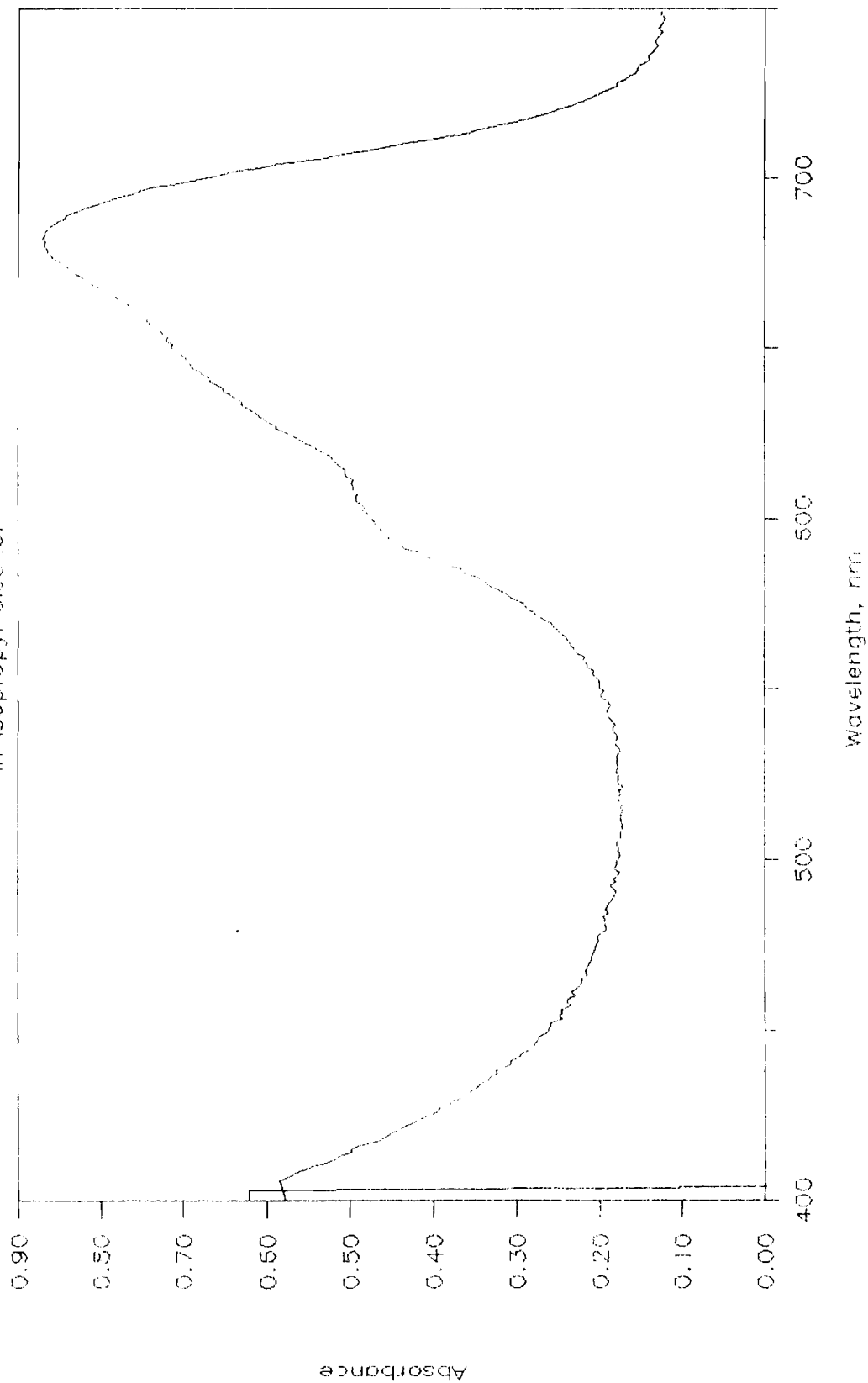


Figure 70.

Visible Spectrum of  $\text{Co}+3\text{Ga}$   
in Isopropyl Alcohol

# Co+3Ga

in isopropyl alcohol

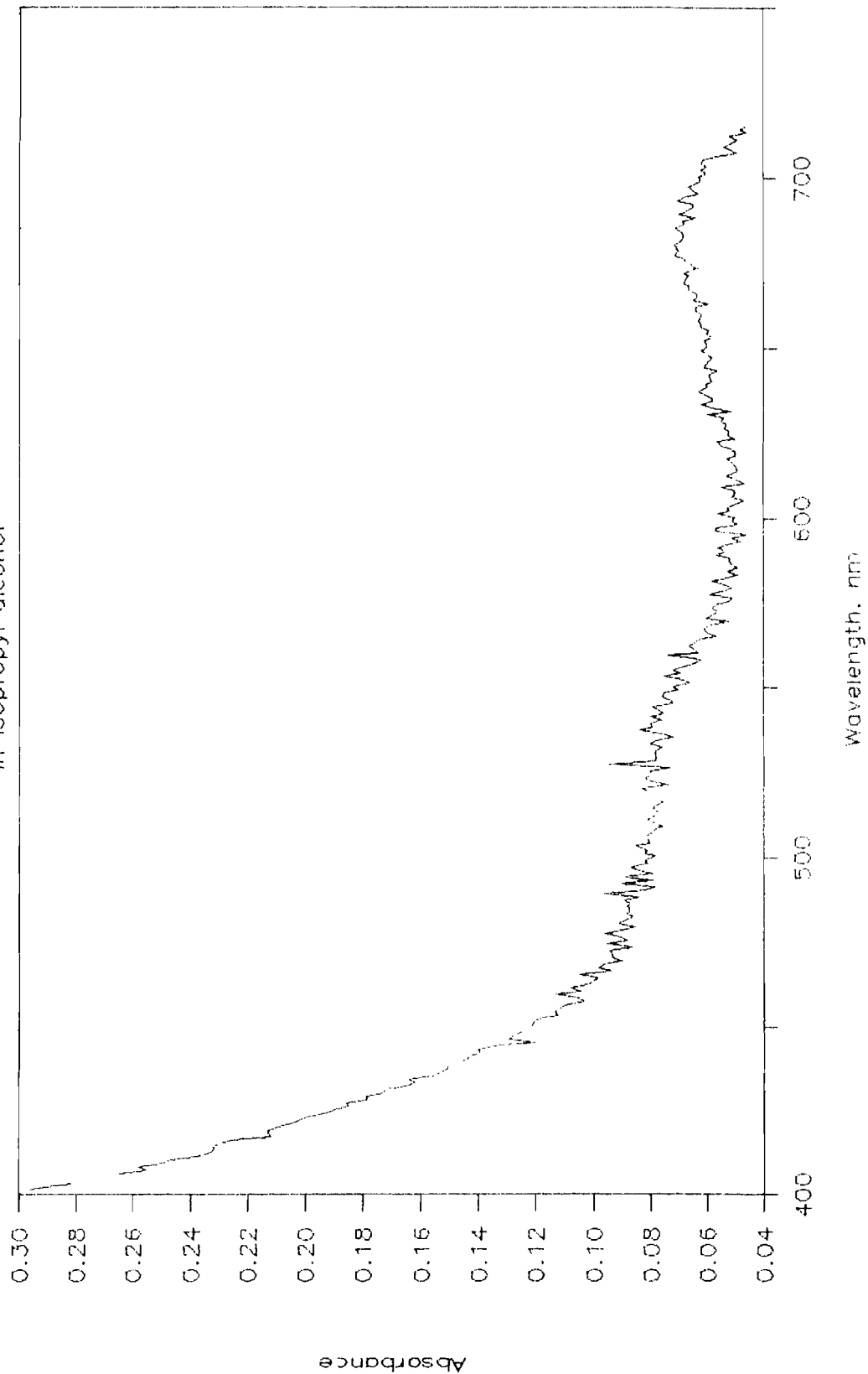


Figure 71.

Visible Spectrum of  $\text{Co}^{3+}\text{Zn}$   
in Isopropyl Alcohol

# Co+3Zn

in isopropyl alcohol

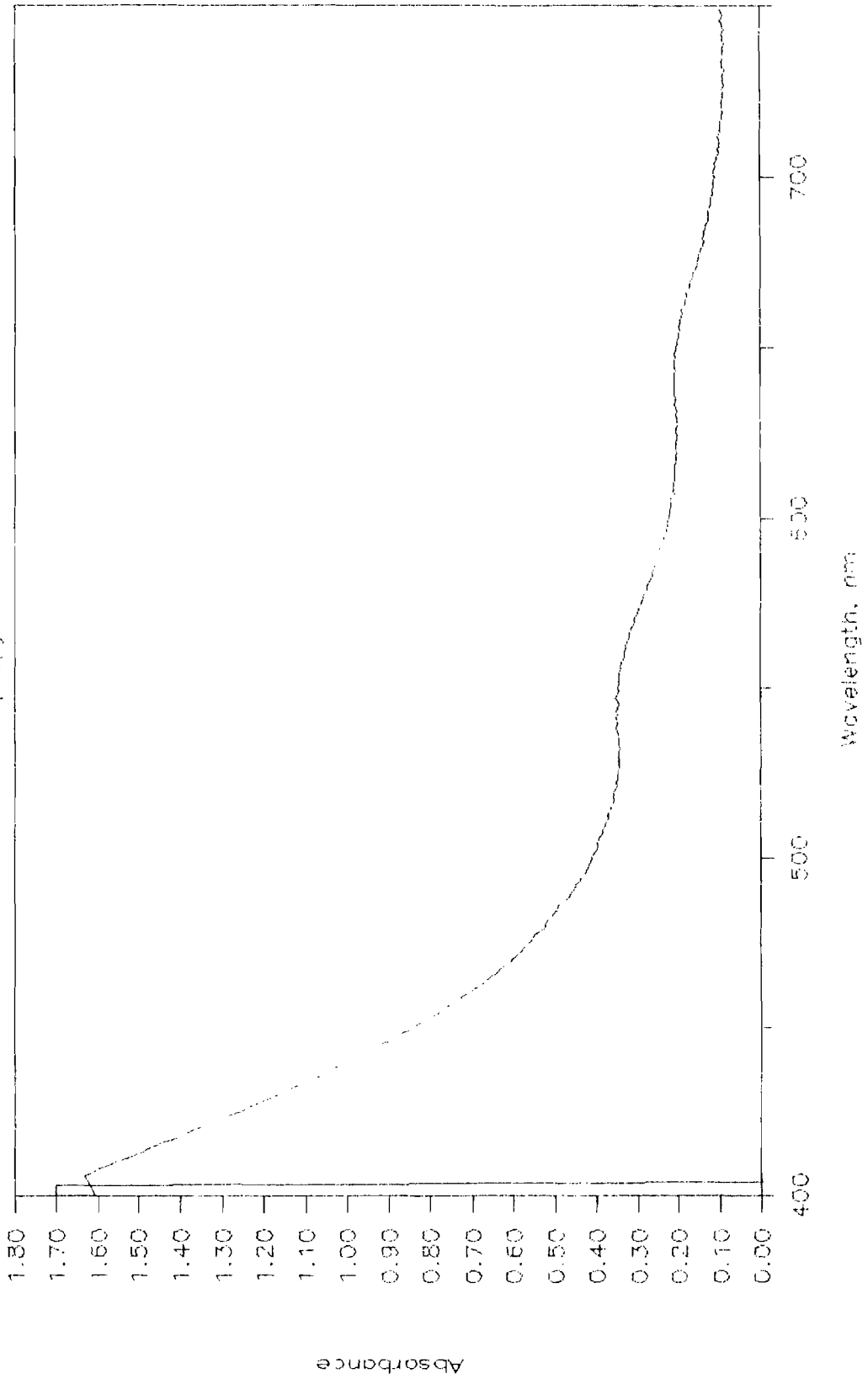


Figure 72.

Visible Spectrum of  $\text{Co}+2\text{Si}$   
in Tetrahydrofuran

Co+2Si  
in tetrahydrofuran

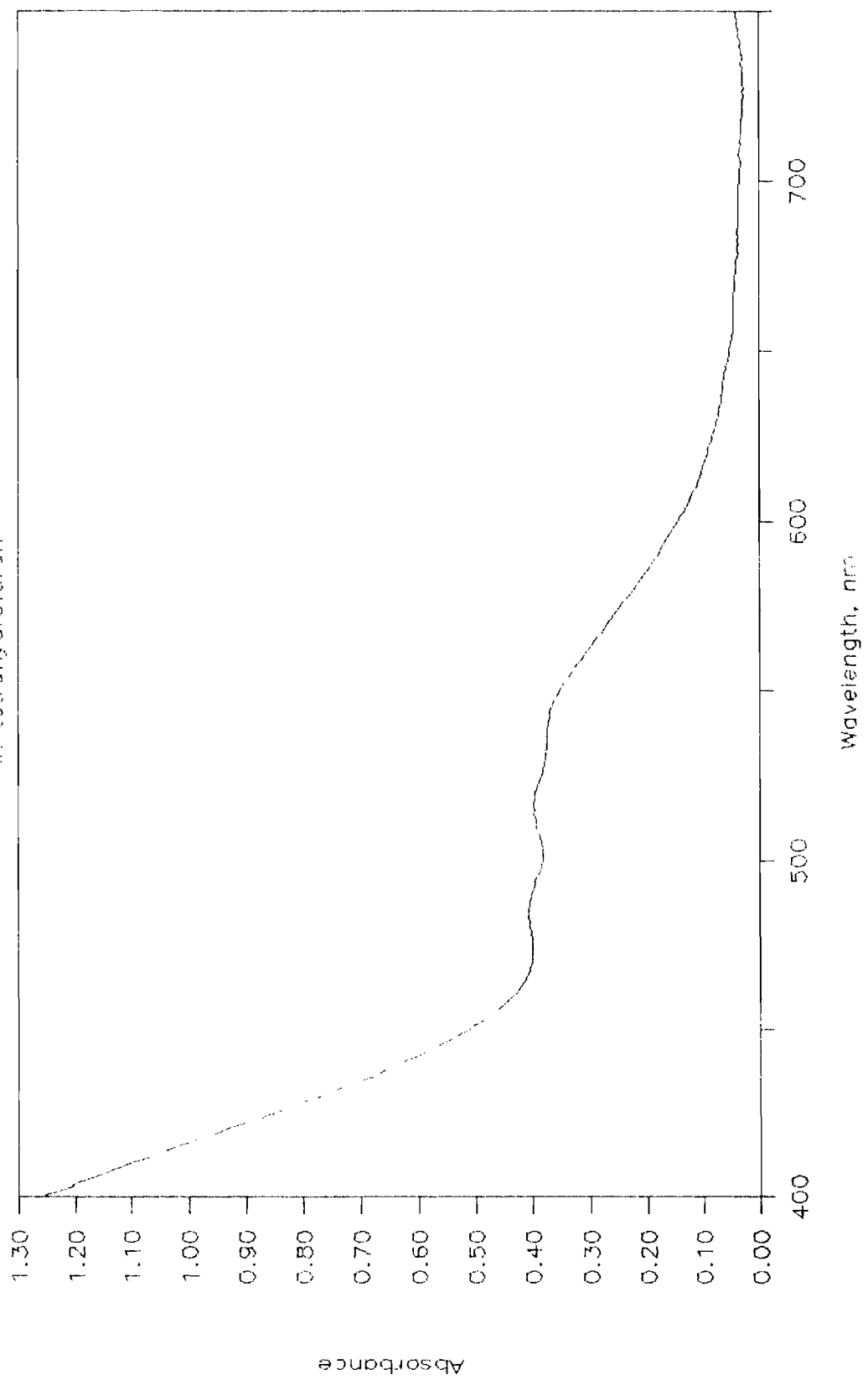


Figure 73.

Visible Spectrum of  $\text{Co}+2\text{Ge}$   
in Tetrahydrofuran



Co+2Ge  
in tetrahydrofuran

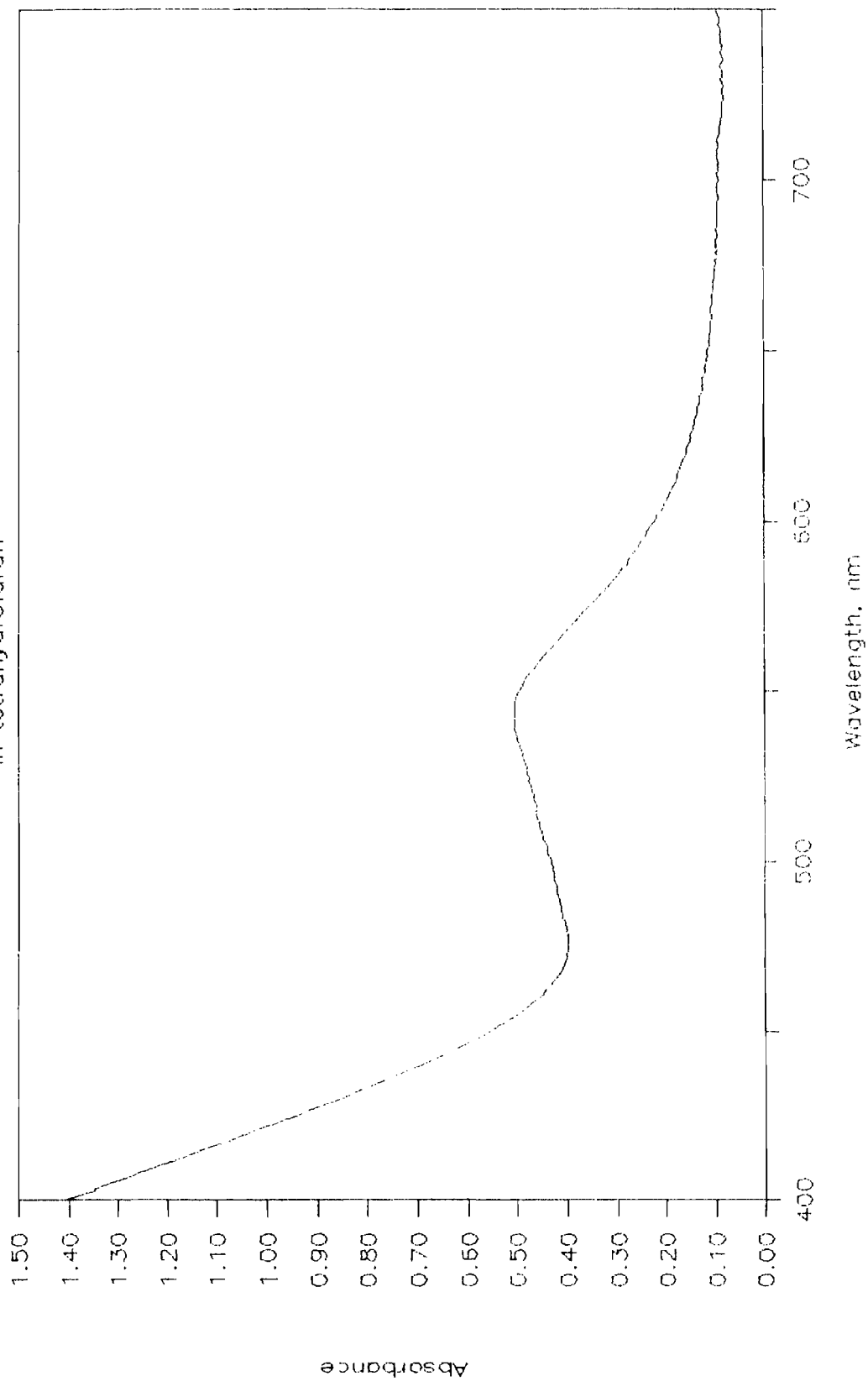


Figure 74.

Visible Spectrum of Co+3B  
in Tetrahydrofuran

# Co+3B

in tetrahydrofuran

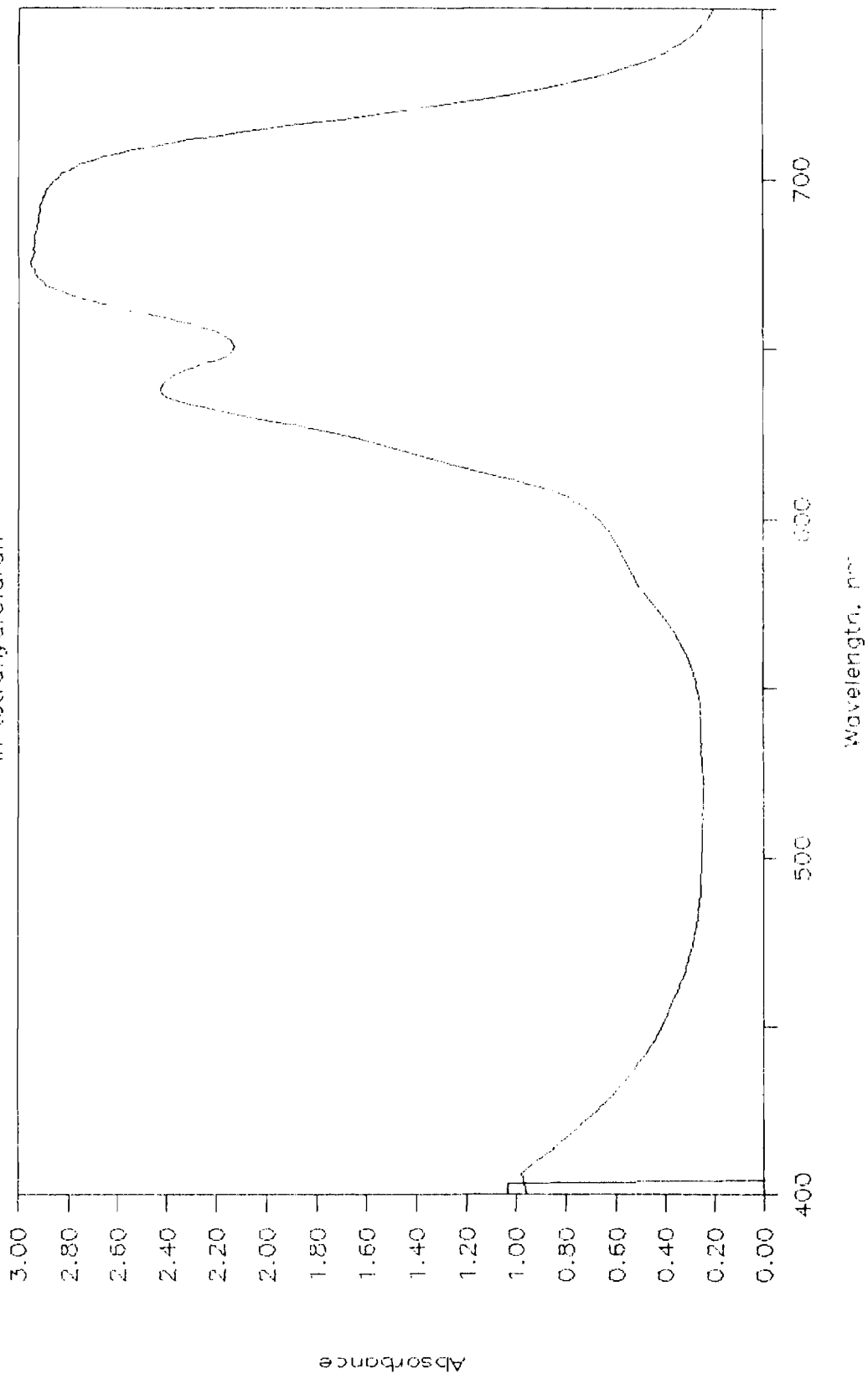


Figure 75.

Visible Spectrum of  $\text{Co}^{3+}$  in  
Tetrahydrofuran

CoT3Gd  
in tetrahydrofuran

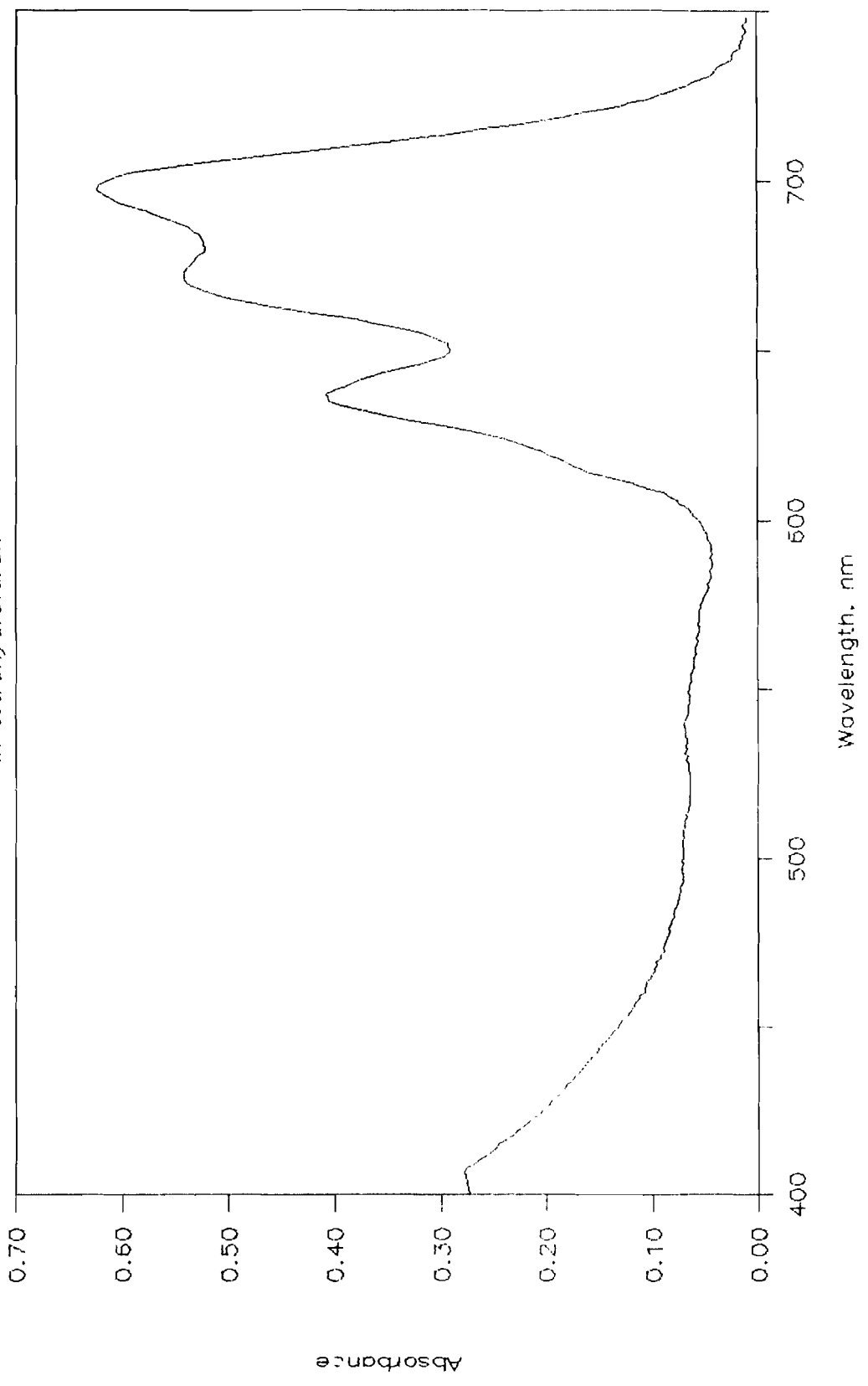


Figure 76.

Visible Spectrum of  $\text{Co}^{3+}$ Zn  
in Tetrahydrofuran

Co+3Zn  
in tetrahydrofuran

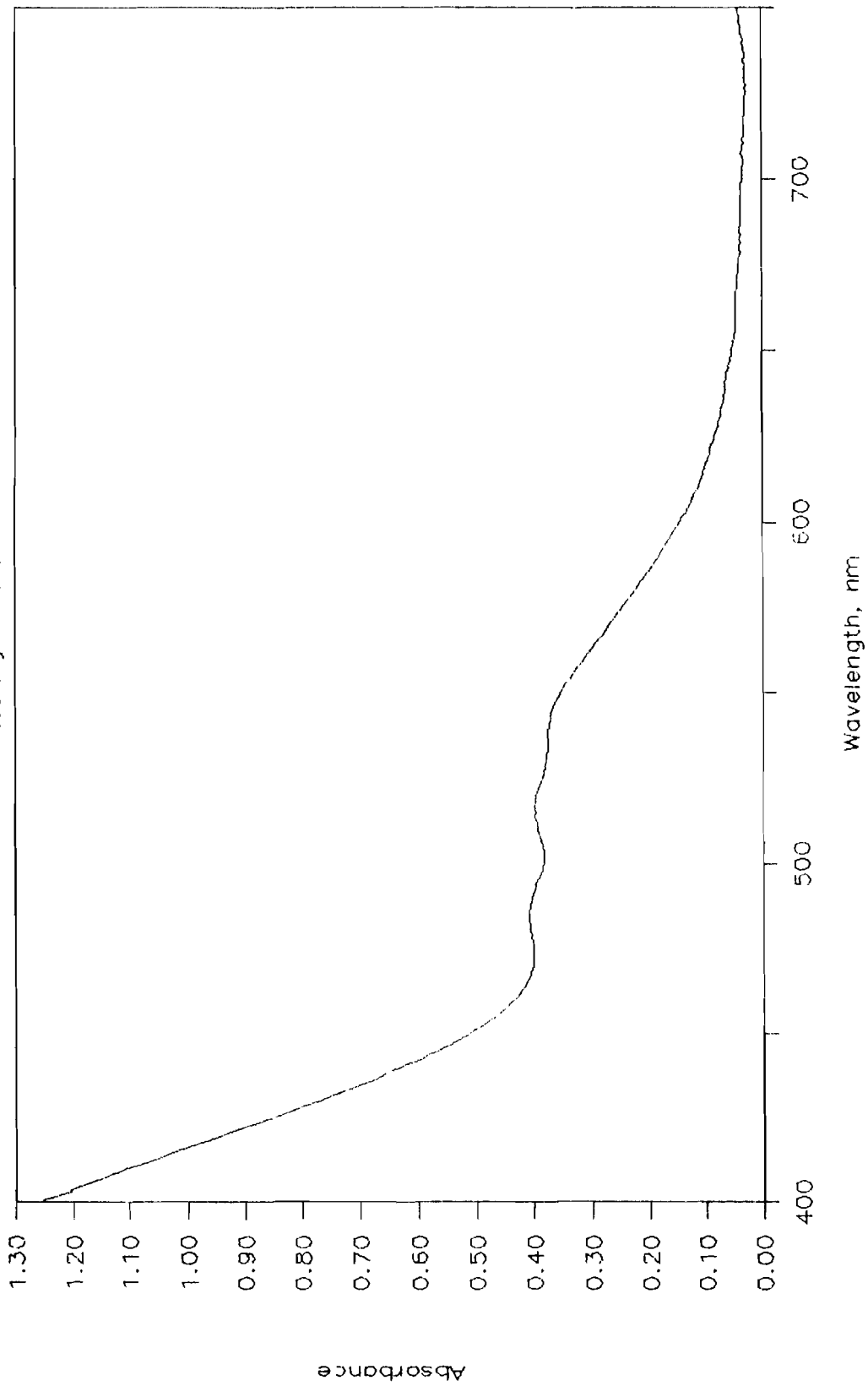


Figure 77.

Visible Spectrum of  $\text{Co}^{2+}$ Si  
in Acetonitrile



**CO<sub>2</sub>ZSI**  
in acetonitrile

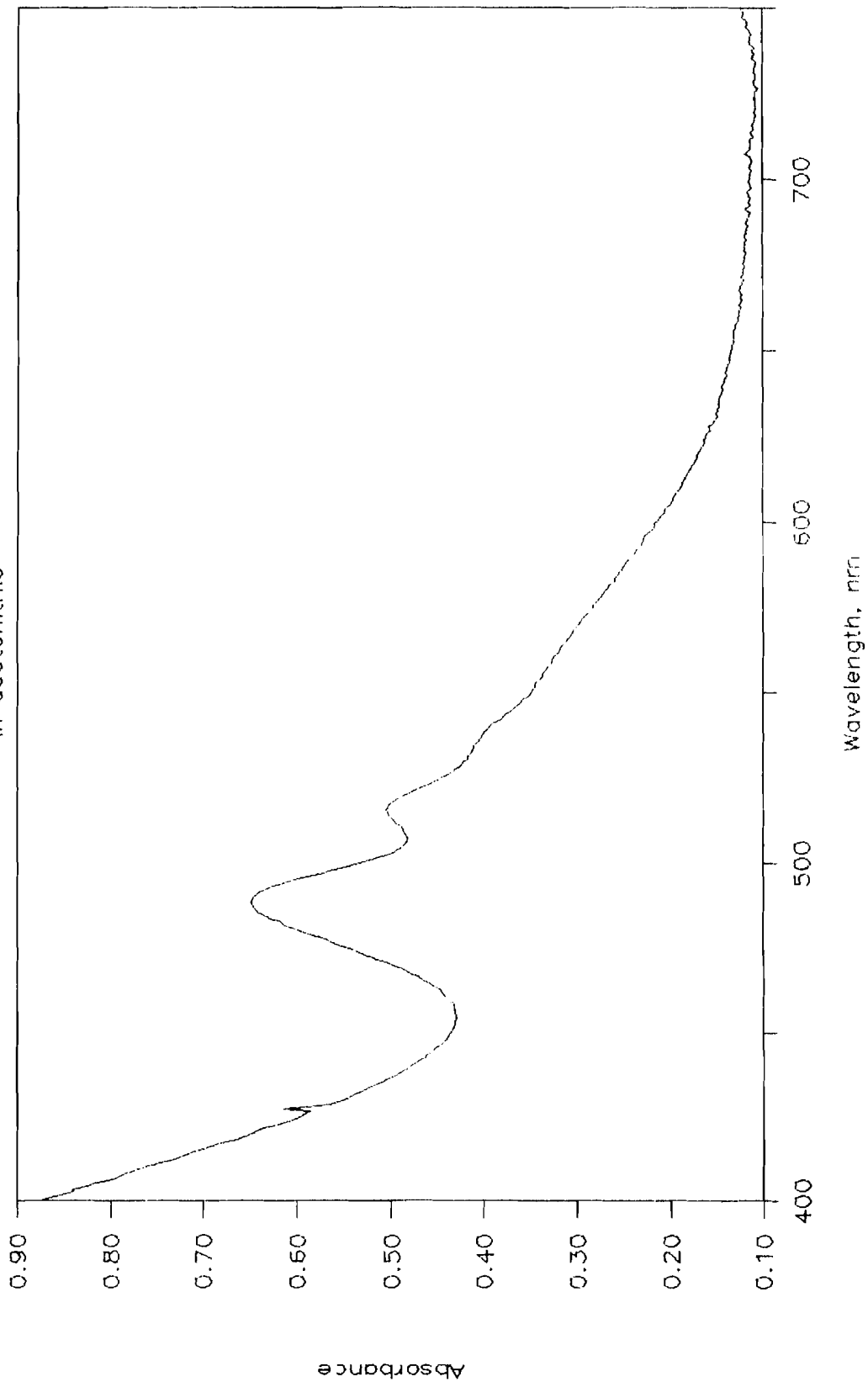


Figure 78.

Visible Spectrum of  $\text{Co}+2\text{Ge}$   
in Acetonitrile

Absorbance

Co+2Ge  
in acetonitrile

0.70  
0.60  
0.50  
0.40  
0.30  
0.20  
0.10

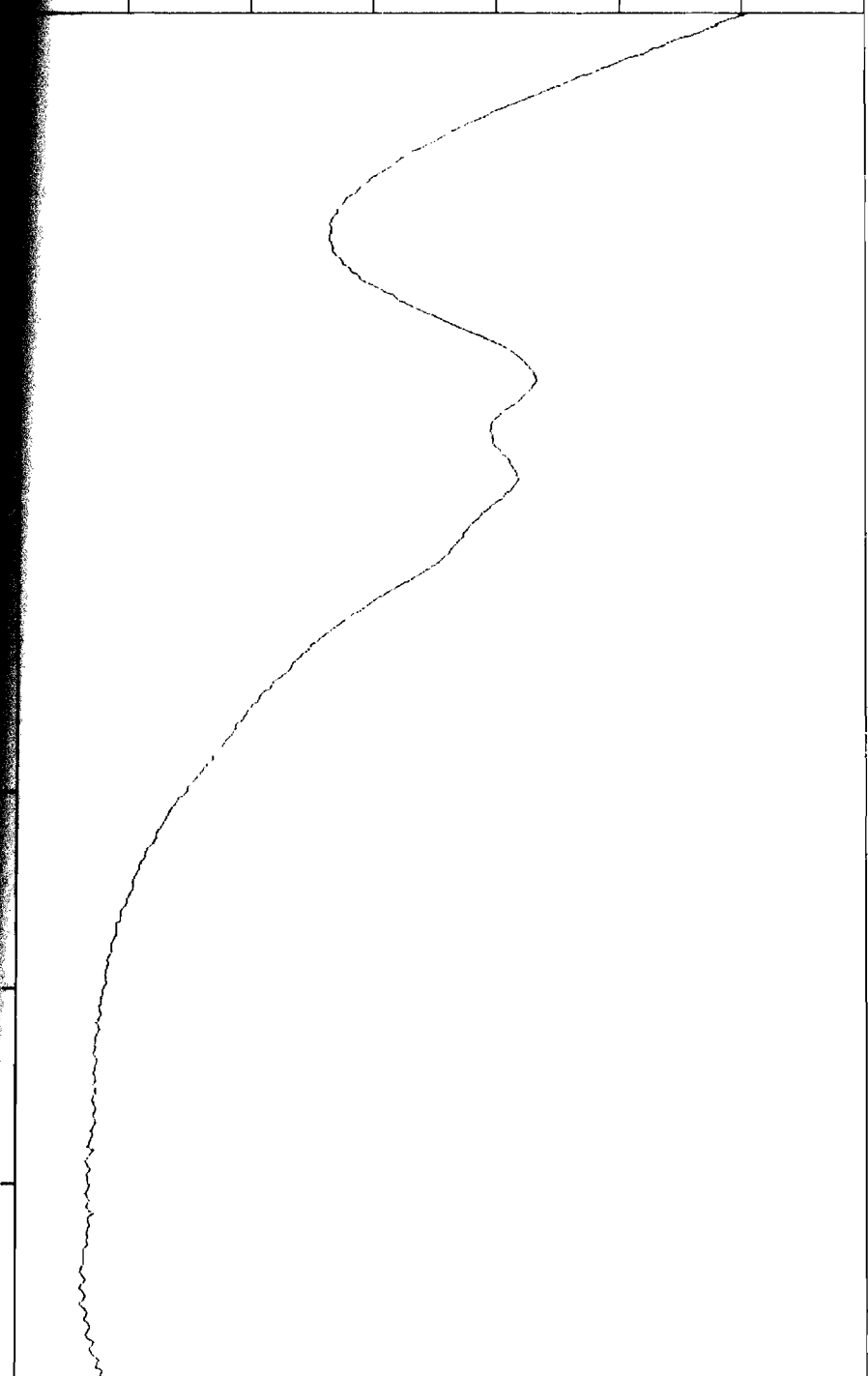


Figure 79.

Visible Spectrum of Co+3B  
in Acetonitrile

Co+3B  
in acetonitrile

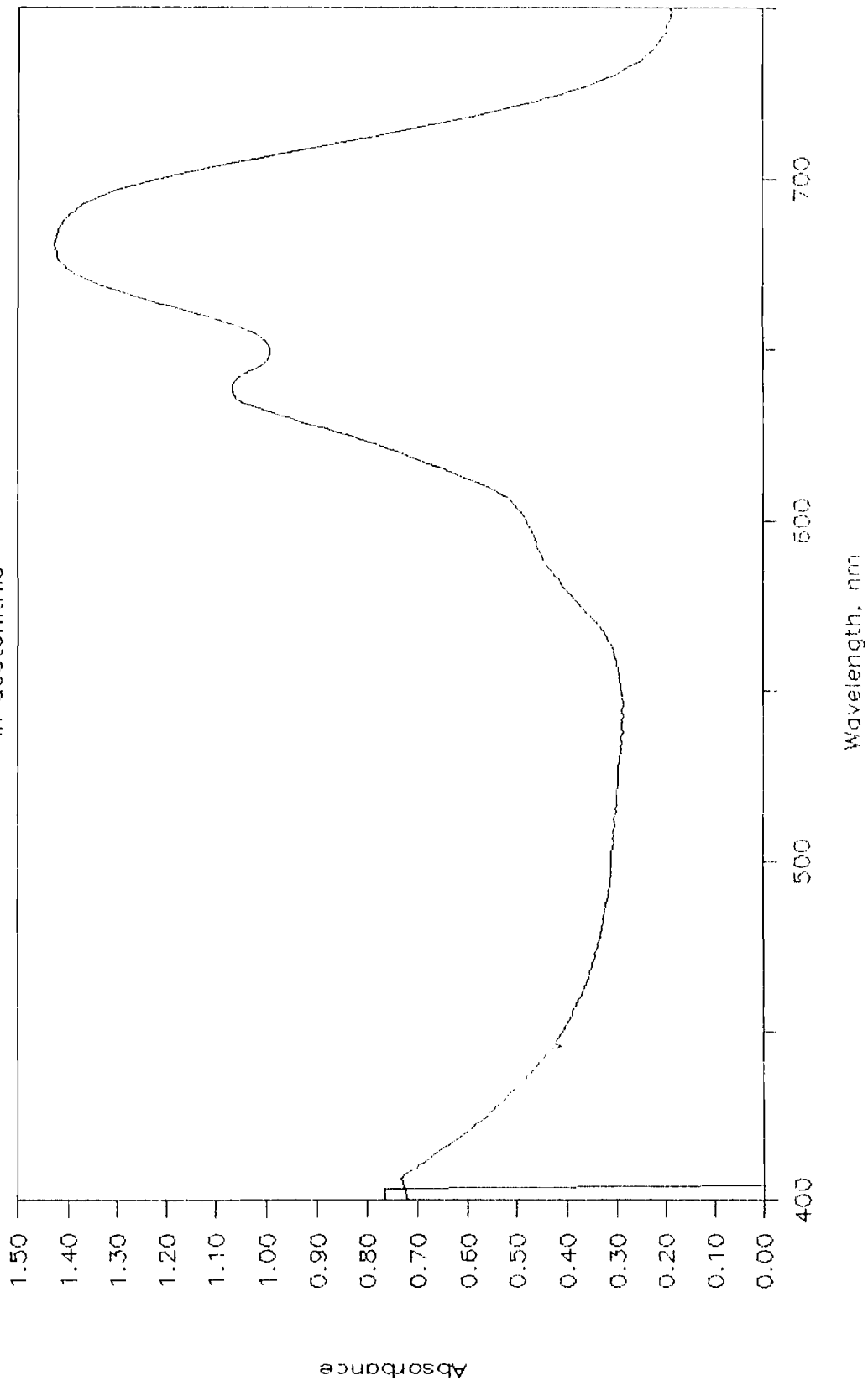


Figure 80.

Visible Spectrum of  $\text{Co}^{3+}$  in Acetonitrile

Co+3Ga  
in acetonitrile

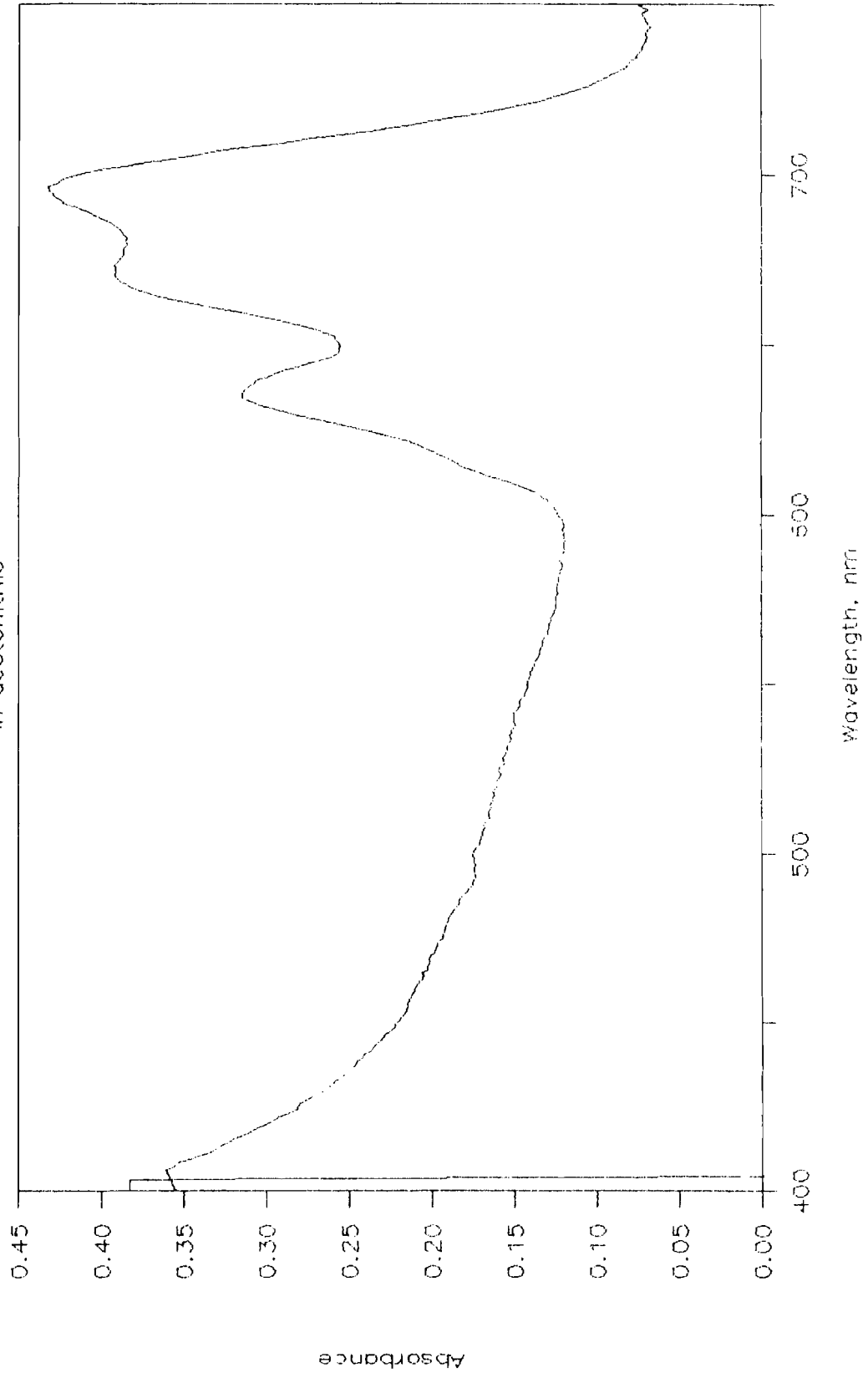


Figure 81.

Visible Spectrum of  $\text{Co}+3\text{Zn}$   
in Acetonitrile



Co+3Zn  
in acetonitrile

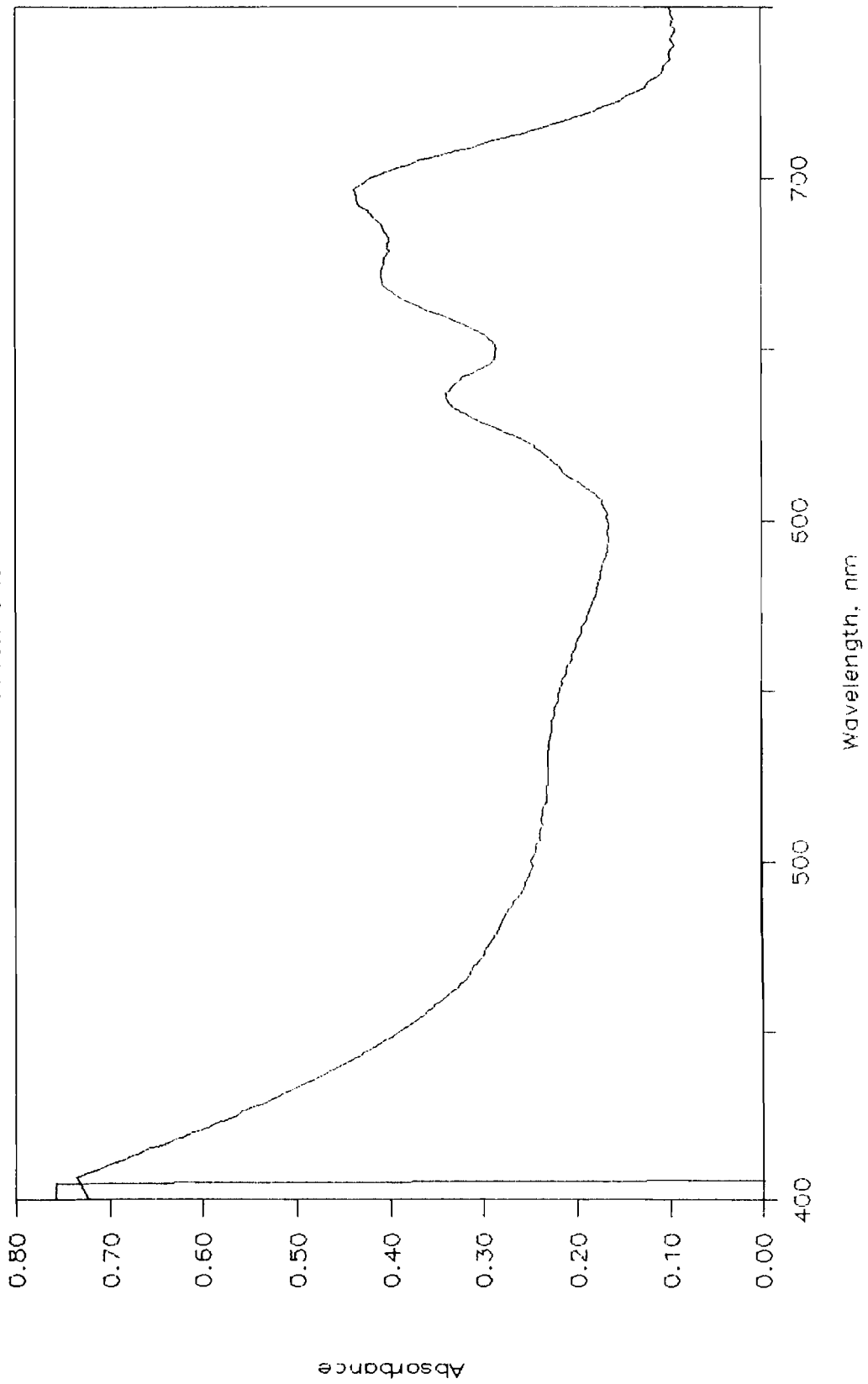


Figure 82.

UV Spectrum of Tetra-n-heptylammonium Bromide  
in Cyclohexane

**n-heptylammonium bromide**  
in Cyclohexane

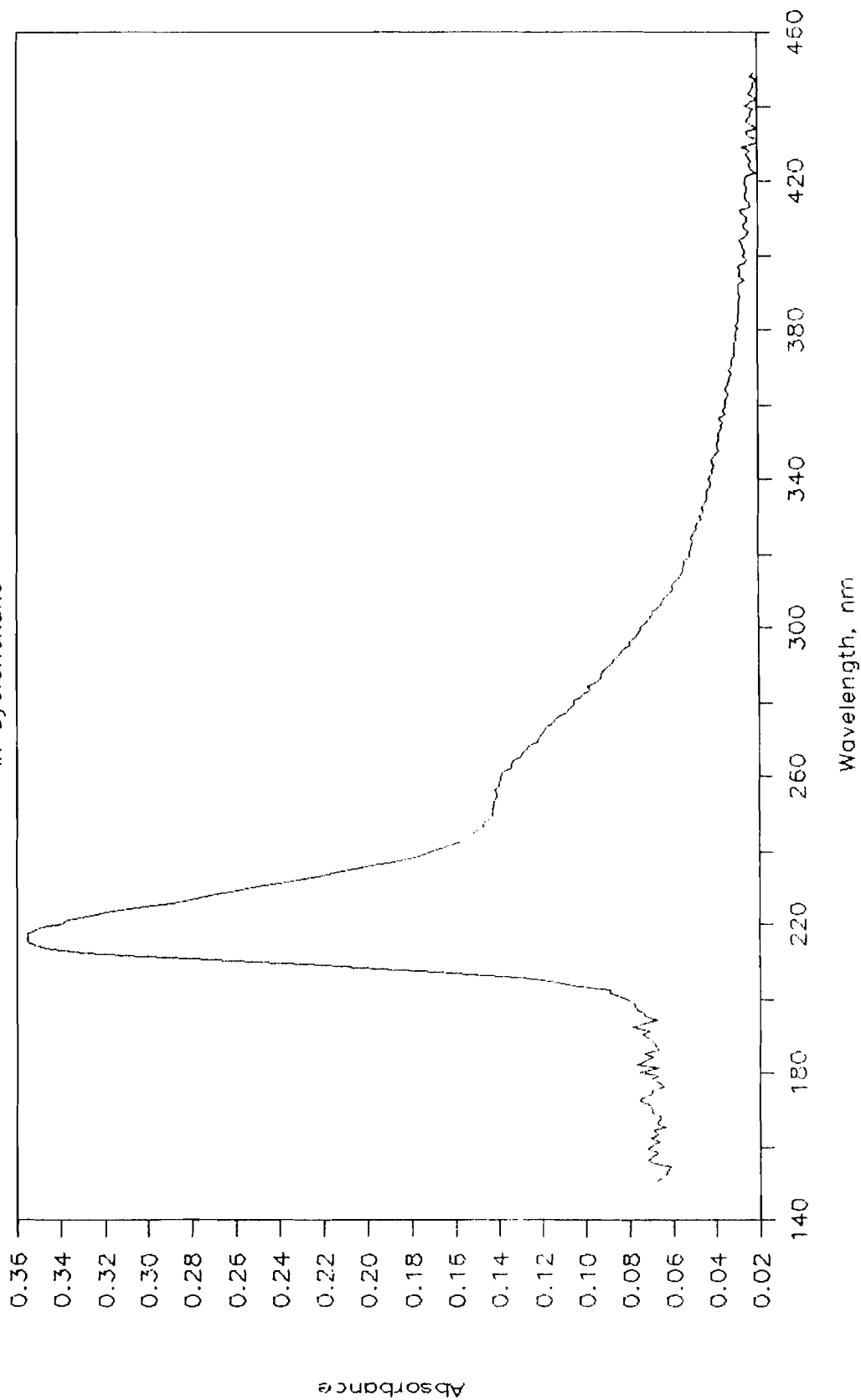


Figure 83.

UV Spectrum of Tetra-n-heptylammonium Bromide  
in Carbon Tetrachloride

# n-heptylammonium bromide

in carbon tetrachloride

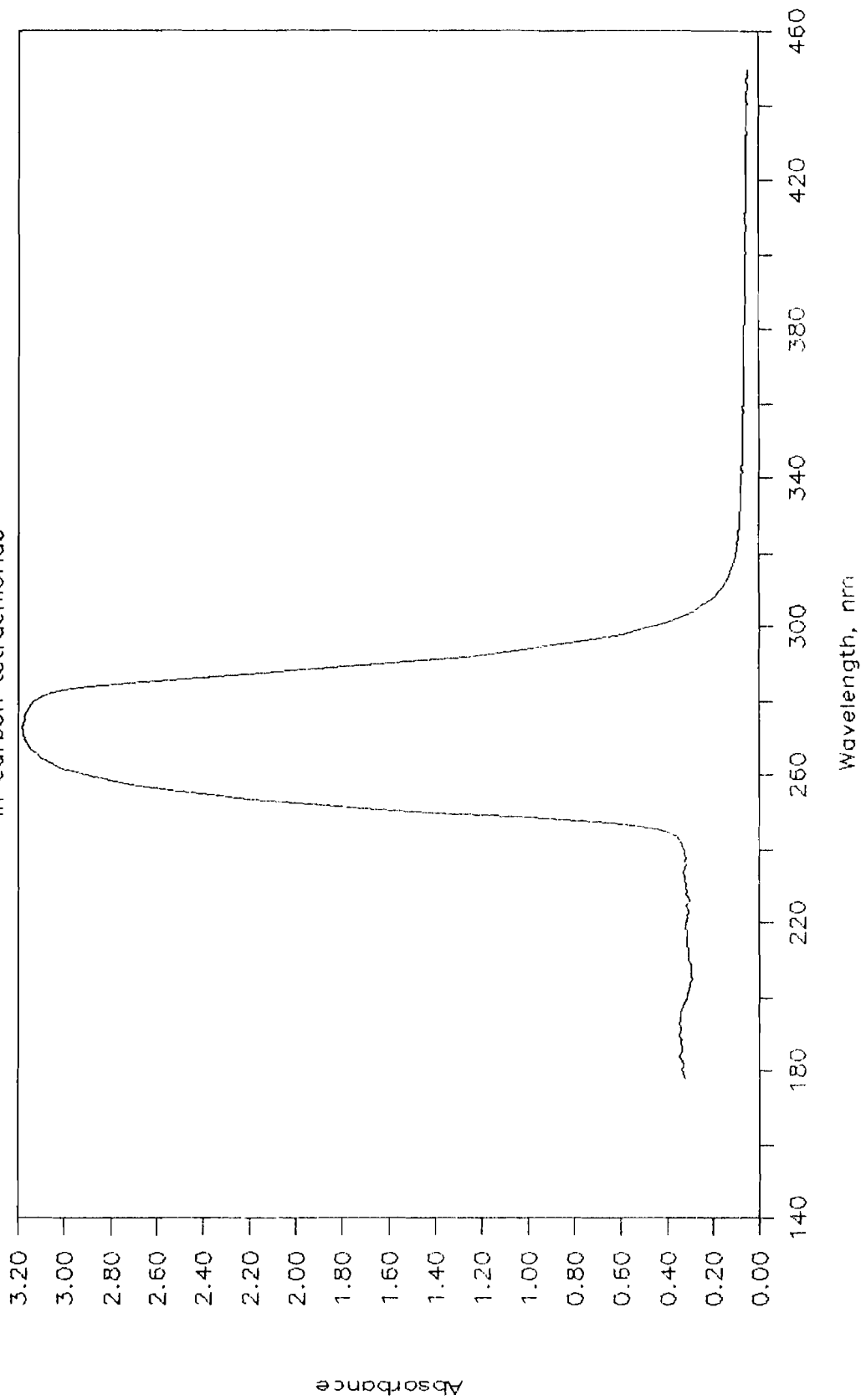


Figure 84.

UV Spectrum of Tetra-n-heptylammonium Bromide  
in Toluene

# n-heptylammonium bromide

in toluene

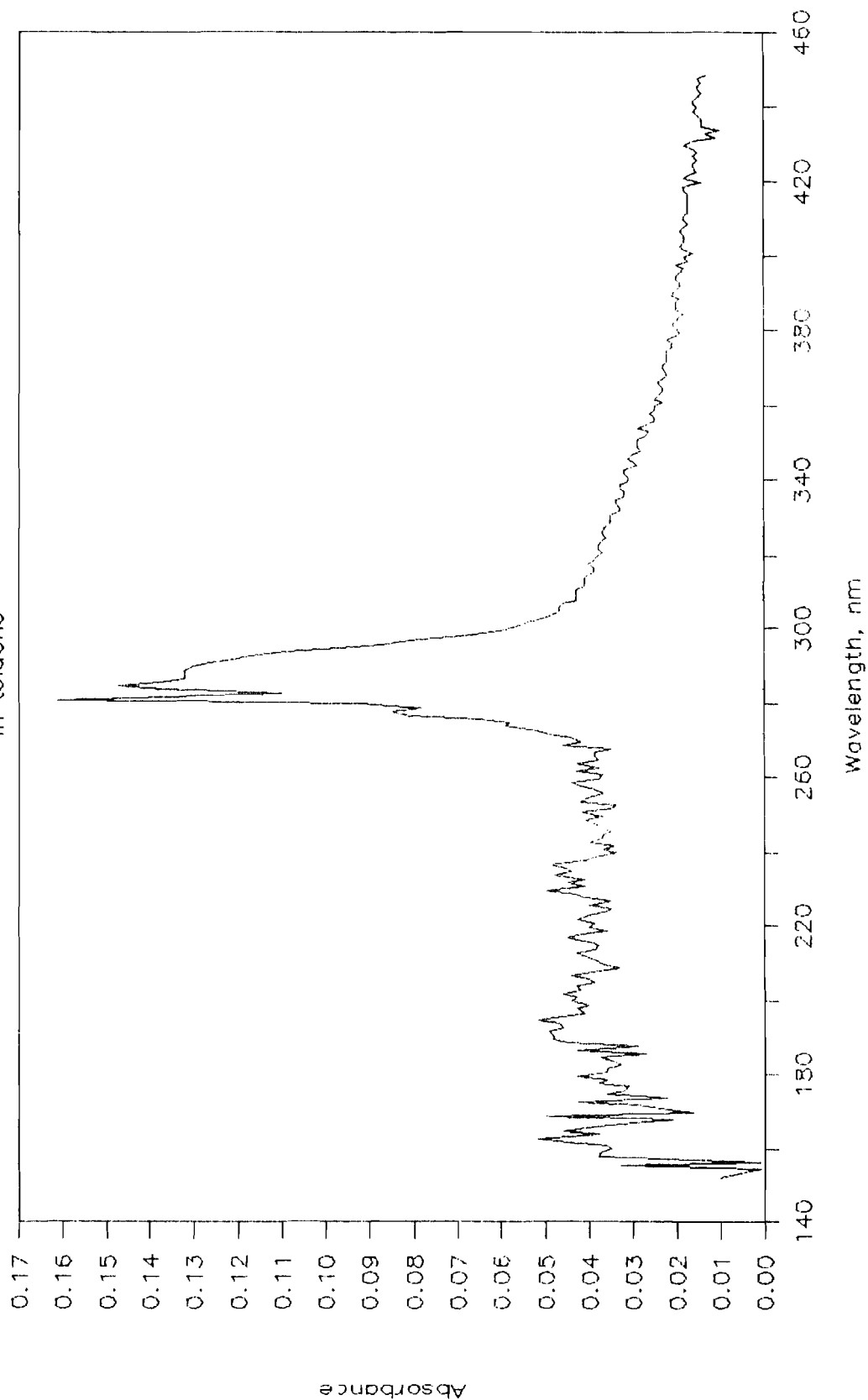


Figure 85.

UV Spectrum of Tetra-n-heptylammonium Bromide  
in Methylene Chloride



# n-heptylammonium bromide

in methylene chloride

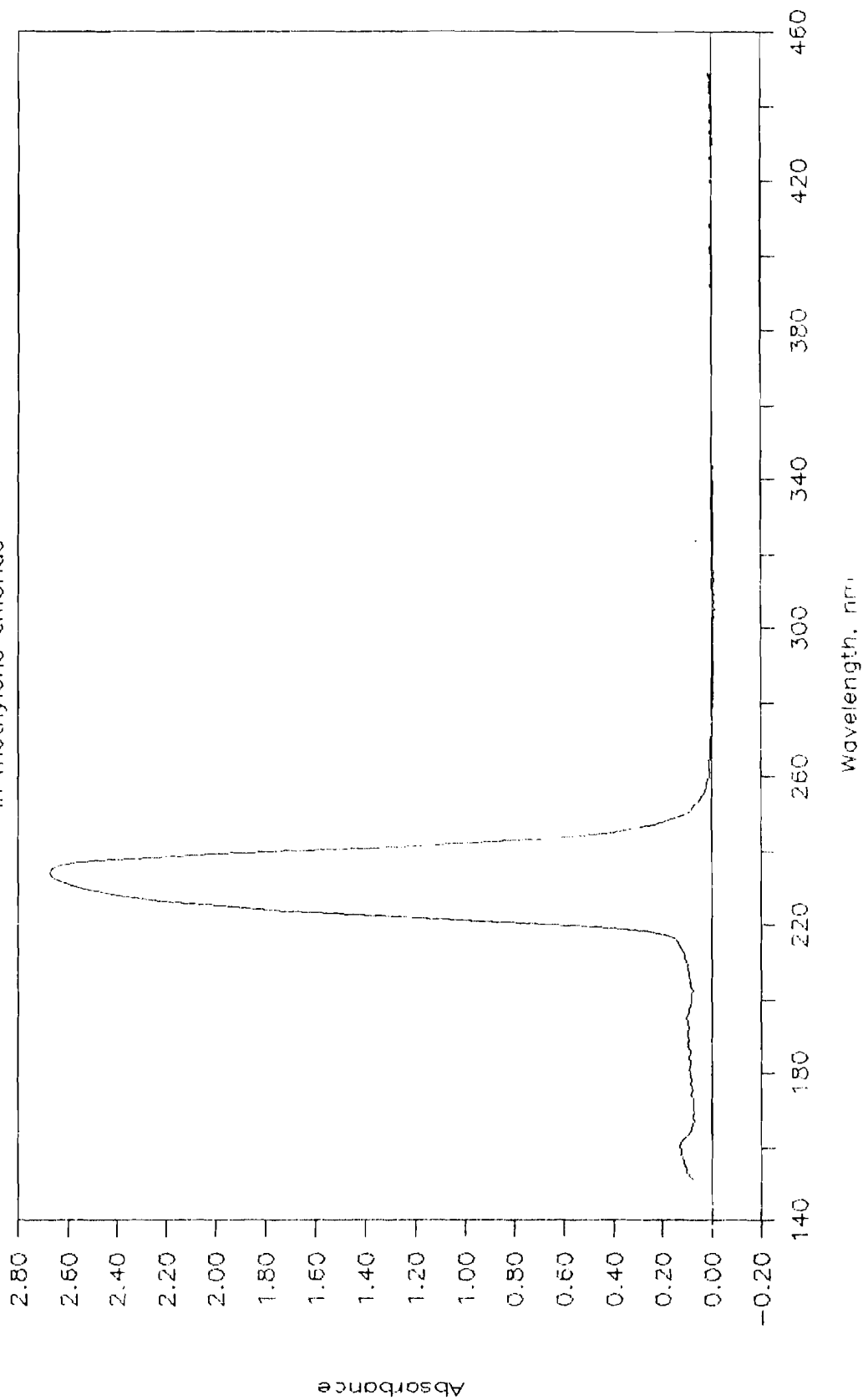


Figure 86.

UV Spectrum of Tetra-n-heptylammonium Bromide  
in Chloroform

# n-heptylammonium bromide

in chloroform

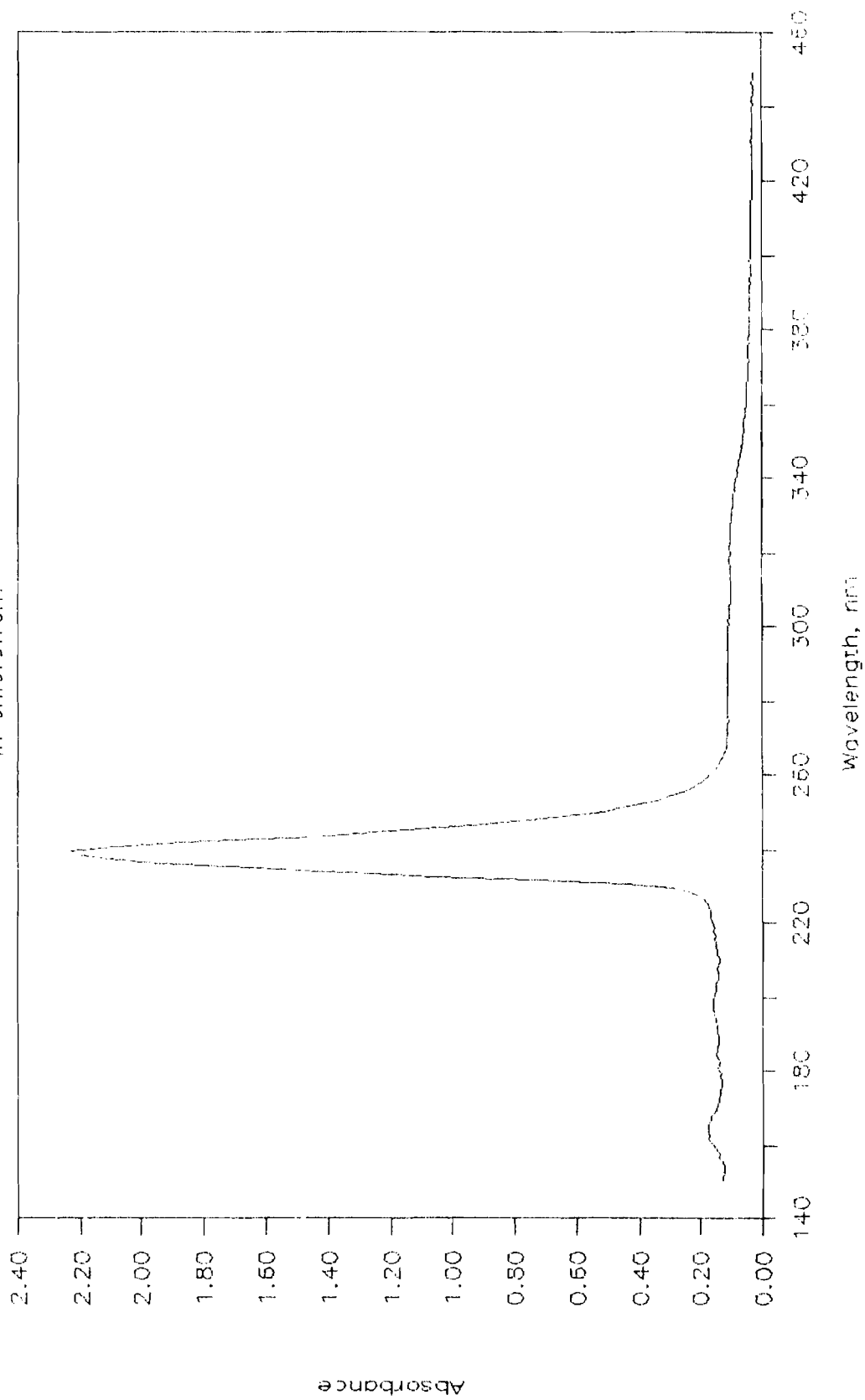


Figure 87.

UV Spectrum of Tetra-n-heptylammonium Bromide  
in Isopropyl Alcohol

n-heptylammonium bromide  
in isopropyl alcohol

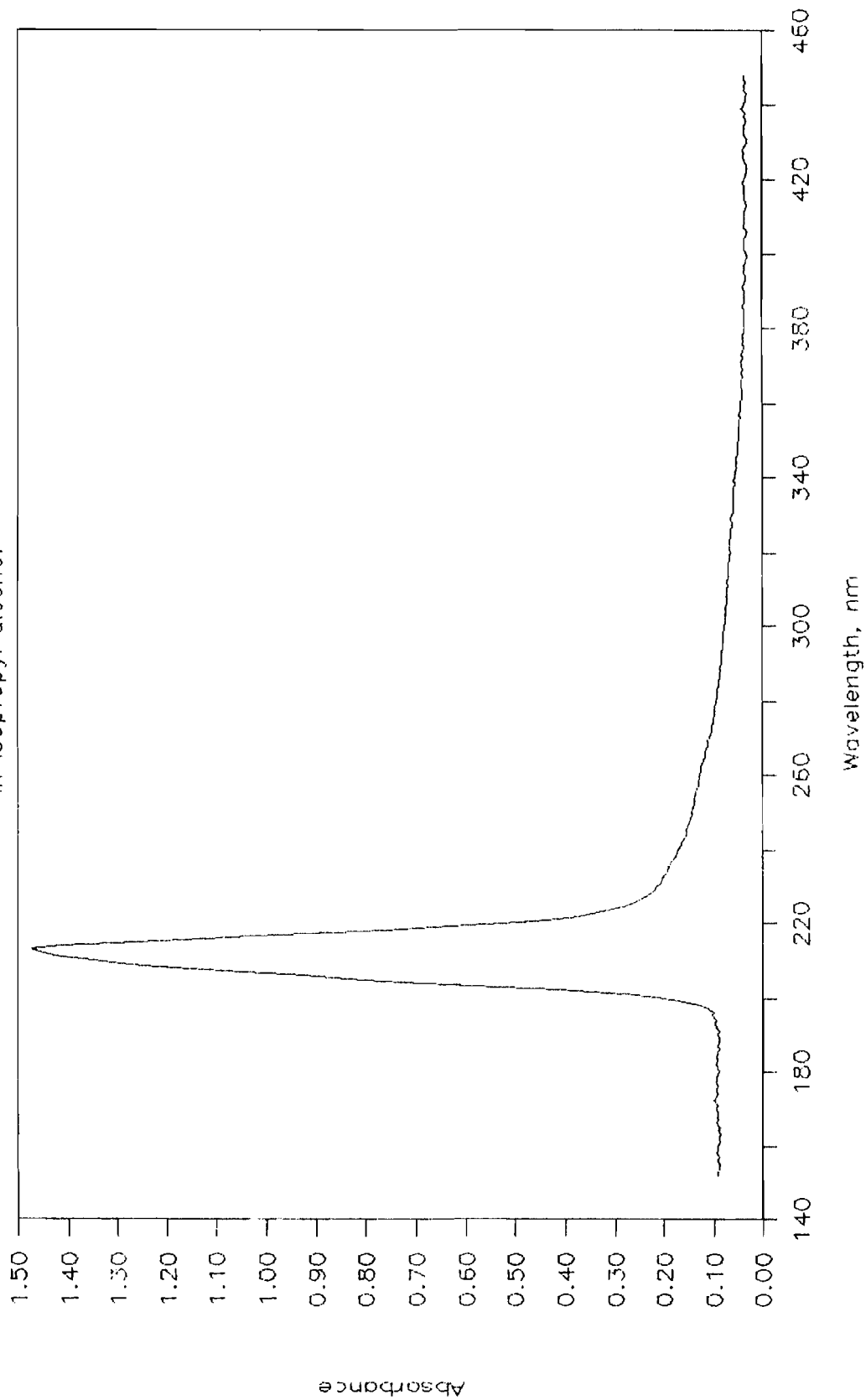


Figure 88.

UV Spectrum of Tetra-n-heptylammonium Bromide  
in Tetrahydrofuran

n-heptylammonium bromide  
in tetrahydrofuran

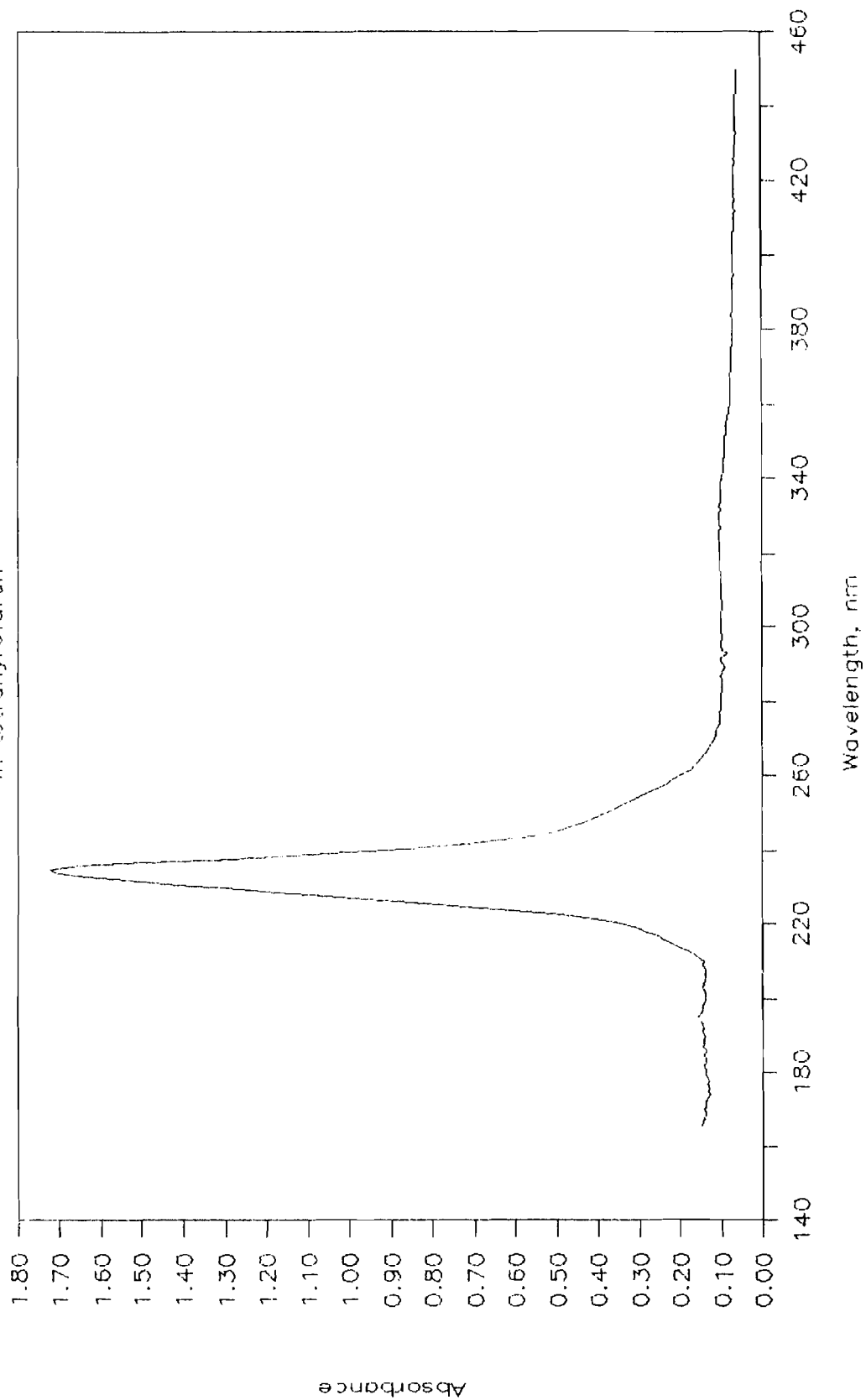
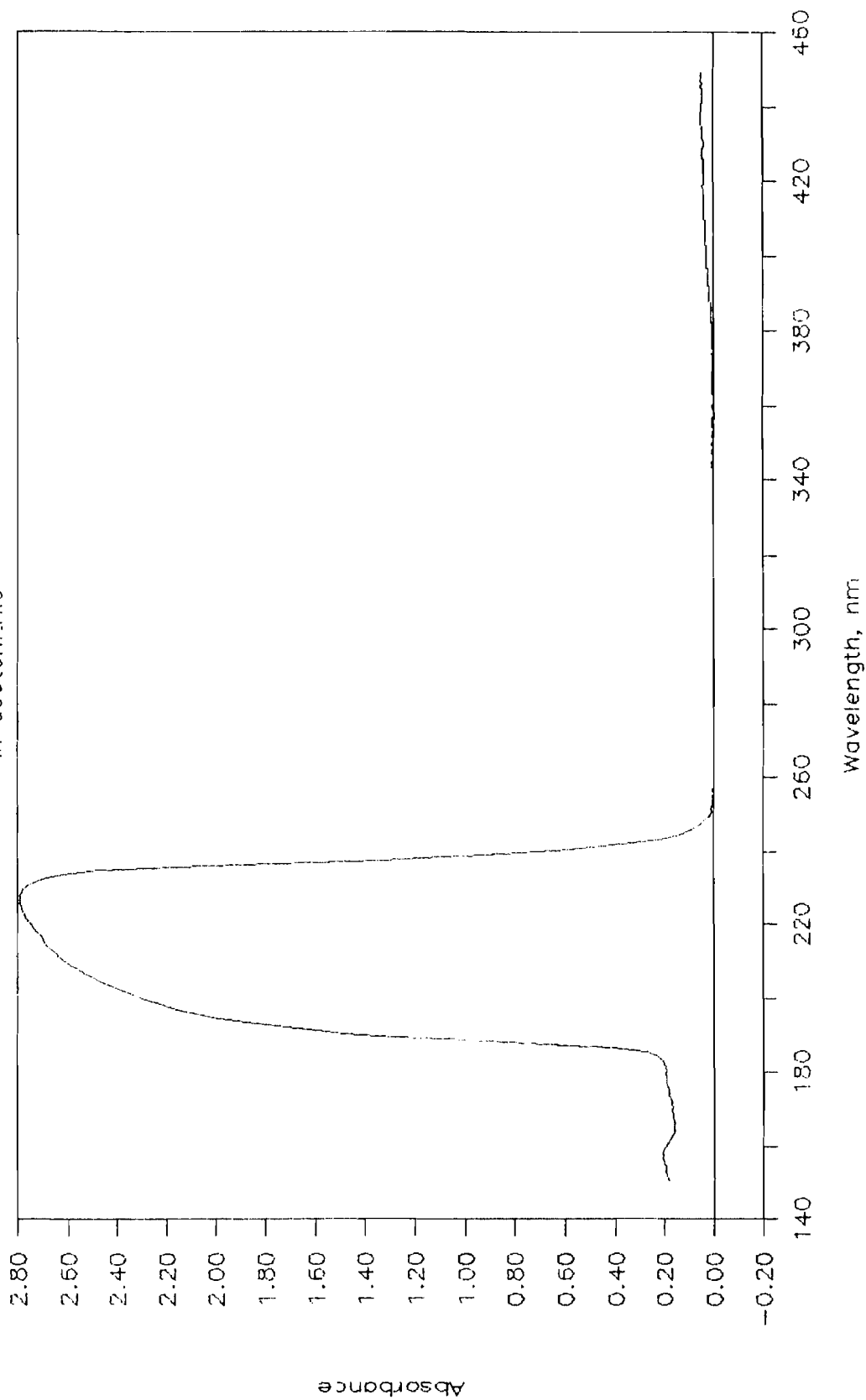


Figure 89.

UV Spectrum of Tetra-n-heptylammonium Bromide  
in Acetonitrile



n-heptylammonium bromide  
in acetonitrile



Appendix B - Tables

Table I

Absorbance Maxima and Absorptivity Values  
for Tetra-n-heptylammonium Heteropoly Compounds  
in Cyclohexane

Heteropoly salt	Conc. g/L	No. of peaks	lw1 nm	lw2 nm
Co+2 Si	0.74	2	246.95	277.45
Co+2 Ge	1.46	2	246.98	277.98
Co+3 B	0.41	2	215.79	260.79
Co+3 Ga	1.16	2	214.84	274.84
Co+3 Zn	6.35	2	244.70	268.71

Heteropoly salt	lw1 cm-1	lw2 cm-1	a1 g/(L cm)	a2 g/(L cm)
Co+2 Si	4.049E+01	3.604E+01	2.03E+01	2.06E+01
Co+2 Ge	4.049E+01	3.597E+01	1.05E+01	1.06E+01
Co+3 B	4.634E+01	3.835E+01	6.90E+00	3.30E+00
Co+3 Ga	4.655E+01	3.639E+01	1.67E+00	7.18E-01
Co+3 Zn	4.087E+01	3.722E+01	2.22E+00	2.08E+00

Table I

Absorbance Maxima and Absorptivity Values  
for Tetra-n-heptylammonium Heteropoly Compounds  
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Co+3 Zn	6.35	2	244.70	268.71

Heteropoly salt	lw1 cm-1	lw2 cm-1	a1 g/(L cm)	a2 g/(L cm)
Co+2 Si	4.049E+01	3.604E+01	2.03E+01	2.06E+01
Co+2 Ge	4.049E+01	3.597E+01	1.05E+01	1.06E+01
Co+3 B	4.634E+01	3.835E+01	6.90E+00	3.30E+00
Co+3 Ga	4.655E+01	3.639E+01	1.67E+00	7.18E-01
Co+3 Zn	4.087E+01	3.722E+01	2.22E+00	2.08E+00

Table II

Absorbance Maxima and Absorptivity Values  
for Tetra-n-heptylammonium Heteropoly Compounds  
in Carbon Tetrachloride

Heteropoly salt	Conc. g/L	No. of peaks	lw1 nm	lw2 nm
Co+2 Si	4.60	1	275.07	---
Co+2 Ge	6.05	2	273.47	269.97
Co+3 B	5.04	2	271.75	275.75
Co+3 Ga	6.05	2	272.67	275.18
Co+3 Zn	4.30	2	270.99	276.99

Heteropoly salt	lw1 cm-1	lw2 cm-1	a1 g/(L cm)	a2 g/(L cm)
Co+2 Si	3.635E+01	---	3.88E+00	---
Co+2 Ge	3.657E+01	3.704E+01	2.93E+00	2.93E+00
Co+3 B	3.680E+01	3.627E+01	3.29E+00	3.30E+00
Co+3 Ga	3.667E+01	3.634E+01	2.84E+00	2.84E+00
Co+3 Zn	3.690E+01	3.610E+01	4.22E+00	4.22E+00

Table III

Absorbance Maxima and Absorptivity Values  
for Tetra-n-heptylammonium Heteropoly Compounds  
in Toluene

Heteropoly salt	Conc. g/L	No. of peaks	lw1 nm	lw2 nm
Co+2 Si	4.84	1	288.33	---
Co+2 Ge	8.89	2	284.40	295.90
Co+3 B	4.35	1	284.51	---
Co+3 Ga	6.14	2	204.45	283.45
Co+3 Zn	0.82	2	262.31	284.31

Heteropoly salt	lw1 cm-1	lw2 cm-1	a1 g/(L cm)	a2 g/(L cm)
Co+2 Si	3.468E+01	---	3.06E+00	---
Co+2 Ge	3.516E+01	3.380E+01	1.63E+00	1.81E+00
Co+3 B	3.515E+01	---	2.71E+00	---
Co+3 Ga	4.891E+01	3.528E+01	2.09E-01	1.59E+00
Co+3 Zn	3.812E+01	3.517E+01	1.52E+00	1.33E+01

Table IV

Absorbance Maxima and Absorptivity Values  
for Tetra-n-heptylammonium Heteropoly Compounds  
in Methylene chloride

Heteropoly salt	Conc. g/L	No. of peaks	lw1 nm	lw2 nm
Co+2 Si	2.49	2	232.00	256.00
Co+2 Ge	1.98	2	229.06	260.05
Co+3 B	1.82	2	228.16	249.66
Co+3 Ga	1.77	2	226.78	261.78
Co+3 Zn	1.37	2	227.92	257.93

Heteropoly salt	lw1 cm-1	lw2 cm-1	a1 g/(L cm)	a2 g/(L cm)
Co+2 Si	4.310E+04	3.906E+04	6.06E+00	6.59E+00
Co+2 Ge	4.366E+04	3.845E+04	7.02E+00	7.26E+00
Co+3 B	4.383E+04	4.005E+04	7.57E+00	4.05E+00
Co+3 Ga	4.410E+04	3.820E+04	6.91E+00	2.27E+00
Co+3 Zn	4.388E+04	3.877E+04	9.59E+00	4.91E+00

Table V

Absorbance Maxima and Absorptivity Values  
for Tetra-n-heptylammonium Heteropoly Compounds  
in Chloroform

Heteropoly salt	Conc. g/L	No. of peaks	lw1 nm	lw2 nm
Co+2 Si	4.04	2	256.38	274.38
Co+2 Ge	5.34	2	259.50	267.50
Co+3 B	1.60	2	236.59	253.58
Co+3 Ga	5.19	2	243.11	262.11
Co+3 Zn	3.09	2	246.47	255.47

Heteropoly salt	lw1 cm-1	lw2 cm-1	a1 g/(L cm)	a2 g/(L cm)
Co+2 Si	3.901E+01	3.645E+01	4.50E+00	4.31E+00
Co+2 Ge	3.854E+01	3.738E+01	3.48E+00	3.44E+00
Co+3 B	4.227E+01	3.944E+01	5.59E+00	4.42E+00
Co+3 Ga	4.113E+01	3.815E+01	2.88E+00	2.58E+00
Co+3 Zn	4.057E+01	3.914E+01	5.48E+00	5.39E+00

Table VI

Absorbance Maxima and Absorptivity Values  
for Tetra-n-heptylammonium Heteropoly Compounds  
in Isopropyl alcohol

Heteropoly salt	Conc. g/L	No. of peaks	lw1 nm	lw2 nm
Co+2 Si	2.91	2	228.23	256.23
Co+2 Ge	7.01	2	256.07	259.07
Co+3 B	3.11	2	221.32	256.32
Co+3 Ga	4.52	2	227.79	262.29
Co+3 Zn	3.71	2	241.34	266.34

Heteropoly salt	lw1 cm-1	lw2 cm-1	a1 g/(L cm)	a2 g/(L cm)
Co+2 Si	4.382E+01	3.903E+01	4.72E+00	5.32E+00
Co+2 Ge	3.905E+01	3.860E+01	2.40E+00	2.40E+00
Co+3 B	4.518E+01	3.901E+01	3.45E+00	3.27E+00
Co+3 Ga	4.390E+01	3.813E+01	3.04E+00	2.17E+00
Co+3 Zn	4.144E+01	3.755E+01	4.15E+00	3.90E+00



Table VII

Absorbance Maxima and Absorptivity Values  
for Tetra-n-heptylammonium Heteropoly Compounds  
in Tetrahydrofuran

Heteropoly salt	Conc. g/L	No. of peaks	lw1 nm	lw2 nm
Co+2 Si	2.63	2	247.11	249.11
Co+2 Ge	5.92	2	248.52	290.52
Co+3 B	5.70	2	247.75	252.75
Co+3 Ga	10.20	2	247.20	289.20
Co+3 Zn	2.29	2	240.44	273.44

Heteropoly salt	lw1 cm-1	lw2 cm-1	a1 g/(L cm)	a2 g/(L cm)
Co+2 Si	4.047E+01	4.014E+01	6.43E+00	6.44E+00
Co+2 Ge	4.024E+01	3.442E+01	2.99E+00	2.53E+00
Co+3 B	4.036E+01	3.957E+01	2.88E+00	2.87E+00
Co+3 Ga	4.045E+01	3.458E+01	1.74E+00	1.24E+00
Co+3 Zn	4.159E+01	3.657E+01	6.21E+00	4.61E+00

Table VIII

Absorbance Maxima and Absorptivity Values  
for Tetra-n-heptylammonium Heteropoly Compounds  
in Acetonitrile

Heteropoly salt	Conc. g/L	No. of peaks	lw1 nm	lw2 nm
Co+2 Si	2.68	2	223.25	255.25
Co+2 Ge	1.04	2	215.28	257.77
Co+3 B	3.17	2	228.68	250.68
Co+3 Ga	1.28	2	217.88	260.87
Co+3 Zn	1.17	2	220.44	258.44

Heteropoly salt	lw1 cm-1	lw2 cm-1	a1 g/(L cm)	a2 g/(L cm)
Co+2 Si	4.479E+04	3.918E+04	6.16E+00	5.96E+00
Co+2 Ge	4.645E+04	3.879E+04	1.51E+01	1.00E+01
Co+3 B	4.373E+04	3.989E+04	5.11E+00	3.17E+00
Co+3 Ga	4.590E+04	3.833E+04	1.16E+01	2.29E+00
Co+3 Zn	4.536E+04	3.869E+04	1.37E+01	5.43E+00

Table IX  
Wavelength of Maximum Absorbance  
and Absorbance Maxima for  
Tetra-n-heptylammonium Bromide  
in various solvents

Heteropoly salt	lw max nm	lw max. cm-1	A max.
cyclohexane	216.01	4.629E+01	0.32
CTC	272.86	3.665E+01	3.27
toluene	---	---	no peak
M C	233.87	4.276E+01	2.75
chloroform	239.68	4.172E+01	2.27
IPA	211.43	4.730E+01	1.48
THF	234.82	42.59	1.74
Acetonitrile	225.98	44.25	2.80

Table X

Absorbance Maxima and Absorptivity Values  
for  
Tetra-n-heptylammonium Heteropoly Compounds  
in cyclohexane

	Co+2Ge	Co+2Si	Co+3Ga	Co+3B	Co+3Zn
Conc. (g/L)	204.2	210.1	200.4	20.8	32.7
no. of peaks	2	1	3	---	---
λ <sub>1</sub> , nm	518.41	549.33	635.85	---	---
λ <sub>1</sub> , cm <sup>-1</sup>	19290	18204	15727	---	---
A <sub>1</sub> (absorbance)	0.310	0.375	1.095	---	---
a <sub>1</sub> (absorptivity)	8.0E-03	9.0E-03	2.7E-02	---	---
λ <sub>2</sub> , nm	563.41	---	669.84	---	---
λ <sub>2</sub> , cm <sup>-1</sup>	17749.00	---	1.5E+04	---	---
A <sub>2</sub> (absorbance)	0.468	---	1.102	---	---
a <sub>2</sub> (absorptivity)	0.01	---	2.7E-02	---	---
λ <sub>3</sub> nm	---	---	696.34	---	---
λ <sub>3</sub> , cm <sup>-1</sup>	---	---	14361	---	---
A <sub>3</sub> (absorbance)	---	---	1.093	---	---
a <sub>3</sub> (absorptivity)	---	---	2.7E-02	---	---
λ <sub>4</sub> , nm	---	---	---	---	---
λ <sub>4</sub> , cm <sup>-1</sup>	---	---	---	---	---
A <sub>4</sub> (absorbance)	---	---	---	---	---
a <sub>4</sub> (absorptivity)	---	---	---	---	---
λ <sub>max</sub> , nm	563.41	549.33	669.84	---	---

Table XI

Absorbance Maxima and Absorptivity Values  
for  
Tetra-n-heptylammonium Heteropoly Compounds  
in carbon tetrachloride

	Co+2Ge	Co+2Si	Co+3Ga	Co+3B	Co+3Zn
Conc. (g/L)	216.8	210.0	203.7	236.4	205.2
# of peaks	1	1	3	3	3
λ <sub>1</sub> , nm	563.65	551.68	637.06	588.65	637.35
λ <sub>1</sub> , cm <sup>-1</sup>	17741	18126	15690	16988	15690
A <sub>1</sub> (absorbance)	0.699	0.598	0.426	0.792	0.565
a <sub>1</sub> (absorptivity)	1.6E-02	1.4E-02	1.0E-02	1.7E-02	1.4E-02
λ <sub>2</sub> , nm	---	---	672.56	640.66	672.85
λ <sub>2</sub> , cm <sup>-1</sup>	---	---	1.5E+04	1.6E+04	1.5E+04
A <sub>2</sub> (absorbance)	---	---	0.559	2.489	0.675
a <sub>2</sub> (absorptivity)	---	---	1.4E-02	5.3E-02	1.6E-02
λ <sub>3</sub> , nm	---	---	699.06	688.65	698.36
λ <sub>3</sub> , cm <sup>-1</sup>	---	---	14305	14521	14319
A <sub>3</sub> (absorbance)	---	---	0.639	3.097	0.721
a <sub>3</sub> absorptivity	---	---	1.6E-02	6.5E-02	1.8E-02
λ <sub>4</sub> , nm	---	---	---	---	---
λ <sub>4</sub> , cm <sup>-1</sup>	---	---	---	---	---
A <sub>4</sub> (absorbance)	---	---	---	---	---
a <sub>4</sub> absorptivity	---	---	---	---	---
λ <sub>max</sub> , nm	563.65	551.68	699.06	588.65	698.36

Table XII

Absorbance Maxima and Absorptivity Values  
for  
Tetra-n-heptylammonium Heteropoly Compounds  
in toluene

	Co+2Ge	Co+2Si	Co+3Ga	Co+3B	Co+3Zn
Conc. (g/L)	77.5	40.8	58.9	38.7	12.3
# of peaks	1	1	3	3	3
lw1, nm	568.35	540.57	635.20	637.43	637.46
lw1, cm-1	17595	18499	15743	15688	15687
A1 (absorbance)	0.309	0.140	0.149	0.452	0.088
a1 (absorptivit	1.9E-02	1.7E-02	1.3E-02	5.8E-02	3.6E-02
lw2, nm	---	---	675.20	671.44	689.46
lw2, cm-1	---	---	1.5E+04	1.5E+04	1.5E+04
A2 (absorbance)	---	---	0.193	0.613	0.121
a2(absorptivity	---	---	1.6E-02	7.9E-02	4.9E-02
lw3 nm	---	---	698.69	695.93	701.46
lw3, cm-1	---	---	14312	14369	14256
A3 (absorbance)	---	---	0.217	0.608	0.129
a3 (absorptivit	---	---	1.8E-02	7.9E-02	5.2E-02
lw4, nm	---	---	---	---	---
lw4, cm-1	---	---	---	---	---
A4 (absorbance)	---	---	---	---	---
a4 (absorptivit	---	---	---	---	---
lambda max., nm	568.35	540.57	698.69	671.44	701.46

Table XIII

Absorbance Maxima and Absorptivity Values  
for  
Tetra-n-heptylammonium Heteropoly Compounds  
in methylene chloride

	Co+2Ge	Co+2Si	Co+3Ga	Co+3B	Co+3Zn
Conc. (g/L)	57.9	206.3	109.4	24.6	105.0
# of peaks	1	1	3	2	4
lw1, nm	558.26	532.97	635.61	635.83	543.59
lw1, cm-1	17913	18763	15733	15727	18396
A1 (absorbance)	0.280	0.534	0.574	0.477	0.399
a1 (absorptivity)	2.4E-02	1.3E-02	2.6E-02	9.7E-02	1.9E-02
lw2, nm	---	---	671.11	687.83	636.58
lw2, cm-1	---	---	1.5E+04	1.5E+04	1.6E+04
A2 (absorbance)	---	---	0.654	0.595	0.372
a2 (absorptivity)	---	---	3.0E-02	1.2E-01	1.7E-02
lw3 nm	---	---	696.11	---	668.09
lw3, cm-1	---	---	14365	---	14968
A3 (absorbance)	---	---	0.694	---	0.371
a3 absorptivity	---	---	3.2E-02	---	1.8E-02
lw4, nm	---	---	---	---	696.08
lw4, cm-1	---	---	---	---	14366
A4 (absorbance)	---	---	---	---	0.360
a4 absorptivity	---	---	---	---	0.017
lambda max., nm	558.26	532.97	696.11	687.83	543.59

Table XIV

Absorbance Maxima and Absorptivity Values  
for  
Tetra-n-heptylammonium Heteropoly Compounds  
in chloroform

	Co+2Ge	Co+2Si	Co+3Ga	Co+3B	Co+3Zn
Conc. (g/L)	108.7	102.7	203.6	100.7	211.3
# of peaks	1	1	3	3	1
lw1, nm	544.19	518.17	636.59	586.02	526.89
lw1, cm-1	18376	19298	15709	17064	18979
A1 (absorbance)	0.295	0.278	0.207	0.425	0.242
a1 (absorptivit	1.4E-02	1.3E-02	5.0E-03	2.1E-02	6.0E-03
lw2, nm	---	---	677.09	635.02	---
lw2, cm-1	---	---	1.5E+04	1.6E+04	---
A2 (absorbance)	---	---	0.281	0.908	---
a2 (absorptivity	---	---	7.0E-03	4.5E-02	---
lw3 nm	---	---	699.59	649.02	---
lw3, cm-1	---	---	14294	15408	---
A3 (absorbance)	---	---	0.306	0.831	---
a3 absorptivity	---	---	7.0E-03	4.1E-02	---
lw4, nm	---	---	---	695.02	---
lw4, cm-1	---	---	---	14388	---
A4 (absorbance)	---	---	---	1.442	---
a4 absorptivity	---	---	---	0.072	---
lambda max., nm	544.19	518.17	699.59	586.02	526.89



Table XV

Absorbance Maxima and Absorptivity Values  
for  
Tetra-n-heptylammonium Heteropoly Compounds  
in isopropyl alcohol

	Co+2Ge	Co+2Si	Co+3Ga	Co+3B	Co+3Zn
Conc. (g/L)	117.0	157.0	106.5	98.7	199.9
# of peaks	1	1	1	3	2
lw1, nm	540.11	524.12	694.21	599.34	550.04
lw1, cm-1	18515	19080	14405	16685	18180
A1 (absorbance)	0.274	0.290	0.133	0.509	0.376
a1 (absorptivity)	1.2E-02	9.0E-03	6.0E-03	2.6E-02	9.0E-03
lw2, nm	---	---	---	653.34	644.04
lw2, cm-1	---	---	---	1.5E+04	1.6E+04
A2 (absorbance)	---	---	---	0.773	0.258
a2 (absorptivity)	---	---	---	3.9E-02	6.0E-03
lw3 nm	---	---	---	682.33	---
lw3, cm-1	---	---	---	14656	---
A3 (absorbance)	---	---	---	0.932	---
a3 absorptivity	---	---	---	4.7E-02	---
lw4, nm	---	---	---	---	---
lw4, cm-1	---	---	---	---	---
A4 (absorbance)	---	---	---	---	---
a4 absorptivity	---	---	---	---	---
lambda max., nm	540.11	524.12	694.21	685.69	550.04

Table XVI

Absorbance Maxima and Absorptivity Values  
for  
Tetra-n-heptylammonium Heteropoly Compounds  
in tetrahydrofuran

	Co+2Ge	Co+2Si	Co+3Ga	Co+3B	Co+3Zn
Conc. (g/L)	223.2	212.4	206.2	218.8	201.7
# of peaks	1	2	3	4	4
lw1, nm	542.09	484.50	636.69	638.02	549.76
lw1, cm-1	18447	20640	15706	15673	18190
A1 (absorbance)	0.525	0.425	0.444	2.462	0.404
a1 (absorptivity)	1.2E-02	1.0E-02	1.1E-02	5.6E-02	1.0E-02
lw2, nm	---	516.00	672.70	672.02	637.26
lw2, cm-1	---	1.9E+04	1.5E+04	1.5E+04	1.6E+04
A2 (absorbance)	---	0.418	0.589	2.987	0.723
a2 (absorptivity)	---	0.01	1.4E-02	6.8E-02	1.8E-02
lw3 nm	---	---	697.69	675.03	671.26
lw3, cm-1	---	---	14333	14814	14897
A3 (absorbance)	---	---	0.678	3.002	0.850
a3 absorptivity	---	---	1.6E-02	6.8E-02	2.1E-02
lw4, nm	---	---	---	679.02	697.76
lw4, cm-1	---	---	---	14727	14332
A4 (absorbance)	---	---	---	2.995	0.881
a4 absorptivity	---	---	---	0.068	0.022
lambda max., nm	542.09	484.50	697.69	679.02	697.76

Table XVII

Absorbance Maxima and Absorptivity Values  
for  
Tetra-n-heptylammonium Heteropoly Compounds  
in acetonitrile

	Co+2Ge	Co+2Si	Co+3Ga	Co+3B	Co+3Zn
Conc. (g/L)	104.6	107.9	104.4	105.9	108.3
# of peaks	2	2	3	3	3
lw1, nm	494.27	488.03	634.66	593.32	636.30
lw1, cm-1	20232	20491	15756	16854	15716
A1 (absorbance)	0.454	0.670	0.361	0.495	0.385
a1 (absorptivity)	2.2E-02	3.1E-02	1.7E-02	2.3E-02	1.8E-02
lw2, nm	519.27	514.53	673.17	639.32	672.31
lw2, cm-1	1.9E+04	1.9E+04	1.5E+04	1.6E+04	1.5E+04
A2 (absorbance)	0.442	0.527	0.451	1.114	0.468
a2 (absorptivity)	0.02	0.02	2.2E-02	5.3E-02	2.2E-02
lw3 nm	---	---	695.83	680.32	696.30
lw3, cm-1	---	---	14371	14699	14362
A3 (absorbance)	---	---	0.496	1.487	0.501
a3 absorptivity	---	---	2.4E-02	7.0E-02	2.3E-02
lw4, nm	---	---	---	---	---
lw4, cm-1	---	---	---	---	---
A4 (absorbance)	---	---	---	---	---
a4 absorptivity	---	---	---	---	---
lambda max., nm	519.27	488.03	695.83	680.32	696.30

## Appendix C - Experimental Data

-----SI+2-CH-UW-3-1-----

44	485	193.45	476	235.45	2.868	277.45	3.068	319.45	374	361.45	336	433.45	394
44	504	194.45	472	236.45	2.722	278.45	3.063	320.45	378	362.45	333	434.45	393
45	504	195.45	483	237.45	2.771	279.45	3.064	321.45	373	363.45	332	435.45	392
44	502	196.45	488	238.45	2.816	280.45	3.062	322.45	363	364.45	331	436.45	394
45	5	197.45	494	239.45	2.859	281.45	3.062	323.45	358	365.45	329	437.45	393
45	495	198.45	495	240.45	2.906	282.45	3.063	324.45	352	366.45	327	438.45	389
45	499	199.45	501	241.45	2.939	283.45	3.05	325.45	353	367.45	324	439.45	389
45	498	200.45	515	242.45	2.962	284.45	3.04	326.45	355	368.45	325	440.45	387
45	503	201.45	524	243.45	2.981	285.45	3.028	327.45	355	369.45	324	441.45	389
46	501	202.45	546	244.45	3.003	286.45	3.003	328.45	349	370.45	322	442.45	386
45	491	203.45	563	245.45	3.013	287.45	2.976	329.45	347	371.45	321	443.45	387
45	469	204.45	582	246.45	3.021	288.45	2.937	330.45	343	372.45	32	444.45	388
45	477	205.45	611	247.45	3.021	289.45	2.895	331.45	348	373.45	319	445.45	387
45	469	206.45	675	248.45	3.009	290.45	2.833	332.45	335	374.45	317	446.45	385
45	471	207.45	745	249.45	3.004	291.45	2.751	333.45	331	375.45	316	447.45	385
45	463	208.45	809	250.45	3.013	292.45	2.667	334.45	339	376.45	315	448.45	383
45	467	209.45	88	251.45	3.013	293.45	2.593	335.45	323	377.44	315	449.45	382
45	462	210.45	1.015	252.45	3.009	294.45	2.498	336.45	305	378.45	313	450.45	38
45	451	211.45	1.171	253.45	3.006	295.45	2.397	337.45	288	379.45	313	451.45	377
45	45	212.45	1.287	254.45	2.996	296.45	2.292	338.45	272	380.45	313	452.45	379
45	449	213.45	1.38	255.45	2.973	297.45	2.173	339.45	256	381.45	312	453.45	381
45	438	214.45	1.469	256.45	2.975	298.45	2.072	340.45	243	382.45	311	454.45	381
45	449	215.45	1.532	257.45	2.976	299.45	1.985	341.45	233	383.45	311	455.45	381
45	448	216.45	1.583	258.45	2.982	300.45	1.889	342.45	222	384.45	309	456.45	379
45	447	217.45	1.638	259.45	2.988	301.45	1.788	343.45	213	385.45	308	457.45	375
45	453	218.45	1.712	260.45	2.978	302.45	1.696	344.45	204	386.45	307	458.45	376
45	454	219.45	1.802	261.45	2.983	303.45	1.596	345.45	195	387.45	306	459.45	373
45	454	220.45	1.865	262.45	2.988	304.45	1.514	346.45	187	388.45	305	460.45	373
45	459	221.45	1.913	263.45	3.002	305.45	1.447	347.45	183	389.45	307	461.45	378
45	458	222.45	1.959	264.45	3.016	306.45	1.375	348.45	177	390.45	305	462.45	377
45	463	223.45	2.022	265.45	3.021	307.45	1.304	349.45	172	391.45	303	463.45	371
45	469	224.45	2.076	266.45	3.028	308.45	1.238	350.45	166	392.45	301	464.45	372
45	465	225.45	2.132	267.45	3.029	309.45	1.168	351.45	162	393.45	302	465.45	375
45	456	226.45	2.181	268.45	3.033	310.45	1.112	352.45	157	394.45	302	466.45	371
45	461	227.45	2.23	269.45	3.034	311.45	1.067	353.45	155	395.45	301	467.45	373
45	461	228.45	2.276	270.45	3.042	312.45	1.019	354.45	152	396.45	309	468.45	371
45	46	229.45	2.325	271.45	3.05	313.45	97	355.45	149	397.45	307	469.45	371
45	461	230.45	2.387	272.45	3.051	314.45	925	356.45	146	398.45	306	470.45	369
45	464	231.45	2.453	273.45	3.044	315.45	879	357.45	143	399.45	309	471.45	363
45	463	232.45	2.513	274.45	3.053	316.45	839	358.45	14	400.45	309	472.45	369
45	464	233.45	2.556	275.45	3.054	317.45	809	359.45	139	401.45	308	473.45	369
45	472	234.45	2.609	276.45	3.057	318.45	775	360.45	137	402.45	306	474.45	367
												445.45	368
												446.45	365
												447.45	366
												448.45	365
												449.45	365

99	.543	193.98	.522	235.98	2.747	277.98	3.112	319.98	.722	361.98	.113	403.98	.155
34	.544	194.98	.529	236.98	2.787	278.98	3.184	320.98	.689	362.98	.119	404.98	.154
98	.544	195.98	.535	237.98	2.831	279.98	3.1	321.98	.657	363.98	.127	405.98	.156
98	.548	196.99	.533	238.98	2.891	280.99	3.095	322.98	.632	364.98	.127	406.98	.156
98	.547	197.98	.543	239.98	2.932	281.98	3.094	323.98	.609	365.98	.126	407.98	.154
98	.547	198.99	.548	240.98	2.968	282.99	3.087	324.98	.582	366.99	.124	408.98	.152
98	.543	199.99	.561	241.98	3	283.98	3.068	325.98	.558	367.98	.125	409.98	.153
99	.546	200.98	.565	242.98	3.02	284.98	3.053	326.98	.532	368.98	.124	410.98	.153
99	.543	201.98	.53	243.98	3.044	285.98	3.024	327.98	.506	369.98	.124	411.98	.15
99	.537	202.98	.597	244.98	3.054	286.99	3.095	328.98	.485	370.98	.122	412.98	.149
98	.534	203.98	.618	245.98	3.062	287.98	2.954	329.98	.466	371.98	.122	413.98	.151
99	.528	204.98	.651	246.98	3.074	288.98	2.982	330.98	.443	372.98	.121	414.98	.149
98	.51	205.98	.665	247.98	3.062	289.98	2.945	331.98	.423	373.98	.121	415.98	.148
99	.512	206.98	.754	248.98	3.056	290.98	2.763	332.98	.401	374.98	.119	416.98	.148
98	.585	207.98	.83	249.99	3.059	291.98	2.678	333.98	.381	375.98	.119	417.98	.148
99	.511	208.98	.899	250.99	3.057	292.98	2.598	334.98	.364	376.98	.119	418.98	.146
98	.5	209.98	.984	251.98	3.061	293.98	2.525	335.98	.349	377.98	.119	419.98	.145
99	.495	210.99	1.147	252.98	3.053	294.98	2.431	336.98	.332	378.98	.118	420.99	.142
98	.491	211.98	1.284	253.98	3.039	295.98	2.336	337.98	.318	379.98	.118	421.98	.142
98	.495	212.99	1.383	254.98	3.026	296.98	2.234	338.98	.302	380.98	.118	422.98	.145
1.98	.486	213.98	1.47	255.98	3.027	297.98	2.126	339.98	.288	381.98	.117	423.98	.144
2.98	.49	214.98	1.545	256.98	3.024	298.98	2.04	340.98	.277	382.98	.116	424.98	.144
3.98	.49	215.98	1.681	257.98	3.024	299.98	1.959	341.98	.268	383.98	.116	425.98	.145
4.98	.494	216.99	1.658	258.98	3.03	300.98	1.86	342.98	.257	384.98	.115	426.98	.141
5.98	.493	217.98	1.716	259.98	3.031	301.98	1.77	343.98	.248	385.98	.116	427.98	.141
6.98	.583	218.99	1.798	260.98	3.028	302.98	1.678	344.98	.239	386.98	.114	428.98	.14
7.98	.499	219.98	1.889	261.98	3.033	303.98	1.583	345.98	.231	387.98	.113	429.98	.136
8.99	.497	220.98	1.941	262.99	3.044	304.98	1.508	346.98	.225	388.98	.114	430.98	.141
9.99	.51	221.98	1.98	263.98	3.055	305.98	1.441	347.98	.219	389.98	.115	431.98	.142
10.99	.588	222.98	2.038	264.99	3.061	306.98	1.363	348.99	.214	390.98	.115	432.98	.139
11.98	.584	223.98	2.098	265.98	3.071	307.98	1.294	349.98	.21	391.98	.112	433.98	.136
12.99	.584	224.98	2.15	266.98	3.081	308.98	1.223	350.98	.205	392.98	.11	434.98	.14
13.98	.585	225.98	2.203	267.98	3.076	309.98	1.153	351.98	.199	393.98	.113	435.98	.138
14.99	.589	226.98	2.254	268.98	3.075	310.98	1.101	352.98	.197	394.98	.112	436.99	.137
15.98	.583	227.98	2.294	269.98	3.086	311.98	1.053	353.98	.195	395.98	.11	437.98	.138
16.99	.585	228.99	2.348	270.99	3.096	312.98	.999	354.98	.192	396.98	.119	438.98	.135
17.98	.589	229.98	2.405	271.98	3.095	313.98	.952	355.98	.189	397.98	.117	439.98	.136
18.98	.587	230.99	2.468	272.98	3.094	314.98	.904	356.98	.188	398.98	.118	440.98	.132
18.98	.512	231.98	2.529	273.98	3.096	315.98	.858	357.98	.186	399.98	.116	441.98	.133
19.98	.518	232.99	2.582	274.98	3.1	316.98	.822	358.98	.184	400.99	.118	442.98	.136
19.98	.516	233.98	2.623	275.98	3.107	317.98	.791	359.98	.182	401.98	.118	443.98	.133
19.99	.516	234.99	2.684	276.98	3.104	318.98	.754	360.98	.181	402.98	.117	444.98	.134
												445.98	.134
												446.98	.132
												447.98	.132
												448.98	.131
												449.98	.131

-----3+3-CH-W-3-1s-----

150.79	.108	193.79	.115	235.79	.146	277.79	.157	319.79	.105	361.79	.052	403.79	.067
153.15	.11	194.79	.122	236.79	.139	273.79	.151	320.79	.105	362.79	.053	404.79	.067
153.79	.11	195.79	.115	237.79	.128	279.79	.146	321.79	.1049	363.79	.053	405.79	.069
154.79	.115	196.79	.119	238.79	.118	280.79	.141	322.79	.1049	364.79	.054	406.79	.073
155.79	.105	197.79	.121	239.79	.115	281.79	.137	323.79	.1048	365.79	.054	407.79	.07
156.79	.105	198.79	.125	240.79	.111	282.79	.133	324.79	.1047	366.79	.055	408.79	.069
157.79	.108	199.79	.123	241.79	.105	283.79	.128	325.79	.1047	367.79	.055	409.79	.069
158.79	.111	200.79	.128	242.79	.101	284.79	.125	326.79	.1047	368.79	.055	410.79	.072
159.79	.108	201.79	.141	243.79	.08	285.79	.12	327.79	.1046	369.79	.057	411.79	.069
160.79	.114	202.79	.153	244.79	.098	286.79	.114	328.79	.1046	370.79	.058	412.79	.069
161.79	.11	203.79	.167	245.79	.097	287.79	.113	329.79	.1045	371.79	.057	413.79	.07
162.79	.11	204.79	.191	246.79	.096	289.79	.109	328.79	.1046	372.79	.057	414.79	.072
163.79	.115	205.79	.217	247.79	.096	289.79	.105	331.79	.1045	373.79	.058	415.79	.07
164.79	.113	206.79	.26	248.79	.095	290.79	.101	332.79	.1045	374.79	.058	416.79	.071
165.79	.115	207.79	.309	249.79	.093	291.79	.097	333.79	.1044	375.79	.058	417.79	.071
166.79	.114	208.79	.346	250.79	.092	292.79	.095	334.79	.1045	376.79	.059	418.79	.071
167.79	.115	209.79	.393	251.79	.093	293.79	.091	335.79	.1044	377.79	.058	419.79	.069
168.79	.11	210.79	.461	252.79	.091	294.79	.089	336.79	.1045	378.79	.059	420.79	.069
169.79	.11	211.79	.518	253.79	.091	295.79	.086	337.79	.1045	379.79	.059	421.79	.068
170.79	.116	212.79	.553	254.79	.09	296.79	.084	338.79	.1045	380.79	.061	422.79	.072
171.79	.116	213.79	.56	255.79	.086	297.79	.081	339.79	.1045	381.79	.061	423.79	.073
172.79	.111	214.79	.562	256.79	.084	298.79	.079	340.79	.1045	382.79	.062	424.79	.072
173.79	.115	215.79	.565	257.79	.082	299.79	.077	341.79	.1046	383.79	.062	425.79	.073
174.79	.119	216.79	.563	259.79	.077	300.79	.076	342.79	.1046	384.79	.061	426.79	.072
175.79	.118	217.79	.553	259.79	.074	301.79	.073	343.79	.1046	385.79	.062	427.79	.07
176.79	.12	218.79	.539	260.79	.069	302.79	.072	344.79	.1046	386.79	.063	428.79	.072
177.79	.119	219.79	.534	261.79	.061	303.79	.069	345.79	.1047	387.79	.061	429.79	.068
178.79	.116	220.79	.529	262.79	.055	304.79	.067	346.79	.1047	388.79	.064	430.79	.073
179.79	.12	221.79	.517	263.79	.05	305.79	.066	347.79	.1047	389.79	.065	431.79	.079
180.79	.121	222.79	.501	264.79	.044	306.79	.064	348.79	.1048	390.79	.066	432.79	.074
181.79	.12	223.79	.488	265.79	.037	307.79	.063	349.79	.1048	391.79	.063	433.79	.07
182.79	.122	224.79	.478	266.79	.029	308.79	.061	350.79	.1049	392.79	.064	434.79	.076
183.79	.119	225.79	.462	267.79	.022	309.79	.059	351.79	.1049	393.79	.066	435.79	.074
184.79	.113	226.79	.448	268.79	.015	310.79	.058	352.79	.1048	394.79	.068	436.79	.074
185.79	.113	227.79	.439	269.79	.009	311.79	.056	353.79	.1049	395.79	.066	437.79	.074
186.79	.114	228.79	.428	270.79	.001	312.79	.056	354.79	.105	396.79	.066	438.79	.075
187.79	.12	229.79	.414	271.79	.005	313.79	.055	355.79	.105	397.79	.064	439.79	.075
188.79	.116	230.79	.399	272.79	.008	314.79	.054	356.79	.105	398.79	.066	440.79	.071
189.79	.117	231.79	.388	273.79	.011	315.79	.052	357.79	.1051	399.79	.07	441.79	.071
190.79	.116	232.79	.38	274.79	.015	316.79	.052	358.79	.1052	400.79	.068	442.79	.076
191.79	.118	233.79	.369	275.79	.019	317.79	.051	359.79	.1051	401.79	.068	443.79	.074
192.79	.113	234.79	.354	276.79	.013	318.79	.051	360.79	.1052	402.79	.069	444.79	.074
												445.79	.074
												446.79	.075
												447.79	.075
												448.79	.073
												449.79	.073

150.84	.145	193.83	.144	235.83	.215	277.83	.155	319.83	.189	361.83	.116	403.83	.126
153.22	.137	194.84	.145	236.84	.238	278.84	.158	320.84	.188	362.84	.116	404.84	.126
153.83	.137	195.83	.142	237.83	.206	279.83	.156	321.83	.188	363.83	.116	405.83	.127
154.84	.139	196.84	.143	238.84	.235	280.84	.154	322.84	.188	364.84	.117	406.84	.13
155.83	.14	197.84	.142	239.83	.202	281.83	.152	323.83	.188	365.83	.117	407.83	.128
156.84	.141	198.84	.144	240.84	.198	282.84	.151	324.84	.187	366.84	.118	408.84	.127
157.83	.138	199.84	.147	241.83	.199	283.83	.149	325.83	.187	367.83	.117	409.83	.128
158.84	.14	200.84	.148	242.84	.197	284.84	.147	326.84	.187	368.84	.117	410.84	.129
159.83	.147	201.83	.154	243.83	.195	285.83	.145	327.83	.187	369.83	.119	411.83	.127
160.84	.138	202.84	.174	244.84	.194	286.84	.143	328.84	.187	370.84	.119	412.84	.126
161.83	.139	203.83	.177	245.83	.194	287.83	.142	329.83	.187	371.83	.119	413.83	.128
162.84	.138	204.84	.194	246.84	.194	288.84	.14	330.84	.187	372.84	.119	414.84	.129
163.83	.141	205.83	.218	247.83	.193	289.83	.138	331.83	.187	373.83	.12	415.83	.129
164.84	.142	206.84	.251	248.84	.193	290.84	.136	332.84	.188	374.84	.12	416.84	.129
165.83	.145	207.83	.273	249.84	.191	291.83	.133	333.83	.187	375.83	.12	417.83	.128
166.84	.144	208.84	.291	250.84	.191	292.84	.132	334.84	.187	376.84	.121	418.84	.129
167.83	.138	209.83	.316	251.84	.19	293.83	.131	335.83	.187	377.83	.12	419.83	.127
168.84	.141	210.84	.359	252.84	.19	294.84	.13	336.84	.188	378.84	.12	420.84	.125
169.83	.14	211.83	.375	253.83	.19	295.83	.128	337.83	.188	379.83	.121	421.83	.124
170.84	.14	212.84	.378	254.84	.19	296.84	.127	338.84	.189	380.84	.123	422.84	.129
171.83	.139	213.83	.393	255.83	.189	297.83	.126	339.83	.188	381.83	.122	423.83	.13
172.84	.144	214.84	.398	256.84	.188	298.84	.125	340.84	.189	382.84	.123	424.84	.13
173.83	.141	215.83	.383	257.83	.188	299.83	.124	341.83	.189	383.83	.123	425.83	.13
174.84	.144	216.84	.373	258.84	.188	300.84	.123	342.84	.18	384.84	.124	426.84	.128
175.83	.148	217.84	.369	259.83	.188	301.83	.122	343.83	.18	385.83	.124	427.83	.126
176.84	.145	218.84	.364	260.84	.188	302.84	.121	344.84	.18	386.84	.123	428.84	.127
177.83	.144	219.83	.356	261.83	.186	303.83	.119	345.83	.18	387.83	.123	429.83	.123
178.84	.143	220.84	.347	262.84	.187	304.84	.119	346.84	.181	388.84	.125	430.84	.129
179.84	.143	221.83	.34	263.83	.186	305.83	.117	347.83	.181	389.83	.126	431.83	.132
180.84	.149	222.84	.329	264.84	.184	306.84	.117	348.84	.182	390.84	.125	432.84	.13
181.83	.143	223.83	.316	265.83	.184	307.83	.116	349.83	.182	391.83	.124	433.83	.125
182.84	.146	224.84	.302	266.84	.183	308.84	.114	350.84	.181	392.84	.124	434.84	.129
183.83	.142	225.83	.291	267.84	.181	309.83	.114	351.83	.182	393.83	.127	435.83	.128
184.84	.144	226.84	.283	268.84	.18	310.84	.113	352.84	.183	394.84	.126	436.84	.128
185.83	.144	227.83	.273	269.83	.177	311.83	.112	353.83	.183	395.83	.126	437.83	.128
186.84	.146	228.84	.261	270.84	.176	312.84	.112	354.84	.183	396.84	.125	438.84	.127
187.83	.143	229.83	.253	271.83	.174	313.83	.112	355.83	.183	397.83	.124	439.83	.129
188.84	.146	230.84	.247	272.84	.172	314.84	.111	356.84	.184	398.84	.126	440.84	.134
189.83	.149	231.83	.238	273.83	.169	315.83	.11	357.83	.184	399.83	.128	441.83	.124
190.84	.145	232.84	.229	274.84	.167	316.84	.11	358.84	.185	400.84	.129	442.84	.129
191.83	.143	233.83	.225	275.83	.164	317.83	.109	359.83	.184	401.83	.128	443.83	.126
192.84	.144	234.84	.222	276.84	.163	318.84	.109	360.84	.185	402.84	.127	444.84	.127
												445.83	.127
												446.84	.126
												447.83	.127
												448.84	.126
												449.83	.125

171	.46	193.7	.452	235.7	2.638	277.7	2.344	319.7	.554	361.7	.723	403.7	.891
172	.468	194.7	.456	236.7	2.672	278.7	2.392	320.7	.53	362.7	.721	404.7	.89
173	.468	195.7	.46	237.7	2.708	279.7	2.238	321.7	.507	363.7	.719	405.7	.891
174	.461	196.7	.464	238.71	2.75	280.7	2.186	322.7	.489	364.7	.716	406.71	.893
175	.47	197.7	.47	239.7	2.774	281.7	2.141	323.7	.472	365.7	.716	407.7	.892
176	.472	198.7	.48	240.7	2.805	282.71	2.086	324.7	.453	366.71	.713	408.7	.889
177	.467	199.7	.48	241.7	2.815	283.7	2.032	325.69	.436	367.7	.712	409.7	.889
178	.471	200.7	.483	242.7	2.825	284.7	1.977	326.7	.418	368.71	.711	410.7	.89
179	.466	201.7	.581	243.7	2.821	285.7	1.913	327.7	.399	369.7	.71	411.7	.888
180	.462	202.7	.517	244.7	2.824	286.7	1.861	328.71	.384	370.7	.709	412.71	.886
181	.457	203.7	.539	245.7	2.821	287.7	1.815	329.7	.371	371.7	.707	413.7	.888
182	.453	204.7	.558	246.7	2.816	288.7	1.758	330.7	.356	372.71	.706	414.7	.889
183	.446	205.7	.596	247.7	2.806	289.7	1.705	331.7	.342	373.7	.706	415.7	.889
184	.443	206.7	.659	248.7	2.797	290.7	1.649	332.7	.327	374.7	.704	416.7	.887
185	.438	207.7	.731	249.7	2.778	291.7	1.589	333.7	.313	375.7	.703	417.7	.887
186	.437	208.7	.794	250.71	2.768	292.7	1.539	334.71	.301	376.7	.702	418.71	.885
187	.434	209.7	.867	251.7	2.768	293.7	1.496	335.7	.291	377.7	.702	419.7	.885
188	.431	210.7	1.021	252.7	2.759	294.71	1.443	336.71	.279	378.7	.701	420.71	.882
189	.427	211.7	1.171	253.7	2.749	295.7	1.396	337.7	.268	379.7	.701	421.7	.881
190	.426	212.7	1.282	254.7	2.731	296.7	1.347	338.7	.257	380.7	.701	422.7	.884
191	.421	213.7	1.368	255.7	2.724	297.7	1.293	339.7	.246	381.7	.701	423.7	.885
192	.429	214.7	1.45	256.7	2.717	298.7	1.25	340.71	.237	382.71	.699	424.71	.885
193	.431	215.7	1.513	257.7	2.716	299.7	1.214	341.7	.23	383.7	.7	425.7	.886
194	.43	216.7	1.565	258.7	2.719	300.71	1.168	342.7	.22	384.71	.699	426.71	.883
195	.431	217.7	1.622	259.69	2.717	301.7	1.126	343.7	.212	385.7	.699	427.7	.881
196	.439	218.7	1.695	260.7	2.707	302.7	1.084	344.7	.204	386.71	.697	428.7	.882
197	.44	219.7	1.795	261.7	2.7	303.7	1.038	345.7	.196	387.7	.697	429.7	.877
198	.434	220.7	1.851	262.7	2.697	304.7	.	346.71	.188	388.71	.696	430.71	.881
199	.445	221.7	1.894	263.7	2.699	305.7	.968	347.7	.183	389.7	.699	431.7	.886
200	.439	222.7	1.95	264.7	2.693	306.7	.929	348.71	.177	390.7	.696	432.71	.884
201	.441	223.7	2.011	265.7	2.689	307.7	.893	349.7	.171	391.7	.695	433.7	.878
202	.441	224.7	2.064	266.7	2.676	308.7	.857	350.7	.165	392.7	.693	434.7	.882
203	.44	225.7	2.119	267.7	2.658	309.7	.819	351.7	.158	393.7	.696	435.7	.882
204	.438	226.7	2.171	268.71	2.643	310.7	.789	352.71	.154	394.7	.696	436.71	.88
205	.443	227.7	2.289	269.7	2.624	311.7	.763	353.7	.15	395.7	.694	437.7	.881
206	.439	228.7	2.264	270.71	2.601	312.7	.731	354.71	.145	396.7	.693	438.71	.879
207	.442	229.7	2.311	271.7	2.576	312.7	.703	355.7	.141	397.7	.691	439.7	.88
208	.434	230.7	2.371	272.7	2.539	314.7	.674	356.7	.137	398.7	.691	440.7	.875
209	.441	231.7	2.434	273.69	2.501	315.7	.644	357.7	.134	399.7	.695	441.7	.873
210	.448	232.71	2.485	274.7	2.466	316.71	.621	358.7	.131	400.71	.694	442.7	.879
211	.449	233.7	2.528	275.7	2.436	317.7	.6	359.7	.128	401.7	.694	443.7	.877
212	.447	234.7	2.58	276.7	2.391	318.7	.576	360.7	.125	402.71	.692	444.7	.877
												445.7	.877
												446.7	.875
												447.7	.876
												448.71	.875
												449.7	.875



102	.071	193.03	.072	235.02	.159	277.02	.094	319.02	.051	361.02	.36	403.02	.072
109	.068	194.01	.066	236.01	.151	278.01	.082	320.01	.05	362.01	.059	404.01	.071
112	.068	195.02	.07	237.02	.144	279.02	.091	321.02	.05	363.02	.061	405.02	.071
111	.065	196.01	.072	238.01	.135	280.01	.08	322.01	.05	364.01	.061	406.01	.072
112	.068	197.03	.072	239.02	.128	281.02	.079	323.02	.051	365.02	.061	407.02	.075
111	.071	198.01	.075	240.01	.124	282.01	.078	324.01	.051	366.01	.061	408.01	.072
113	.071	199.03	.074	241.02	.121	283.02	.076	325.02	.051	367.02	.062	409.02	.071
111	.066	200.02	.076	242.01	.117	284.01	.076	326.01	.051	368.01	.061	410.01	.073
112	.069	201.02	.081	243.02	.113	285.02	.074	327.02	.051	369.02	.063	411.02	.074
112	.069	202.01	.084	244.01	.111	286.01	.073	328.01	.05	370.01	.063	412.01	.072
113	.068	203.02	.087	245.02	.11	287.02	.073	329.02	.05	371.02	.064	413.02	.07
111	.071	204.01	.105	246.01	.108	288.01	.072	330.01	.051	372.01	.063	414.01	.073
112	.067	205.02	.119	247.02	.108	289.02	.071	331.02	.051	373.02	.063	415.02	.075
114	.065	206.01	.138	248.01	.107	290.01	.07	332.01	.051	374.01	.063	416.01	.073
113	.067	207.02	.162	249.02	.106	291.02	.069	333.02	.051	375.02	.064	417.02	.073
112	.069	208.01	.19	250.02	.105	292.01	.067	334.01	.051	376.01	.064	418.01	.073
117	.066	209.02	.211	251.02	.106	293.02	.067	335.02	.052	377.02	.064	419.02	.073
111	.066	210.01	.237	252.01	.106	294.01	.066	336.01	.052	378.01	.064	420.01	.071
119	.07	211.02	.269	253.02	.106	295.02	.065	337.02	.052	379.02	.065	421.02	.07
111	.07	212.01	.303	254.01	.107	296.01	.064	338.01	.052	380.01	.065	422.01	.07
111	.071	213.02	.322	255.02	.107	297.02	.063	339.02	.053	381.02	.066	423.02	.074
112	.072	214.01	.323	256.01	.106	298.01	.062	340.01	.053	382.01	.066	424.01	.074
113	.074	215.02	.322	257.02	.106	299.02	.062	341.02	.053	383.02	.067	425.02	.074
114	.067	216.01	.324	258.01	.106	300.01	.061	342.01	.054	384.01	.067	426.01	.074
115	.067	217.03	.323	259.02	.106	301.02	.06	343.02	.054	385.02	.067	427.02	.073
116	.067	218.01	.315	260.01	.106	302.01	.059	344.01	.054	386.01	.067	428.01	.072
117	.07	219.02	.306	261.02	.104	303.02	.058	345.02	.055	387.02	.067	429.02	.073
118	.07	220.01	.301	262.01	.102	304.01	.057	346.01	.055	388.01	.067	430.01	.069
119	.067	221.02	.299	263.02	.101	305.02	.056	347.02	.055	389.02	.069	431.02	.076
120	.07	222.01	.259	264.01	.11	306.01	.055	348.01	.055	390.01	.07	432.01	.079
121	.073	223.02	.276	265.02	.099	307.02	.055	349.02	.056	391.02	.069	433.02	.072
122	.071	224.01	.267	266.01	.098	308.01	.054	350.01	.056	392.01	.067	434.01	.071
123	.069	225.02	.258	267.02	.097	309.02	.053	351.02	.057	393.02	.068	435.02	.077
124	.069	226.01	.245	268.01	.096	310.01	.052	352.01	.056	394.01	.071	436.01	.074
125	.074	227.02	.222	269.02	.093	311.02	.053	353.02	.057	395.02	.072	437.02	.074
126	.067	228.01	.226	270.01	.092	312.01	.052	354.01	.057	396.01	.07	438.01	.074
127	.068	229.02	.213	271.02	.091	313.02	.051	355.02	.058	397.02	.069	439.02	.074
128	.069	230.01	.207	272.01	.09	314.01	.052	356.01	.058	398.01	.068	440.01	.074
129	.069	231.02	.193	273.02	.09	315.02	.051	357.02	.058	399.02	.071	441.02	.07
130	.073	232.01	.186	274.01	.088	316.01	.051	358.01	.059	400.01	.073	442.01	.072
131	.068	233.02	.179	275.02	.087	317.02	.051	359.02	.059	401.02	.071	443.02	.076
132	.074	234.01	.169	276.01	.085	318.01	.051	360.01	.059	402.01	.072	444.01	.072
												445.02	.073
												446.01	.072
												447.02	.073
												448.01	.073
												449.02	.072

0.56	3E-03	193.55	-2E-03	235.55	-0.048	277.55	-0.025	319.55	-1E-03	361.55	0.025	403.55	0.045
1.9	5E-03	194.55	-1E-03	236.55	-0.047	278.55	-0.025	320.55	-1E-03	362.55	0.025	404.55	0.043
3.55	5E-03	195.55	-3E-03	237.55	-0.044	279.55	-0.024	321.55	-1E-03	363.55	0.027	405.55	0.045
4.56	4E-03	196.56	-2E-03	238.55	-0.044	280.56	-0.025	322.55	-1E-03	364.55	0.026	406.55	0.048
5.55	0	197.55	-5E-03	239.55	-0.046	281.55	-0.023	323.55	1E-03	365.55	0.027	407.55	0.049
6.55	-1E-03	198.56	-3E-03	240.55	-0.044	282.56	-0.023	324.55	0	366.55	0.029	408.55	0.045
7.55	1E-03	199.55	-6E-03	241.55	-0.042	283.55	-0.022	325.54	1E-03	367.55	0.029	409.54	0.046
8.56	-1E-03	200.55	-8E-03	242.56	-0.042	284.55	-0.023	326.55	2E-03	368.55	0.029	410.55	0.048
9.55	-3E-03	201.55	-8E-03	243.55	-0.042	285.55	-0.021	327.55	2E-03	369.55	0.03	411.55	0.047
10.56	0	202.55	-5E-03	244.55	-0.042	286.55	-0.02	328.55	2E-03	370.55	0.031	412.55	0.044
11.55	2E-03	203.55	-6E-03	245.55	-0.041	287.55	-0.02	329.55	4E-03	371.55	0.032	413.55	0.047
12.56	0	204.55	-3E-03	246.55	-0.039	288.55	-0.02	330.55	4E-03	372.55	0.031	414.55	0.049
13.55	0	205.55	-5E-03	247.55	-0.039	289.55	-0.019	331.55	6E-03	373.55	0.032	415.55	0.049
14.56	-4E-03	206.55	-8E-03	248.56	-0.039	290.55	-0.018	332.55	5E-03	374.55	0.032	416.55	0.047
15.55	4E-03	207.54	-0.015	249.55	-0.037	291.55	-0.018	333.55	6E-03	375.55	0.033	417.55	0.048
16.56	1E-03	208.55	-0.014	250.56	-0.038	292.55	-0.019	334.55	7E-03	376.55	0.033	418.55	0.048
17.55	0	209.55	-0.017	251.55	-0.037	293.55	-0.017	335.55	8E-03	377.55	0.034	419.55	0.047
18.55	0	210.55	-0.024	252.56	-0.036	294.55	-0.016	336.55	3E-03	378.55	0.034	420.55	0.045
19.55	0	211.55	-0.032	253.55	-0.036	295.55	-0.015	337.55	9E-03	379.55	0.035	421.55	0.045
20.56	0	212.55	-0.026	254.56	-0.034	296.55	-0.016	338.55	0.01	380.55	0.036	422.55	0.049
21.55	0	213.55	-0.023	255.55	-0.034	297.55	-0.014	339.55	0.011	381.55	0.036	423.55	0.051
22.55	-4E-03	214.55	-0.029	256.55	-0.036	298.55	-0.014	340.55	0.01	382.55	0.037	424.55	0.05
23.55	-1E-03	215.55	-0.033	257.55	-0.034	299.54	-0.013	341.55	0.012	383.55	0.038	425.55	0.051
24.56	-3E-03	216.55	-0.031	258.55	-0.034	300.55	-0.014	342.55	0.013	384.55	0.038	426.55	0.05
25.55	-3E-03	217.55	-0.032	259.55	-0.033	301.55	-0.012	343.55	0.014	385.55	0.038	427.54	0.048
26.56	3E-03	218.55	-0.037	260.55	-0.033	302.55	-0.012	344.55	0.013	386.55	0.038	428.55	0.049
27.55	-4E-03	219.55	-0.043	261.55	-0.033	303.55	-0.011	345.55	0.014	387.55	0.038	429.54	0.046
28.56	0	220.55	-0.039	262.56	-0.032	304.55	-0.012	346.55	0.015	388.55	0.039	430.55	0.049
29.55	0	221.54	-0.038	263.55	-0.033	305.55	-0.011	347.55	0.017	389.55	0.041	431.55	0.056
30.56	-3E-03	222.55	-0.039	264.56	-0.033	306.55	-0.01	348.55	0.016	390.55	0.041	432.55	0.055
31.55	6E-03	223.55	-0.043	265.55	-0.031	307.55	-0E-03	349.55	0.017	391.55	0.04	433.55	0.047
32.56	-3E-03	224.55	-0.042	266.55	-0.031	308.55	-0E-03	350.55	0.018	392.55	0.038	434.55	0.051
33.55	-3E-03	225.55	-0.039	267.55	-0.03	309.55	-0E-03	351.55	0.019	393.55	0.042	435.55	0.054
34.56	0	226.55	-0.041	268.55	-0.03	310.55	-7E-03	352.55	0.018	394.55	0.043	436.55	0.049
35.55	0	227.55	-0.044	269.55	-0.029	311.55	-7E-03	353.55	0.02	395.55	0.044	437.55	0.051
36.56	0	228.55	-0.043	270.55	-0.029	312.55	-7E-03	354.55	0.02	396.55	0.042	438.55	0.051
37.55	0	229.55	-0.041	271.55	-0.029	313.55	-6E-03	355.55	0.022	397.55	0.04	439.55	0.052
38.55	0	230.56	-0.043	272.55	-0.029	314.55	-4E-03	356.55	0.02	398.55	0.042	440.55	0.048
39.55	-2E-03	231.55	-0.047	273.55	-0.028	315.55	-4E-03	357.55	0.023	399.55	0.046	441.55	0.047
40.55	-2E-03	232.56	-0.045	274.55	-0.027	316.55	-4E-03	358.55	0.023	400.55	0.046	442.55	0.052
41.55	-3E-03	233.55	-0.043	275.55	-0.027	317.55	-3E-03	359.55	0.024	401.55	0.045	443.55	0.052
42.56	-5E-03	234.55	-0.045	276.55	-0.027	318.55	-3E-03	360.55	0.024	402.55	0.045	444.55	0.049
												445.55	0.051
												446.55	0.05
												447.54	0.053
												448.55	0.05
												449.55	0.05

.612	215.07	1.449	254.07	2,534	293.07	2,551	352.07	2,517	371.07	2,277	419.07	2,256
.629	216.08	1.457	255.07	2,702	294.07	2,442	322.07	2,498	372.07	2,197	411.07	2,245
.629	217.08	1.44	256.07	2,953	295.08	2,014	354.07	2,479	373.07	2,176	412.07	2,252
.632	218.07	1.44	257.07	2,966	296.07	2,217	355.08	2,465	374.07	2,175	413.07	2,261
.63	219.08	1.450	259.07	3,046	297.07	2,111	326.08	2,452	375.07	2,192	414.07	2,262
.639	220.07	1.452	259.07	3,148	298.07	2,008	357.37	2,437	376.07	2,193	415.07	2,262
.653	221.07	1.429	260.07	3,226	299.07	1,922	358.07	2,425	377.07	2,191	416.07	2,26
.652	222.07	1.422	261.07	3,289	300.07	1,844	359.07	2,411	378.07	2,191	417.07	2,259
.627	223.08	1.425	262.08	3,352	301.08	1,753	340.07	2,399	379.07	2,191	418.07	2,258
.627	224.07	1.419	263.08	3,39	302.07	1,672	341.07	2,389	380.07	2,191	419.07	2,256
.623	225.07	1.418	264.08	3,419	303.07	1,589	342.07	2,381	381.07	2,19	420.07	2,254
.62	226.07	1.415	265.08	3,453	304.07	1,506	343.07	2,372	382.07	2,189	421.08	2,25
.619	227.07	1.414	266.07	3,492	305.07	1,442	344.07	2,364	383.07	2,188	422.07	2,252
.625	228.07	1.414	267.07	3,52	306.07	1,384	345.07	2,357	384.07	2,188	423.07	2,254
.623	229.08	1.421	268.08	3,527	307.07	1,318	346.07	2,35	385.08	2,187	424.07	2,255
.625	230.08	1.419	269.08	3,54	308.07	1,26	347.07	2,346	386.07	2,186	425.07	2,253
.631	231.06	1.423	270.07	3,548	309.07	1,201	348.07	2,341	387.07	2,184	426.07	2,252
.627	232.08	1.427	271.08	3,549	310.07	1,144	349.08	2,336	388.07	2,184	427.07	2,248
.633	233.08	1.428	272.07	3,552	311.07	1,1	350.07	2,332	389.07	2,185	428.07	2,247
.63	234.07	1.425	273.07	3,552	312.07	1,061	351.07	2,328	390.07	2,184	429.07	2,245
.639	235.08	1.423	274.07	3,552	313.07	1,016	352.08	2,325	391.07	2,182	430.07	2,243
.641	236.07	1.423	275.07	3,571	314.07	978	353.08	2,321	392.07	2,179	431.07	2,248
.642	237.08	1.425	276.07	3,547	315.07	937	354.07	2,32	393.07	2,179	432.07	2,252
.649	238.07	1.423	277.08	3,54	316.07	899	355.07	2,317	394.37	2,181	433.08	2,244
.651	239.07	1.43	278.07	3,524	317.08	869	356.07	2,315	395.07	2,18	434.07	2,24
.651	240.07	1.434	279.07	3,503	318.07	842	357.07	2,314	396.07	2,179	435.07	2,245
.646	241.07	1.442	282.07	3,468	319.07	811	358.07	2,312	397.07	2,179	436.07	2,243
.651	242.07	1.448	281.08	3,445	320.07	783	359.07	2,309	398.07	2,174	437.08	2,241
.644	243.07	1.45	282.07	3,411	321.07	755	360.07	2,309	399.07	2,175	438.07	2,24
.649	244.08	1.469	283.08	3,368	322.07	727	361.07	2,307	400.07	2,178	439.07	2,239
.646	245.08	1.473	284.08	3,308	323.08	705	362.07	2,306	401.08	2,175	440.07	2,24
.653	246.07	1.445	285.07	3,244	324.07	683	363.07	2,305	402.07	2,173	441.07	2,232
.655	247.08	1.457	286.07	3,166	325.07	66	364.07	2,303	403.07	2,173	442.07	2,236
.651	248.07	1.464	287.08	3,091	326.07	637	365.07	2,302	404.07	2,171	443.07	2,238
.651	249.08	1.484	288.07	3,017	327.07	614	366.07	2,301	405.07	2,169	444.07	2,235
.654	250.08	1.474	289.08	2,921	328.07	59	367.08	2,301	406.07	2,17	445.07	2,236
.654	251.08	1.426	290.07	2,824	329.07	572	368.07	2,3	407.07	2,171	446.07	2,234
.651	252.08	1.429	291.07	2,717	330.07	554	369.08	2,299	408.07	2,169	447.07	2,233
.651	253.08	2.062	292.07	2,602	331.07	534	370.07	2,298	409.07	2,165	448.07	2,231

68	.609	215.47	.644	254.47	2,181	243.47	3,537	332.47	3,517	371.47	1,176	448.47	1,137
67	.622	216.47	.637	255.47	2,177	244.47	3,539	333.47	3,496	372.47	1,174	449.47	1,136
66	.629	217.47	.633	256.47	2,196	245.47	3,437	334.47	3,477	373.47	1,174	450.47	1,136
67	.631	218.47	.639	257.47	2,184	246.47	3,335	335.47	3,463	374.47	1,173	451.47	1,134
69	.625	219.47	.651	259.47	2,205	247.47	3,225	336.47	3,448	375.47	1,173	452.47	1,134
67	.628	220.47	.611	258.47	2,157	248.47	2,127	337.47	3,433	376.47	1,173	453.47	1,133
67	.623	221.47	.614	259.47	2,145	249.47	2,145	338.47	3,419	377.47	1,171	454.47	1,131
67	.621	222.47	.621	260.47	2,136	250.47	2,158	339.47	3,404	378.47	1,171	455.47	1,131
68	.623	223.47	.623	261.47	2,139	251.47	2,164	340.47	3,391	379.47	1,171	456.47	1,131
67	.617	224.47	.616	262.47	2,132	252.47	2,176	341.47	3,381	380.47	1,172	457.47	1,132
67	.616	225.47	.612	264.48	2,135	253.47	2,132	342.47	3,371	381.47	1,171	458.47	1,131
67	.615	226.47	.615	265.47	2,174	254.47	2,133	343.47	3,361	382.47	1,171	459.47	1,131
67	.619	227.47	.617	266.47	2,185	255.47	2,139	344.47	3,352	383.47	1,171	460.47	1,131
67	.614	228.47	.613	267.47	2,131	256.47	2,147	345.47	3,343	384.47	1,171	461.47	1,131
67	.62	229.47	.616	268.47	2,129	257.47	2,196	346.47	3,335	385.47	1,169	462.47	1,129
67	.619	230.47	.615	269.47	2,145	258.47	2,133	347.47	3,326	386.47	1,168	463.47	1,128
67	.626	231.47	.617	270.47	2,145	259.47	2,126	348.47	3,324	387.47	1,164	464.47	1,127
67	.619	232.48	.621	271.47	2,142	260.47	2,133	349.47	3,319	388.47	1,167	465.47	1,127
67	.623	233.47	.61	272.47	2,149	261.47	2,157	350.47	3,314	389.47	1,169	466.47	1,127
67	.624	234.47	.624	273.47	2,151	262.47	2,138	351.47	3,309	390.47	1,167	467.47	1,127
67	.626	235.47	.621	274.47	2,137	263.47	2,158	352.47	3,305	391.47	1,165	468.47	1,127
67	.636	236.47	.621	275.47	2,136	264.47	2,113	353.47	3,302	392.47	1,164	469.47	1,127
67	.637	237.47	.615	276.47	2,137	265.47	2,146	354.47	3,299	393.47	1,165	470.47	1,127
67	.644	238.47	.619	277.47	2,135	266.48	2,127	355.47	3,296	394.47	1,166	471.47	1,126
67	.647	239.47	.624	278.47	2,114	267.47	2,176	356.47	3,293	395.47	1,165	472.47	1,127
67	.638	240.47	.61	279.47	2,148	268.47	2,133	357.47	3,291	396.47	1,165	473.47	1,127
68	.647	241.47	.636	280.47	2,146	269.47	2,129	358.47	3,289	397.47	1,161	474.47	1,126
67	.646	242.47	.645	281.47	2,146	270.47	2,118	359.47	3,288	398.47	1,161	475.47	1,126
67	.646	243.47	.652	282.47	2,148	271.47	2,116	360.47	3,286	399.47	1,164	476.47	1,126
67	.643	244.47	.673	283.47	2,196	272.47	2,139	361.47	3,284	400.47	1,164	477.47	1,126
67	.644	245.47	.711	284.47	2,254	273.47	2,116	362.47	3,283	401.47	1,162	478.47	1,126
67	.643	246.47	.71	285.47	2,274	274.47	2,11	363.47	3,282	402.47	1,161	479.47	1,126
67	.649	247.47	.61	286.47	2,245	275.47	2,166	364.47	3,281	403.47	1,161	480.47	1,126
67	.652	248.47	.734	287.47	2,311	276.47	2,143	365.47	3,281	404.47	1,161	481.47	1,126
68	.651	249.47	.492	288.47	2,138	277.47	2,117	366.47	3,279	405.47	1,159	482.47	1,124
67	.649	250.48	1,785	289.47	2,125	278.47	2,116	367.47	3,278	406.47	1,161	483.47	1,124
67	.647	251.47	2,001	290.47	2,131	279.47	2,177	368.47	3,277	407.47	1,161	484.47	1,123
68	.654	252.47	2,21	291.47	2,122	280.47	2,158	369.47	3,276	408.47	1,156	485.47	1,123
67	.649	253.47	2,421	292.47	2,126	281.47	2,136	370.47	3,276	409.47	1,156	486.47	1,123

75	47	215.75	484	254.75	1,492	293.75	1,482	332.75	1,364	371.75	1,25	410.75	1,164
76	483	216.75	477	255.75	1,539	294.75	1,508	333.75	1,355	372.75	1,26	411.75	1,152
76	483	217.75	470	256.75	1,582	295.75	1,522	334.75	1,248	373.75	1,27	412.75	1,14
75	479	218.75	475	257.75	1,639	296.75	1,580	335.75	1,243	374.75	1,25	413.75	1,132
75	486	219.75	472	258.75	1,642	297.75	1,523	336.75	1,236	375.75	1,26	414.75	1,125
75	486	220.75	474	259.75	1,687	298.75	1,561	337.75	1,23	376.75	1,27	415.75	1,114
75	486	221.75	466	260.75	1,670	299.75	1,588	338.75	1,224	377.75	1,26	416.75	1,104
75	488	222.75	466	261.75	1,719	300.75	1,49	339.75	1,218	378.75	1,27	417.75	1,093
75	483	223.75	468	262.75	1,767	301.75	1,396	340.75	1,213	379.75	1,28	418.75	1,082
75	482	224.75	46	263.75	1,811	302.75	1,347	341.75	1,209	380.75	1,27	419.75	1,072
75	483	225.75	464	264.75	1,831	303.75	1,377	342.75	1,205	381.75	1,27	420.75	1,06
75	481	226.75	464	265.75	1,855	304.75	1,36	343.75	1,201	382.75	1,27	421.75	1,079
75	482	227.75	462	266.75	1,883	305.75	1,329	344.75	1,197	383.75	1,27	422.75	1,063
75	488	228.75	466	267.75	1,927	306.75	1,393	345.75	1,193	384.75	1,27	423.75	1,04
75	486	229.75	463	268.75	1,981	307.75	1,362	346.75	1,191	385.75	1,28	424.75	1,025
75	491	230.75	465	269.75	1,935	308.75	1,332	347.75	1,188	386.75	1,27	425.75	1,016
75	489	231.75	469	270.75	1,927	309.75	1,381	348.75	1,186	387.75	1,27	426.75	1,006
75	489	232.75	475	271.75	1,922	310.75	1,377	349.75	1,184	388.75	1,31	427.75	1,01
75	491	233.75	475	272.75	1,922	311.75	1,359	350.75	1,182	389.75	1,33	428.75	1,02
75	496	234.75	47	273.75	1,922	312.75	1,336	351.75	1,18	390.75	1,31	429.75	1,077
75	493	235.75	473	274.75	1,938	313.75	1,315	352.75	1,18	391.75	1,31	430.75	1,062
75	495	236.75	473	275.75	1,933	314.75	1,495	353.75	1,179	392.75	1,29	431.75	1,037
76	496	237.75	475	276.75	1,919	315.75	1,474	354.75	1,177	393.75	1,32	432.75	1,014
75	496	238.75	472	277.75	1,917	316.75	1,458	355.75	1,176	394.75	1,33	433.75	1,008
75	492	239.75	477	278.75	1,895	317.75	1,443	356.75	1,175	395.75	1,32	434.75	1,006
75	494	240.75	481	279.75	1,858	318.75	1,427	357.75	1,173	396.75	1,31	435.75	1,003
75	483	241.75	486	280.75	1,811	319.75	1,412	358.75	1,172	397.75	1,31	436.75	1,01
75	491	242.75	465	281.75	1,755	320.75	1,397	359.75	1,174	398.75	1,31	437.75	1,002
75	484	243.75	46	282.75	1,845	321.75	1,381	360.75	1,174	399.75	1,33	438.75	1,01
75	485	244.75	453	283.75	1,819	322.75	1,368	361.75	1,173	400.75	1,34	439.75	1,006
75	482	245.75	462	284.75	1,76	323.75	1,357	362.75	1,173	401.75	1,34	440.75	1,009
75	486	246.75	481	285.75	1,674	324.75	1,345	363.75	1,174	402.75	1,33	441.75	1,003
75	453	247.75	465	286.75	1,412	325.75	1,332	364.75	1,174	403.75	1,31	442.75	1,004
75	465	248.75	1,117	287.75	1,272	326.75	1,31	365.75	1,174	404.75	1,31	443.75	1,006
76	483	249.75	1,149	288.75	1,111	327.75	1,19	366.75	1,174	405.75	1,33	444.75	1,004
75	485	250.75	1,169	289.75	1,165	328.75	1,249	367.75	1,175	406.75	1,31	445.75	1,004
75	485	251.75	1,095	290.75	1,322	329.75	1,251	368.75	1,175	407.75	1,35	446.75	1,002
75	484	252.75	1,124	291.75	1,31	330.75	1,231	369.75	1,175	408.75	1,32	447.75	1,004
76	483	253.75	1,1322	292.75	1,373	331.75	1,273	370.75	1,175	409.75	1,31	448.75	1,003
												449.75	1,003

89	554	116.18	565	155.18	1,648	194.18	1,742	333.17	1,412	373.16	11	401.17	1231
44	563	117.18	561	156.18	1,777	195.18	1,752	341.17	4	373.16	1218	412.17	1173
18	569	119.18	564	157.16	1,885	196.18	1,874	355.12	141	374.17	1237	413.17	1199
18	564	119.18	559	158.18	1,975	197.18	1,492	336.18	1382	375.18	1205	414.17	1201
18	565	120.18	563	159.18	1,863	198.18	1,442	337.17	372	376.17	1205	415.17	1231
18	567	121.17	55	160.17	1,135	199.18	1,164	333.17	162	377.17	1204	416.17	11
18	553	122.18	551	161.18	1,196	200.18	1,191	333.17	333	378.17	1204	417.17	11
18	562	123.18	552	162.18	1,252	201.18	1,143	340.18	144	379.18	1212	418.17	11
18	555	124.18	55	163.18	1,391	202.18	1,117	341.18	137	380.17	1213	419.17	1199
18	553	125.18	548	164.18	1,321	203.18	1,143	342.17	13	381.17	1214	420.17	1197
18	551	126.18	554	165.18	1,355	204.18	1,144	341.17	1322	382.17	1203	421.17	1196
17	549	127.18	554	166.18	1,381	205.18	1,355	344.17	115	383.17	1211	422.17	1196
17	552	128.18	549	167.17	1,404	206.17	1,116	345.17	1388	384.17	1201	423.17	1201
18	553	129.18	55	168.18	1,418	207.18	1,177	346.18	1301	385.18	1211	424.17	1211
18	553	130.18	55	169.18	1,429	208.17	1,141	347.17	1294	386.17	1201	425.17	1198
18	553	131.18	552	170.18	1,433	209.17	1,103	348.18	129	387.17	1199	426.17	1201
18	556	132.18	557	171.18	1,436	210.18	1,167	349.18	1203	388.17	1199	427.17	1199
18	559	133.18	553	172.17	1,44	211.18	1,139	350.17	1278	389.17	1211	428.17	1193
17	564	134.17	555	173.17	1,44	212.17	1,113	351.17	1272	390.17	1201	429.17	1198
18	561	135.18	557	174.18	1,432	213.18	1,133	352.18	1266	391.17	12	430.17	1196
18	566	136.18	558	175.18	1,441	214.18	1,136	353.18	1262	392.17	1197	431.17	1203
18	571	137.18	555	176.18	1,426	215.17	1,117	354.17	1257	393.17	1199	432.17	1199
18	57	138.18	55	177.18	1,413	216.17	1,111	355.17	1253	394.17	1201	433.17	1196
18	57	139.18	559	178.18	1,392	217.18	1,133	356.17	1249	395.17	1201	434.17	1198
17	571	140.17	557	179.17	1,333	218.17	1,159	357.17	1244	396.17	121	435.17	1202
18	571	141.18	565	180.18	1,13	219.17	1,117	358.17	124	397.17	1199	436.17	119
18	571	142.18	57	181.18	1,231	220.17	1,116	359.17	1237	398.17	1198	437.17	1199
18	565	143.18	573	182.18	1,163	221.17	1,114	360.17	1234	399.17	1201	438.17	121
18	571	144.18	591	183.18	1,184	222.17	1,114	361.17	1231	400.17	1202	439.17	1199
18	569	145.18	525	224.18	1,119	223.17	1,157	362.17	1229	401.17	121	440.17	121
17	566	146.18	562	225.18	1,177	224.17	1,141	363.17	1225	402.17	121	441.17	119
17	573	147.18	521	226.17	1,132	225.17	1,114	364.18	122	403.17	121	442.17	1199
18	573	148.18	541	227.18	1,109	226.17	1,109	365.18	1221	404.17	119	443.17	121
18	577	149.18	549	228.18	1,194	227.17	1,111	366.17	1219	405.17	119	444.17	1198
18	573	150.18	543	229.18	1,162	228.18	1,115	367.18	1213	406.17	121	445.17	121
18	573	151.18	571	290.18	1,144	229.17	1,113	368.18	1215	407.17	1214	446.17	1198
18	57	152.18	537	291.17	1,021	230.17	1,145	369.17	1214	408.17	121	447.17	119
18	569	153.18	539	292.17	1,191	231.17	1,137	370.17	1213	409.17	1199	448.17	121
18	567	154.18	5484	293.17	1,122	232.17	1,115	371.17	1211	410.17	121	449.17	119

87	1677	287.99	1692	298.99	1671	269.99	1636	288.99	16022	321.99	1734	362.99	1627
88	1666	288.99	1691	299.99	166	278.99	16356	281.99	16551	322.99	1749	363.99	1622
89	1658	289	1697	300.99	1656	271.99	16355	282.99	16576	323.99	1777	364.99	1616
90	1668	290	1694	301.99	1658	272.99	16329	283.99	16301	324.99	1657	365.99	1614
91	167	291.99	1693	302.99	1653	273.99	16319	284.99	16744	325.99	1641	366.99	1609
92	1677	292.99	1702	303.99	1613	274.99	16325	285.99	169	326.99	1621	367.99	1606
93	1671	293.99	1703	304.99	1634	275.99	16324	286.99	16127	327.99	1635	368.99	1612
94	1665	294.99	1695	305.99	1635	276.99	16337	287.99	16373	328.99	1604	369.99	1609
95	1661	295.99	1693	306.99	163	277.99	16324	288.99	16316	329.99	1654	370.99	1605
96	1662	296.99	1692	307.99	1637	278.99	16383	289.99	16458	330.99	1649	371.99	1603
97	166	297.99	1689	308.99	1633	279.99	16331	290.99	16414	331.99	1636	372.99	1601
98	1652	298.99	1687	298	1671	288.99	1638	311.99	16372	332.99	1619	372.99	1608
99	166	299.99	1685	300.99	1659	281.99	16354	312.99	16324	333.99	1635	374.99	1604
00	1656	298.99	1687	301.99	2145	282.99	16323	313.99	16132	334.99	149	375.99	1602
01	1658	299.99	1678	292.99	2381	283.99	16483	314.99	16236	335.99	1405	376.99	1601
02	1655	292.99	1677	293.99	21574	284.99	16434	315.99	16192	336.99	1462	377.99	160
03	1658	293.99	1682	294.99	21748	285.99	16364	316.99	16157	337.99	1452	378.99	1676
04	1657	294.99	1672	295.99	21393	286.99	16383	317.99	16125	338.99	14	379.99	1676
05	1662	295.99	1672	296.99	21997	287.99	16323	318.99	16086	339.99	1429	380.99	1675
06	1661	296.99	1673	297.99	31893	288.99	16187	319.99	16053	340.99	1417	381.99	1673
07	1666	297.99	167	299.99	312	289.99	16087	320.99	16018	341.99	1406	382.99	1671
08	1671	298.99	1671	289.99	31285	290.99	16034	321.99	1602	342.99	1398	383.99	1671
09	1671	299.99	168	298.99	31346	291.99	16115	322.99	16055	343.99	139	384.99	1669
10	1677	300.99	168	281.99	31402	292.99	16123	323.99	16029	344.99	138	385.99	1668
11	1678	301.99	1675	292.99	31456	293.99	16133	324.99	16099	345.99	1372	386.99	1665
12	1682	302.99	1676	293.99	31496	294.99	16134	325.99	1611	346.99	134	387.99	1665
13	1682	303.99	1681	294.99	31533	295.99	16143	326.99	16146	347.99	137	388.99	1666
14	1678	304.99	1672	295.99	31556	296.99	16147	327.99	16114	348.99	1349	389.99	1667
15	1683	305.99	1678	296.99	31538	297.99	16146	328.99	16112	349.99	1344	390.99	1666
16	1687	306.99	1671	297.99	31596	298.99	16173	329.99	1611	350.99	1336	391.99	1661
17	1688	307.99	167	296.99	31615	299.99	16184	330.99	1615	351.99	133	392.99	1661
												393.99	1663
												394.99	1661
												395.99	1661
												396.99	1658
												397.99	1655
												398.99	1656

85	442	216.87	421	254.87	2,446	292.86	1,122	328.87	1,102	366.87	1,115	406.87	1,228
86	445	217.86	423	255.86	2,594	293.86	1,108	331.86	1,102	369.86	1,115	407.86	1,226
87	448	218.87	423	256.87	2,696	294.87	1,135	332.87	1,102	370.87	1,116	408.86	1,224
88	448	219.86	424	257.86	2,789	295.86	1,152	333.86	1,102	371.86	1,116	409.86	1,226
89	454	220.87	418	258.87	2,881	294.87	1,157	334.87	1,102	372.87	1,116	410.86	1,227
90	46	221.86	416	259.86	2,955	297.86	1,156	335.86	1,102	373.86	1,116	411.86	1,225
91	45	222.87	412	260.87	3,014	292.87	1,133	336.87	1,112	374.86	1,116	412.87	1,225
92	451	223.86	413	261.86	3,074	299.86	1,132	337.86	1,103	375.86	1,116	413.86	1,226
93	453	224.87	417	262.87	3,113	298.87	1,124	338.86	1,103	376.86	1,116	414.87	1,228
94	457	225.86	407	263.86	3,146	291.86	1,113	339.86	1,103	377.86	1,117	415.86	1,226
95	449	226.87	413	264.87	3,176	292.87	1,136	340.87	1,103	379.86	1,117	416.86	1,226
96	457	227.86	417	265.86	3,195	293.86	1,134	341.86	1,104	379.86	1,119	417.86	1,226
97	456	228.87	418	266.87	3,219	294.87	1,132	342.87	1,105	380.87	1,121	418.87	1,225
98	459	229.86	417	267.86	3,233	295.86	1,151	343.86	1,104	381.86	1,119	419.86	1,224
99	46	230.87	418	268.87	3,242	296.87	1,157	344.86	1,105	382.87	1,119	420.87	1,224
00	459	231.86	423	269.86	3,251	297.86	1,168	345.86	1,106	383.86	1,121	421.86	1,224
01	46	232.87	421	270.87	3,258	298.86	1,172	346.87	1,106	384.87	1,121	422.86	1,227
02	456	233.86	425	271.86	3,261	299.86	1,177	347.86	1,106	385.86	1,121	423.86	1,228
03	451	234.87	426	272.86	3,265	300.87	1,155	348.87	1,107	386.87	1,121	424.87	1,228
04	449	235.86	425	273.86	3,266	311.86	1,157	349.86	1,107	387.86	1,121	425.86	1,228
05	437	236.87	427	274.87	3,254	312.87	1,147	350.87	1,107	388.87	1,123	426.87	1,226
06	432	237.86	418	275.86	3,256	313.86	1,141	351.86	1,108	389.86	1,124	427.86	1,224
07	429	238.87	421	276.87	3,251	314.87	1,133	352.87	1,108	390.87	1,123	428.86	1,226
08	422	239.86	422	277.86	3,242	315.86	1,128	353.86	1,109	391.86	1,121	429.86	1,226
09	412	240.87	43	278.87	3,229	316.87	1,123	354.87	1,109	392.86	1,121	430.87	1,228
10	416	241.86	431	279.86	3,214	317.86	1,111	355.86	1,111	393.86	1,121	431.86	1,230
11	415	242.86	435	280.87	3,192	318.87	1,116	356.86	1,111	394.87	1,121	432.87	1,227
12	408	243.86	445	281.86	3,157	319.86	1,114	357.86	1,111	395.86	1,124	433.86	1,223
13	408	244.87	471	282.87	3,092	320.87	1,111	358.87	1,111	396.87	1,123	434.87	1,229
14	409	245.86	515	283.86	2,992	321.86	1,111	359.86	1,111	397.86	1,122	435.86	1,228
15	408	246.87	527	284.87	2,908	322.87	1,109	360.87	1,112	398.87	1,123	436.87	1,227
16	414	247.86	513	285.86	2,873	323.86	1,106	361.86	1,111	399.86	1,127	437.86	1,227
17	412	248.87	1,082	286.87	2,862	324.86	1,105	362.87	1,113	400.87	1,125	438.87	1,227
18	417	249.86	1,419	287.86	2,837	325.86	1,105	363.86	1,113	401.86	1,126	439.86	1,229
19	419	250.87	1,661	288.87	2,737	326.86	1,104	364.87	1,113	402.87	1,126	440.86	1,222
20	421	251.86	1,853	289.86	2,733	327.86	1,103	365.86	1,113	403.86	1,124	441.86	1,225
21	42	252.87	2,085	290.86	2,645	328.87	1,103	366.87	1,114	404.87	1,124	442.87	1,229
22	422	253.86	2,28	291.86	2,557	329.86	1,103	367.86	1,114	405.86	1,126	443.86	1,227
												444.86	1,226
												445.86	1,226
												446.86	1,226
												447.86	1,227
												448.86	1,225
												449.86	1,225



117	223.7	1185	228.7	1186	227.7	1198	224.71	1188	271.7	1181	428.7	1185
117	224.7	1183	229.7	1188	229.7	1198	225.7	1184	272.7	1181	429.69	1187
117	225.7	1186	229.71	1171	229.7	1199	226.71	1185	273.7	1182	428.7	1188
114	226.71	1187	223.7	1174	228.71	1199	227.7	1186	274.7	1181	411.7	1189
117	227.7	1182	224.71	1175	228.7	1191	228.7	1186	275.7	1182	412.7	1187
118	228.71	1186	225.7	1176	222.7	1191	229.7	1187	276.7	1183	413.7	1189
117	229.7	1183	226.71	1177	223.7	1193	229.7	1188	277.7	1184	414.7	1187
112	229.71	1183	227.7	1179	224.7	1193	229.7	1188	278.7	1184	415.7	1189
119	231.7	1182	228.71	118	225.7	1195	229.7	1188	279.7	1185	416.7	1189
114	232.71	1181	229.7	118	226.71	1195	229.7	1188	280.7	1185	417.7	1187
117	233.7	1198	228.71	1191	227.7	1186	224.7	1181	281.7	1186	418.71	1189
119	234.71	1182	221.7	1181	228.7	1187	225.7	1182	282.71	1186	419.7	1189
118	235.7	1186	222.7	1182	229.7	1188	226.71	1182	283.7	1187	420.71	1188
119	236.71	1184	223.7	1183	228.71	1189	227.7	1183	284.71	1187	421.7	1187
118	237.7	1181	224.7	1183	221.7	1188	228.71	1184	285.7	1189	422.7	1187
118	238.71	1198	225.7	1184	222.7	1189	229.7	1185	286.7	1188	425.7	1172
114	239.7	1182	226.7	1185	223.7	1191	230.7	1185	287.7	1189	424.7	1172
118	240.7	1196	227.7	1185	224.71	1191	231.7	1187	288.7	1186	425.7	1174
116	241.7	1195	228.7	1185	225.7	1191	232.71	1187	289.7	1183	426.7	1171
114	242.71	1192	229.7	1186	226.71	1192	233.7	1188	290.7	1184	427.7	1169
111	243.7	1187	228.71	1186	227.7	1193	234.7	1187	291.7	1184	428.7	1172
113	244.71	1181	221.7	1188	228.7	1192	235.7	1183	292.7	1185	429.7	1187
114	245.7	1187	222.71	1188	229.7	1193	236.7	1189	293.7	1184	430.7	1171
118	246.71	1145	223.7	1188	228.71	1194	237.7	1141	294.7	1184	431.7	1177
119	247.7	1138	224.71	1189	221.7	1195	238.7	1141	295.7	1182	432.71	1176
111	248.71	1182	225.7	119	222.71	1194	239.7	1142	296.7	1183	433.7	1181
115	249.7	1189	226.71	1189	223.7	1195	238.7	1144	297.7	1181	434.7	1173
111	250.71	1115	227.7	1191	224.7	1195	239.7	1145	298.7	1182	435.7	1174
116	251.7	1191	228.7	1191	225.7	1197	240.7	1145	299.7	1187	436.71	1173
111	252.71	1134	229.7	1192	226.7	1197	241.7	1146	300.7	1187	437.7	1174
118	253.7	1131	228.71	1192	227.7	1198	242.7	1146	301.7	1186	438.71	1173
111	254.71	1141	221.7	1193	228.71	1199	243.7	1147	302.7	1186	439.7	1173
117	255.7	1154	222.7	1193	229.7	1192	244.7	1147	303.7	1185	440.7	1171
119	256.71	1154	223.7	1194	228.7	1192	245.7	1148	304.7	1184	441.7	1171
117	257.7	1154	224.7	1194	231.7	1191	246.71	1149	305.7	1186	442.7	1176
118	258.71	1186	225.7	1196	232.71	1192	247.7	1145	306.7	1187	443.7	1175
118	259.7	1186	226.7	1197	233.7	1192	248.7	1145	307.7	1188	444.7	1175
											445.7	1176
											446.7	1174
											447.7	1176
											448.7	1174
											449.7	1175

193.33	.392	193.33	.334	255.33	.334	277.33	.537	319.33	.693	361.33	.143	403.33	.1
194.33	.399	194.33	.336	256.33	.329	278.33	.629	320.33	.684	362.33	.142	404.33	.097
195.33	.399	195.33	.34	257.33	.325	279.33	.652	321.33	.633	363.33	.142	405.33	.196
196.33	.395	196.33	.346	258.33	.328	280.33	.6544	322.33	.686	364.33	.139	406.33	.298
197.33	.394	197.33	.35	259.33	.333	281.33	2.011	323.33	.684	365.33	.139	407.33	.099
198.33	.391	198.33	.354	260.33	.335	282.33	2.355	324.33	.56	366.33	.137	408.33	.094
199.33	.384	199.33	.36	261.33	.331	283.33	2.687	325.33	.535	367.33	.136	409.33	.092
200.33	.381	200.33	.36	262.33	.333	284.33	2.769	326.33	.512	368.33	.135	410.33	.093
201.33	.378	201.33	.362	263.33	.328	285.33	2.883	327.33	.486	369.33	.133	411.33	.093
202.33	.367	202.33	.357	264.33	.328	286.33	2.938	328.33	.462	370.33	.132	412.33	.088
203.33	.363	203.33	.359	265.33	.324	287.33	2.951	329.33	.443	371.33	.131	413.33	.089
204.33	.36	204.33	.361	266.33	.321	288.33	2.963	330.33	.422	372.33	.128	414.33	.09
205.33	.365	205.33	.353	267.33	.32	289.33	2.957	331.33	.401	373.33	.127	415.33	.089
206.33	.34	206.33	.35	268.33	.312	290.33	2.936	332.33	.381	374.33	.125	416.33	.086
207.33	.339	207.33	.355	269.33	.315	291.33	2.994	333.33	.36	375.33	.124	417.33	.085
208.33	.333	208.33	.35	250.33	.318	292.33	2.843	334.33	.342	376.33	.122	418.33	.085
209.33	.333	209.33	.346	251.33	.32	293.33	2.771	335.33	.327	377.33	.121	419.33	.083
210.33	.325	210.33	.353	252.33	.321	294.33	2.672	336.33	.312	378.33	.119	420.33	.08
211.33	.329	211.33	.351	253.33	.325	295.33	2.533	327.33	.296	379.33	.12	421.33	.078
212.33	.34	212.33	.351	254.33	.324	296.33	2.388	338.33	.281	380.33	.119	422.33	.079
213.33	.313	213.33	.35	255.33	.325	297.33	2.225	339.33	.266	381.33	.118	423.33	.082
214.33	.31	214.33	.351	256.33	.325	298.33	2.079	340.33	.252	382.33	.117	424.33	.08
215.33	.31	215.33	.35	257.33	.321	299.33	1.963	341.33	.242	383.33	.117	425.33	.079
216.33	.297	216.33	.34	258.33	.323	300.33	1.851	342.33	.232	384.33	.115	426.33	.078
217.33	.297	217.33	.339	259.33	.322	301.33	1.736	343.33	.222	385.33	.114	427.33	.074
218.33	.296	218.33	.332	260.33	.323	302.33	1.634	344.33	.213	386.33	.114	428.33	.074
219.33	.296	219.33	.337	261.33	.322	303.33	1.529	345.33	.204	387.33	.112	429.33	.072
220.33	.291	220.33	.328	262.33	.323	304.33	1.442	346.33	.198	388.33	.111	430.33	.071
221.33	.29	221.33	.33	263.33	.325	305.33	1.372	347.33	.193	389.33	.112	431.33	.077
222.33	.289	222.33	.331	264.33	.324	306.33	1.302	348.33	.188	390.33	.111	432.33	.077
223.33	.287	223.33	.323	265.33	.327	307.33	1.23	349.33	.183	391.33	.109	433.33	.068
224.33	.288	224.33	.321	266.33	.327	308.33	1.166	350.33	.177	392.33	.106	434.33	.069
225.33	.281	225.33	.323	267.33	.329	309.33	1.098	351.33	.176	393.33	.107	435.33	.073
226.33	.278	226.33	.316	268.33	.324	310.33	1.042	352.33	.17	394.33	.108	436.33	.067
227.33	.273	227.33	.325	269.33	.327	311.33	.998	353.33	.167	395.33	.108	437.33	.067
228.33	.265	228.33	.323	270.33	.335	312.33	.953	354.33	.164	396.33	.105	438.33	.067
229.33	.289	229.33	.334	271.33	.345	313.33	.907	355.33	.16	397.33	.103	439.33	.066
230.33	.304	230.33	.337	272.33	.35	314.33	.865	356.33	.156	398.33	.101	440.33	.063
231.33	.317	231.33	.333	273.33	.365	315.33	.822	357.33	.152	399.33	.104	441.33	.06
232.33	.327	232.33	.339	274.33	.386	316.33	.784	358.33	.15	400.33	.103	442.33	.063
233.33	.33	233.33	.34	275.33	.419	317.33	.756	359.33	.148	401.33	.101	443.33	.064
234.33	.326	234.33	.333	276.33	.469	318.33	.725	360.33	.145	402.33	.101	444.33	.06
												445.33	.061
												446.33	.059
												447.33	.05
												448.33	.058
												449.33	.056

158.41	.469	193.4	.418	285.4	.417	277.4	.627	319.4	1.243	361.4	.22	493.4	.192
159.77	.488	194.4	.421	286.4	.423	278.4	.727	320.4	1.186	362.4	.219	484.4	.19
161.4	.488	195.4	.42	287.4	.414	279.4	1.093	321.4	1.126	363.4	.216	495.4	.187
163.4	.482	196.41	.426	288.4	.411	280.4	1.092	322.4	1.075	364.4	.216	486.4	.189
165.4	.486	197.4	.434	289.4	.416	281.4	1.108	323.4	1.032	365.4	.215	487.4	.187
166.4	.483	198.41	.443	290.4	.422	282.4	1.445	324.4	.988	366.4	.214	488.4	.181
167.4	.489	199.4	.444	291.4	.427	283.4	1.722	325.4	.941	367.4	.212	499.4	.178
168.41	.477	200.4	.456	292.4	.422	284.4	1.89	326.4	.898	368.4	.213	488.4	.177
169.4	.483	201.4	.455	293.4	.421	285.4	1.816	327.4	.848	369.4	.212	411.4	.172
170.41	.474	202.4	.454	294.4	.419	286.4	1.869	328.4	.807	370.4	.213	412.4	.167
171.4	.478	203.4	.458	295.4	.416	287.4	1.165	329.4	.772	371.4	.194	413.4	.165
172.4	.48	204.4	.455	296.4	.425	288.4	1.134	330.4	.735	372.4	.209	414.4	.165
173.4	.458	205.4	.453	297.4	.416	289.4	1.141	331.4	.695	373.4	.209	415.4	.159
174.4	.45	206.4	.452	298.4	.408	290.4	1.158	332.4	.65	374.4	.208	416.4	.155
175.4	.45	207.4	.454	299.4	.411	291.4	1.156	333.4	.62	375.4	.207	417.4	.151
176.41	.446	208.4	.454	300.41	.413	292.4	1.168	334.4	.586	376.4	.208	418.4	.146
177.4	.44	209.4	.451	301.4	.412	293.4	1.188	335.4	.558	377.4	.208	419.4	.141
178.4	.429	210.4	.453	302.4	.42	294.4	1.195	336.4	.529	378.4	.207	420.41	.137
179.4	.426	211.4	.455	303.4	.419	295.4	1.21	337.4	.499	379.4	.207	421.4	.13
180.4	.417	212.4	.457	304.4	.424	296.4	1.21	338.4	.472	380.4	.209	422.4	.128
181.4	.416	213.4	.461	305.4	.427	297.4	1.225	339.4	.442	381.4	.209	423.4	.127
182.4	.407	214.4	.453	306.4	.432	298.4	1.175	340.4	.418	382.4	.209	424.4	.123
183.4	.406	215.4	.458	307.4	.439	299.4	1.13	341.4	.399	383.4	.208	425.4	.12
184.4	.404	216.4	.446	308.4	.428	300.4	1.066	342.4	.38	384.4	.209	426.4	.117
185.4	.39	217.4	.452	309.4	.428	301.4	1.271	343.4	.359	385.4	.209	427.4	.109
186.4	.391	218.4	.442	310.4	.428	302.4	1.365	344.4	.342	386.41	.208	428.4	.108
187.4	.387	219.4	.438	311.4	.426	303.4	1.738	345.4	.326	387.4	.206	429.4	.1
188.41	.385	220.4	.431	312.4	.432	304.4	1.614	346.4	.312	388.4	.207	430.4	.098
189.4	.379	221.4	.431	313.4	.426	305.4	1.511	347.4	.281	389.4	.209	431.4	.082
190.41	.382	222.4	.46	314.4	.43	306.4	1.393	348.4	.261	390.4	.209	432.4	.099
191.4	.38	223.4	.421	315.4	.43	307.4	1.27	349.4	.252	391.4	.205	433.4	.09
192.4	.378	224.4	.416	316.4	.426	308.4	1.154	350.4	.24	392.4	.204	434.4	.089
193.4	.374	225.4	.415	317.4	.427	309.4	1.031	351.4	.234	393.4	.205	435.4	.089
194.41	.378	226.4	.411	318.4	.427	310.4	1.927	352.41	.257	394.4	.206	436.41	.083
195.4	.367	227.4	.413	319.4	.432	311.4	.843	353.4	.252	395.4	.204	437.4	.083
196.4	.37	228.4	.414	320.4	.435	312.4	1.755	354.41	.247	396.4	.202	438.4	.081
197.4	.381	229.4	.425	321.4	.439	313.4	1.664	355.4	.239	397.4	.199	439.4	.078
198.4	.396	230.4	.423	322.4	.447	314.4	1.584	356.4	.235	398.4	.198	440.4	.076
199.4	.4	231.4	.431	323.4	.461	315.4	1.497	357.4	.23	399.4	.199	441.4	.069
200.4	.41	232.41	.419	324.4	.484	316.41	1.425	358.4	.227	400.4	.199	442.4	.073
201.4	.42	233.4	.425	325.4	.516	317.4	1.366	359.4	.224	401.4	.197	443.4	.072
202.4	.418	234.4	.422	326.4	.568	318.4	1.386	360.4	.222	402.4	.196	444.4	.069
												445.4	.069
												446.4	.066
												447.4	.065
												448.4	.064
												449.4	.062

181.01	.334	193.02	.281	235.02	.282	277.01	.459	319.01	.544	361.01	.114	493.01	.053
181.39	.335	194.01	.287	236.01	.279	278.01	.54	320.01	.525	362.01	.11	494.01	.051
181.02	.335	195.01	.291	237.01	.281	279.01	.76	321.01	.507	363.01	.108	495.01	.05
181.01	.336	196.01	.294	238.01	.277	280.01	1.316	322.01	.487	364.01	.105	496.01	.051
181.02	.326	197.02	.381	239.02	.276	281.01	1.76	323.01	.472	365.01	.103	497.01	.052
181.01	.327	198.01	.295	240.01	.283	282.01	1.074	324.01	.457	366.01	.1	498.01	.05
181.02	.327	199.02	.387	241.01	.278	283.02	2.294	325.01	.441	367.01	.097	499.01	.047
181.01	.325	200.01	.381	242.01	.274	284.01	2.356	326	.425	368.01	.095	500.01	.047
181.02	.318	201.01	.386	243.01	.273	285.01	2.356	327.01	.409	369.01	.094	501.01	.047
181.01	.313	202.01	.381	244.01	.278	286.01	1.219	328.01	.391	370.01	.09	502.01	.044
181.02	.317	203.01	.3	245.02	.274	287.01	2.272	329.01	.379	371.01	.088	503.01	.043
181.01	.381	204.01	.297	246.01	.274	288.01	1.219	330.01	.365	372.01	.087	504.01	.044
181.02	.297	205.01	.294	247.01	.27	289.01	2.155	331.01	.351	373.01	.085	505.01	.044
181.01	.287	206.01	.291	248.01	.263	290.01	2.086	332	.338	374.01	.082	506.01	.042
181.02	.29	207.01	.288	249.01	.259	291.01	2.006	333.01	.325	375.01	.08	507.01	.042
181.01	.288	208	.288	250.01	.262	292.01	1.907	334.01	.31	376	.078	508.01	.04
181.02	.283	209.02	.284	251.02	.259	293.01	1.814	335.01	.301	377.01	.077	509.01	.039
181.01	.28	210.01	.289	252.01	.268	294.01	1.719	336.01	.29	378	.075	510.01	.038
181.02	.275	211.02	.294	253.02	.27	295.01	1.684	337.01	.279	379.01	.074	511.01	.034
181.01	.273	212.01	.29	254.01	.27	296.01	1.497	338.01	.268	380.01	.073	512.01	.034
181.02	.266	213.02	.294	255.01	.269	297.01	1.392	339.01	.257	381.01	.074	513.01	.038
181.01	.264	214.01	.294	256.01	.276	298.01	1.294	340.01	.245	382.01	.07	514.01	.038
181.02	.262	215.02	.291	257.02	.272	299.01	1.223	341.01	.237	383.01	.07	515.01	.039
181.01	.263	216.01	.289	258.01	.272	300.01	1.163	342.01	.228	384.01	.069	516.01	.037
181.02	.255	217.02	.286	259.01	.269	301.02	1.097	343.01	.219	385.01	.069	517.01	.033
181.01	.252	218.01	.286	260.01	.273	302.01	1.043	344	.21	386.01	.067	518.01	.033
181.02	.256	219.02	.284	261.01	.274	303.01	.991	345.01	.202	387.01	.065	519.01	.033
181.01	.249	220.01	.283	262.01	.27	304.01	.941	346.01	.193	388.01	.064	520.01	.028
181.02	.248	221.01	.281	263.02	.267	305.01	.905	347.01	.186	389.01	.066	521.01	.035
181.01	.253	222.01	.274	264.01	.275	306	.872	348.01	.181	390.01	.064	522.01	.038
181.02	.241	223.02	.274	265.02	.27	307.01	.835	349.01	.175	391.01	.062	523.01	.033
181.01	.239	224.01	.27	266.01	.279	308.01	.803	350.01	.169	392	.06	524.01	.028
181.02	.236	225.01	.277	267.01	.276	309.01	.771	351.01	.162	393.01	.06	525.01	.033
181.01	.235	226.01	.273	268.01	.278	310.01	.739	352.01	.156	394.01	.061	526.01	.031
181.02	.233	227.02	.275	269.02	.278	311.01	.715	353.02	.151	395.01	.06	527.02	.032
181.01	.229	228.01	.276	270.01	.279	312.01	.693	354.01	.146	396	.059	528.01	.03
181.02	.246	229.02	.289	271.01	.289	313.01	.669	355.01	.141	397.01	.056	529.02	.029
181.01	.251	230.01	.291	272.01	.289	314.01	.645	356.01	.135	398.01	.053	530.01	.03
181.01	.266	231.01	.29	273.01	.308	315.01	.623	357.01	.131	399.01	.055	531.01	.023
181.01	.275	232.01	.29	274.01	.329	316.01	.599	358.01	.125	400.01	.057	532.01	.025
181.02	.283	233.02	.285	275.01	.36	317.02	.581	359.01	.121	401.01	.057	533.01	.03
181.01	.29	234.01	.287	276.01	.395	318.01	.564	360.01	.118	402.01	.054	534.01	.027
												445.01	.029
												446.01	.027
												447.01	.026
												448.01	.027
												449.01	.026

171.45	.299	194.45	.25	226.45	.236	278.45	.555	320.45	.447	362.45	.647	404.45	.614
172.02	.298	195.45	.242	227.45	.235	279.45	.528	321.45	.426	363.45	.643	405.45	.613
172.45	.298	196.45	.248	228.45	.233	280.45	1.411	322.45	.408	364.45	.641	406.45	.617
173.45	.293	197.45	.256	229.45	.235	281.45	1.723	323.45	.394	365.45	.638	407.45	.617
174.45	.283	198.45	.256	240.45	.233	282.45	1.905	324.45	.378	366.45	.636	408.45	.614
175.45	.28	199.45	.256	241.45	.227	283.45	1.951	325.45	.36	367.45	.633	409.45	.613
176.45	.272	200.45	.26	242.45	.227	284.45	1.939	326.45	.344	368.45	.632	410.45	.615
177.45	.274	201.45	.254	243.45	.225	285.45	1.911	327.45	.327	369.45	.63	411.45	.614
178.45	.274	202.45	.254	244.45	.229	286.45	1.872	328.45	.313	370.45	.629	412.45	.613
179.45	.276	203.45	.256	245.45	.226	287.45	1.831	329.45	.3	371.45	.627	413.45	.613
180.45	.254	204.45	.257	246.45	.224	288.45	1.787	330.45	.287	372.45	.626	414.45	.616
181.45	.258	205.45	.252	247.45	.222	289.45	1.736	331.45	.274	373.45	.624	415.45	.614
182.45	.245	206.45	.251	248.45	.214	290.45	1.686	332.45	.263	374.45	.622	416.45	.614
183.45	.248	207.45	.246	249.45	.217	291.45	1.622	333.45	.248	375.45	.621	417.45	.614
184.45	.242	208.45	.247	250.45	.213	292.45	1.555	334.45	.237	376.45	.621	418.45	.614
185.45	.234	209.45	.246	251.45	.224	293.45	1.493	335.45	.228	377.45	.619	419.45	.612
186.45	.239	210.45	.248	252.45	.224	294.45	1.422	336.45	.219	378.45	.618	420.45	.611
187.45	.225	211.45	.249	253.45	.225	295.45	1.343	337.45	.207	379.45	.618	421.45	6E-01
188.45	.225	212.45	.248	254.45	.227	296.45	1.268	338.45	.198	380.45	.619	422.45	.612
189.45	.223	213.45	.243	255.45	.23	297.45	1.193	339.45	.187	381.45	.618	423.45	.615
190.45	.221	214.45	.245	256.45	.228	298.45	1.134	340.45	.178	382.45	.617	424.45	.616
191.45	.218	215.45	.247	257.45	.227	299.45	1.086	341.45	.17	383.45	.616	425.45	.615
192.45	.207	216.45	.244	258.45	.226	300.45	1.038	342.45	.162	384.45	.617	426.45	.614
193.45	.206	217.45	.238	259.45	.224	301.45	.989	343.45	.154	385.45	.616	427.45	.611
194.45	.207	218.45	.243	260.45	.227	302.45	.946	344.45	.146	386.45	.616	428.45	.613
195.45	.205	219.45	.243	261.45	.222	303.45	.922	345.45	.136	387.45	.614	429.45	6E-01
196.45	.203	220.45	.237	262.45	.231	304.45	.865	346.45	.13	388.45	.616	430.45	.612
197.45	.194	221.45	.237	263.45	.224	305.45	.834	347.45	.124	389.45	.617	431.45	.617
198.45	.194	222.45	.238	264.45	.223	306.45	.801	348.45	.118	390.45	.616	432.45	.621
199.45	.197	223.45	.234	265.45	.221	307.45	.768	349.45	.11	391.45	.614	433.45	.61
200.45	.194	224.45	.232	266.45	.226	308.45	.737	350.45	.104	392.45	.613	434.45	.613
201.45	.186	225.45	.227	267.45	.226	309.45	.703	351.45	.107	393.45	.615	435.45	.615
202.45	.188	226.45	.23	268.45	.232	310.45	.675	352.45	.091	394.45	.617	436.45	.612
203.45	.187	227.45	.228	269.45	.235	311.45	.652	353.45	.086	395.45	.616	437.45	.613
204.45	.191	228.45	.232	270.45	.238	312.45	.627	354.45	.081	396.45	.615	438.45	.613
205.45	.195	229.45	.242	271.45	.248	313.45	.6	355.45	.075	397.45	.612	439.45	.612
206.45	.212	230.45	.249	272.45	.256	314.45	.576	356.45	.071	398.45	.613	440.45	.611
207.45	.222	231.45	.246	273.45	.276	315.45	.549	357.45	.064	399.45	.616	441.45	6E-01
208.45	.231	232.45	.243	274.45	.294	316.45	.527	358.45	.061	400.45	.618	442.45	.613
209.45	.241	233.45	.246	275.45	.331	317.45	.508	359.45	.057	401.45	.615	443.45	.612
210.45	.243	234.45	.245	276.45	.378	318.45	.488	360.45	.054	402.45	.615	444.45	.612
211.45	.233	235.45	.246	277.45	.444	319.45	.467	361.45	.049	403.45	.614	445.45	.611
												446.45	.611
												447.45	.612
												448.45	.612
												449.45	.61

193.31	.265	265.31	.258	277.31	.451	319.31	.455	361.31	.893	403.31	.851
194.31	.272	266.31	.26	278.31	.448	320.3	.439	362.3	.881	404.31	.85
195.31	.274	267.31	.254	279.3	.474	321.3	.421	363.3	.88	405.31	.849
196.31	.279	268.31	.255	280.31	1.037	322.3	.485	364.31	.878	406.31	.852
197.31	.278	269.31	.255	281.31	1.794	323.31	.593	365.31	.876	407.31	.853
198.31	.277	270.31	.254	282.31	2.054	324.3	.681	366.31	.875	408.31	.85
199.31	.283	271.31	.249	283.31	2.165	325.3	.666	367.31	.873	409.31	.848
200.31	.285	272.31	.255	284.31	2.188	326.3	.653	368.31	.873	410.3	.849
201.31	.276	273.31	.247	285.31	2.175	327.3	.638	369.31	.871	411.3	.849
202.31	.275	274.31	.248	286.3	2.139	328.3	.625	370.31	.869	412.31	.847
203.31	.278	275.31	.246	287.31	2.1	329.31	.613	371.31	.868	413.31	.846
204.31	.274	276.31	.241	288.31	2.062	330.31	.602	372.3	.866	414.31	.849
205.31	.269	277.31	.241	289.31	2.018	331.31	.59	373.31	.864	415.31	.848
206.31	.264	278.31	.236	290.31	1.971	332.3	.579	374.3	.863	416.3	.847
207.31	.264	279.31	.237	291.3	1.898	333.3	.566	375.3	.861	417.31	.846
208.3	.264	280.31	.237	292.3	1.807	334.31	.556	376.3	.861	418.31	.846
209.31	.263	281.31	.241	293.31	1.707	335.31	.547	377.31	.859	419.31	.845
210.31	.267	282.31	.243	294.31	1.596	336.31	.539	378.3	.858	420.31	.844
211.31	.265	283.31	.244	295.31	1.464	337.3	.528	379.31	.858	421.31	.84
212.31	.27	284.31	.244	296.31	1.344	338.3	.519	380.3	.859	422.3	.844
213.31	.265	285.31	.248	297.31	1.225	339.3	.508	381.31	.858	423.31	.846
214.31	.267	286.31	.249	298.31	1.121	340.3	.498	382.31	.857	424.31	.847
215.31	.265	287.31	.25	299.31	1.062	341.31	.49	383.31	.857	425.31	.845
216.31	.261	288.31	.243	300.31	.999	342.3	.482	384.31	.857	426.3	.844
217.31	.268	289.31	.241	301.31	.94	343.3	.473	385.31	.855	427.31	.842
218.31	.258	290.31	.244	302.31	.891	344.3	.465	386.31	.855	428.3	.843
219.31	.257	291.31	.246	303.3	.843	345.3	.457	387.31	.854	429.3	.84
220.31	.259	292.31	.25	304.31	.884	346.31	.45	388.31	.854	430.31	.841
221.31	.254	293.31	.247	305.31	.872	347.31	.445	389.31	.855	431.31	.846
222.31	.251	294.31	.245	306.3	.844	348.31	.44	390.3	.854	432.3	.85
223.31	.248	295.31	.245	307.31	.812	349.31	.434	391.31	.853	433.31	.839
224.31	.252	296.31	.247	308.3	.884	350.3	.43	392.3	.851	434.3	.841
225.31	.241	297.31	.253	309.3	.855	351.3	.425	393.31	.853	435.3	.844
226.31	.25	298.31	.253	310.3	.829	352.31	.42	394.31	.854	436.3	.841
227.31	.252	299.31	.253	311.31	.809	353.31	.414	395.31	.854	437.31	.841
228.31	.251	300.31	.251	312.3	.789	354.3	.411	396.3	.853	438.3	.84
229.31	.261	271.31	.266	313.31	.666	355.31	.405	397.31	.85	439.31	.84
230.31	.261	272.31	.273	314.31	.546	356.3	.401	398.31	.85	440.3	.84
231.31	.263	273.3	.293	315.3	.524	357.3	.395	399.31	.853	441.3	.833
232.31	.263	274.31	.313	316.31	.505	358.3	.392	400.31	.855	442.3	.839
233.31	.259	275.31	.341	317.31	.489	359.31	.389	401.31	.852	443.31	.84
234.31	.263	276.3	.382	318.31	.472	360.3	.387	402.3	.851	444.3	.838
										445.31	.838
										446.3	.836
										447.3	.837
										448.3	.838
										449.31	.835

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195.61	.01	195.61	8E-03	197.61	-.015	279.61	-.032	321.61	-.025	363.61	-9E-03	405.61	7E-03
196.61	1E-03	196.62	5E-03	198.62	-.013	280.62	-.030	322.61	-.025	364.61	-8E-03	406.61	.011
197.61	-1E-03	197.61	1E-03	199.61	-.018	281.61	-.035	323.61	-.025	365.61	-5E-03	407.61	.01
198.61	1E-03	198.62	-1E-03	200.61	-.017	282.61	-.036	324.61	-.025	366.62	-7E-03	408.61	7E-03
199.61	-1E-03	199.61	1E-03	201.61	-.018	283.61	-.036	325.61	-.024	367.61	-7E-03	409.6	3E-03
200.61	1E-03	200.61	1E-03	202.61	-.015	284.61	-.031	326.61	-.023	368.61	-1E-03	410.61	.01
201.61	-1E-03	201.61	4E-03	203.61	-.019	285.61	-.034	327.61	-.024	369.61	-5E-03	411.61	3E-03
202.61	-1E-03	202.61	0	204.62	-.018	286.61	-.035	328.61	-.023	370.61	-4E-03	412.61	7E-03
203.61	-4E-03	203.61	0	205.61	-.019	287.61	-.037	329.61	-.023	371.61	-5E-03	413.61	3E-03
204.61	0	204.61	0	206.61	-.019	288.61	-.039	330.61	-.022	372.61	-4E-03	414.61	.011
205.61	0	205.61	0	207.61	-.015	289.61	-.038	331.61	-.023	373.61	-4E-03	415.61	.01
206.61	7E-03	206.61	0	208.62	-.013	290.61	-.037	332.61	-.022	374.61	-3E-03	416.61	.01
207.61	3E-03	207.61	0	209.61	-.016	291.61	-.033	333.61	-.021	375.61	-4E-03	417.61	.01
208.61	-3E-03	208.61	-7E-03	210.62	-.013	292.61	-.028	334.62	-.02	376.61	-3E-03	418.61	.01
209.61	-.016	209.61	-1E-03	211.61	-.019	293.61	-.021	335.61	-.021	377.61	-3E-03	419.61	7E-03
210.61	.016	210.62	-7E-03	212.61	-.018	294.61	-.011	336.61	-.02	378.61	-3E-03	420.62	8E-03
211.61	-.016	211.61	-2E-03	213.61	-.015	295.61	3E-03	337.61	-.019	379.61	-3E-03	421.61	6E-03
212.61	-.014	212.62	0	214.61	-.014	296.61	-3E-03	338.61	-.018	380.61	0	422.61	9E-03
213.61	-7E-03	213.61	-4E-03	215.61	-.018	297.61	-.012	339.61	-.019	381.61	0	423.61	.012
214.61	7E-03	214.62	0	216.61	-.016	298.61	-.017	340.61	-.018	382.61	0	424.61	.012
215.61	-7E-03	215.61	-2E-03	217.61	-.018	299.61	-.021	341.61	-.017	383.61	0	425.61	.011
216.61	0	216.62	0	218.61	-.015	300.62	-.023	342.61	-.016	384.61	0	426.61	.011
217.61	0	217.61	-3E-03	219.61	-.015	301.61	-.025	343.61	-.017	385.61	1E-03	427.61	8E-03
218.61	0	218.62	-3E-03	220.61	-.02	302.61	-.026	344.61	-.016	386.61	1E-03	428.61	.011
219.61	5E-03	219.61	-4E-03	221.61	-.017	303.61	-.028	345.61	-.015	387.61	0	429.61	7E-03
220.61	1E-03	220.61	-5E-03	222.62	-.019	304.61	-.028	346.62	-.015	388.61	2E-03	430.61	.011
221.61	4E-03	221.61	-2E-03	223.61	-.017	305.61	-.028	347.61	-.016	389.61	5E-03	431.61	.016
222.61	2E-03	222.61	-6E-03	224.62	-.021	306.61	-.028	348.62	-.014	390.61	4E-03	432.61	.015
223.61	0	223.61	-8E-03	225.61	-.022	307.61	-.03	349.61	-.014	391.61	2E-03	433.61	8E-03
224.61	3E-03	224.61	-.013	226.61	-.021	308.61	-.029	350.61	-.013	392.61	1E-03	434.61	.012
225.61	2E-03	225.61	-8E-03	227.61	-.024	309.61	-.029	351.61	-.014	393.61	5E-03	435.61	.013
226.61	8E-03	226.61	-.014	228.62	-.019	310.61	-.028	352.62	-.013	394.61	7E-03	436.62	.011
227.61	-6E-03	227.61	-9E-03	229.61	-.023	311.61	-.029	353.61	-.012	395.61	5E-03	437.61	.012
228.61	8E-03	228.61	-6E-03	230.61	-.023	312.61	-.028	354.62	-.012	396.61	4E-03	438.61	.013
229.61	-6E-03	229.61	-6E-03	231.61	-.023	313.61	-.028	355.61	-.012	397.61	3E-03	439.61	.013
230.61	6E-03	230.61	-.013	232.61	-.029	314.61	-.028	356.61	-.011	398.61	2E-03	440.61	.01
231.61	6E-03	231.61	-.01	233.61	-.028	315.61	-.028	357.61	-.011	399.61	8E-03	441.61	8E-03
232.61	7E-03	232.62	-.012	234.61	-.033	316.62	-.027	358.61	-.01	400.62	7E-03	442.61	.014
233.61	6E-03	233.61	-7E-03	235.61	-.035	317.61	-.027	359.61	-.011	401.61	7E-03	443.61	.012
234.61	9E-03	234.61	-.011	236.61	-.029	318.61	-.026	360.61	-.01	402.61	8E-03	444.61	.012
235.61	.01	235.61	-.012	237.61	-.031	319.61	-.027	361.61	-9E-03	403.61	6E-03	445.61	.012
236.61	.011	236.61	-9E-03	238.61	-.046	320.61	-.026	362.61	-9E-03	404.61	6E-03	446.61	.011
												447.61	.013
												448.61	.012
												449.61	.011

18	-034	198.67	-041	248.67	-054	282.67	-126	324.67	-061	366.67	-031	408.67	-01
17	-039	199.67	-043	241.67	-052	283.67	-121	325.67	-061	367.67	-029	409.67	-01
17	-037	200.67	-042	242.67	-055	284.67	-116	326.67	-06	368.68	-028	410.67	-0E-03
17	-036	201.67	-042	243.67	-056	285.67	-104	327.67	-06	369.67	-028	411.67	-0E-03
18	-037	202.67	-042	244.67	-055	286.67	-097	328.67	-058	370.67	-027	412.67	-01
17	-049	203.67	-043	245.67	-054	287.67	-095	329.67	-058	371.67	-027	413.67	-0E-03
17	-052	204.67	-039	246.67	-056	288.67	-093	330.67	-057	372.67	-026	414.67	-0E-03
17	-038	205.67	-04	247.67	-054	289.67	-092	331.67	-056	373.67	-026	415.67	-0E-03
18	-039	206.67	-044	248.67	-054	290.67	-089	332.67	-055	374.67	-025	416.67	-0E-03
17	-038	207.67	-038	249.67	-053	291.67	-088	333.67	-055	375.67	-025	417.67	-0E-03
18	-033	208.67	-04	250.67	-055	292.67	-089	334.67	-054	376.67	-024	418.67	-0E-03
17	-037	209.67	-038	251.67	-054	293.67	-088	335.67	-053	377.67	-025	419.67	-0E-03
17	-034	210.67	-046	252.67	-052	294.67	-086	336.67	-052	378.67	-023	420.67	-01
17	-032	211.67	-043	253.67	-057	295.67	-084	337.67	-052	379.67	-022	421.67	-011
17	-038	212.68	-043	254.67	-054	296.67	-084	338.67	-051	380.67	-02	422.67	-0E-03
17	-036	213.67	-043	255.67	-055	297.67	-084	339.67	-05	381.67	-021	423.67	-0E-03
17	-036	214.67	-038	256.67	-055	298.67	-081	340.67	-049	382.67	-02	424.67	-0E-03
17	-029	215.67	-042	257.67	-06	299.67	-08	341.67	-049	383.67	-019	425.67	-0E-03
17	-036	216.67	-045	258.67	-059	300.67	-079	342.67	-048	384.67	-018	426.67	-0E-03
17	-032	217.67	-045	259.67	-053	301.67	-079	343.67	-046	385.67	-019	427.67	-0E-03
17	-031	218.67	-039	260.67	-057	302.67	-077	344.67	-046	386.67	-019	428.67	-0E-03
17	-033	219.67	-044	261.67	-06	303.67	-076	345.67	-046	387.67	-02	429.67	-011
17	-035	220.67	-044	262.67	-057	304.67	-075	346.67	-045	388.67	-017	430.67	-0E-03
17	-039	221.67	-045	263.67	-06	305.67	-075	347.67	-044	389.67	-016	431.67	5E-03
17	-034	222.67	-047	264.68	-059	306.67	-074	348.67	-043	390.67	-016	432.67	2E-03
17	-036	223.67	-045	265.67	-061	307.67	-073	349.67	-043	391.67	-017	433.67	-0E-03
17	-03	224.67	-048	266.67	-06	308.67	-072	350.67	-042	392.67	-018	434.67	-0E-03
17	-033	225.67	-048	267.67	-059	309.67	-072	351.67	-041	393.67	-015	435.67	-1E-03
17	-032	226.67	-049	268.67	-055	310.67	-071	352.67	-039	394.67	-013	436.67	-0E-03
17	-033	227.67	-05	269.67	-065	311.67	-07	353.67	-041	395.67	-014	437.67	-0E-03
17	-037	228.67	-049	270.67	-067	312.67	-069	354.67	-039	396.67	-014	438.67	-0E-03
17	-035	229.67	-056	271.67	-072	313.67	-069	355.67	-037	397.67	-017	439.67	-0E-03
17	-039	230.67	-054	272.67	-081	314.67	-068	356.67	-036	398.67	-014	440.67	-0E-03
17	-042	231.67	-055	273.66	-087	315.67	-067	357.67	-037	399.67	-01	441.67	-0E-03
17	-041	232.68	-053	274.67	-091	316.67	-066	358.67	-035	400.67	-0E-03	442.67	-1E-03
17	-043	233.67	-055	275.67	-1	317.67	-067	359.67	-036	401.67	-011	443.67	-0E-03
17	-037	234.67	-055	276.67	-11	318.67	-065	360.67	-033	402.67	-011	444.67	-0E-03
17	-037	235.67	-057	277.67	-116	319.67	-065	361.67	-034	403.67	-012	445.67	-0E-03
17	-041	236.67	-058	278.67	-124	320.67	-063	362.67	-033	404.67	-012	446.67	-0E-03
17	-038	237.67	-056	279.67	-174	321.67	-063	363.67	-032	405.67	-011	447.67	-0E-03
17	-035	238.67	-052	280.67	-199	322.67	-063	364.67	-031	406.67	-0E-03	448.67	-1E-03
17	-042	239.67	-052	281.67	-166	323.67	-062	365.67	-032	407.67	-0E-03	449.67	-0E-03



.63	193	.656	285	1,987	277	2,253	319	.412	341	.189	403	.195
.63	194	.654	286	1,973	278	2,174	320	.4	342	.189	404	.192
.63	195	.652	287	1,962	279	2,109	321	.388	343	.189	405	.190
.634	196	.66	288	1,959	280	2,065	322	.375	344	.188	406	.195
.634	197	.66	289	1,96	281	1,997	323	.365	345	.18	407	.198
.634	198	.663	290	1,969	282	1,876	324	.355	346	.183	408	.195
.629	199	.669	291	1,977	283	1,805	325	.345	347	.183	409	.193
.631	200	.67	292	1,99	284	1,739	326	.335	348	.183	409	.194
.627	201	.67	293	1,016	285	1,673	327	.325	349	.186	411	.195
.628	202	.672	294	1,039	286	1,605	328	.313	350	.189	412	.191
.615	203	.673	295	1,06	287	1,552	329	.306	351	.19	413	.192
.613	204	.675	296	1,088	288	1,501	330	.297	351	.188	414	.194
.613	205	.675	297	1,121	289	1,444	331	.288	352	.189	415	.196
.605	206	.68	298	1,142	290	1,39	331.99	.279	353	.188	415	.193
.603	207	.678	299	1,167	291	1,334	332	.27	355	.189	417	.194
.604	208	.68	300	1,193	292	1,275	334	.262	356	.188	418	.193
.603	209	.684	301	1,215	293	1,228	335	.255	357	.189	419	.193
.605	210	.682	302	1,24	294	1,185	336	.249	358	.188	420	.191
.608	211	.69	303	1,255	295	1,132	337	.242	359	.188	421	.19
.607	212	.692	304.99	1,265	296	1,083	337	.236	360	.189	421	.19
.615	213	.695	305	1,281	297	1,033	338	.231	361	.19	423	.195
.618	214	.705	306	1,288	297	.981	340	.224	362	.19	424	.195
.616	215	.708	307	1,28	299	.94	341	.22	363	.19	425	.194
.621	216	.714	308	1,295	300	.903	342	.216	363	.19	426	.195
.626	217	.746	309	1,278	301	.859	343	.212	365	.19	427	.192
.629	218	.794	309	1,266	302	.819	344.99	.209	366	.191	428.99	.191
.632	219	.91	311	1,244	303	.779	345	.206	367	.19	429	.192
.633	220	1,166	312	1,222	304	.74	346	.203	368	.19	430	.189
.637	221	1,485	313	1,198	305	.709	347	.202	369	.192	431	.196
.637	222	1,738	314	1,17	305.99	.681	348	.199	370	.193	432	.199
.635	223	2,045	315	1,127	307	.649	349	.198	371	.192	433	.192
.643	224	2,302	316	1,085	308	.621	350	.197	371	.19	434	.19
.643	225	2,524	317	1,027	309	.594	351	.196	373	.191	435	.197
.641	226	2,701	318	1,057	310	.566	352	.193	374	.194	436	.192
.644	227	2,818	319	1,095	311	.546	353	.193	375	.195	437	.193
.651	227	2,893	320	1,032	312.99	.527	354	.192	376	.193	438	.193
.648	229	2,972	321	1,052	313	.506	355	.192	377	.192	439	.193
.654	230	3,009	322	1,075	315	.488	356	.19	378	.19	440	.193
.654	231	3,021	323	1,085	315	.47	357	.19	379	.194	441	.188
.658	232	3,023	324	1,092	316	.451	357	.19	400	.196	442	.191
.651	233	3,014	325	1,015	317	.438	359	.19	401	.194	443	.196
.656	234	3,002	326.99	1,034	318	.426	360	.189	412	.194	443.99	.192
											445	.194
											446	.193
											447	.195
											447.99	.196
											449	.195

.613	196.05	.638	239.05	2.508	280.05	1.768	322.05	.844	364.05	1.166	406.05	1.181
.611	197.06	.634	239.06	2.498	281.06	1.760	323.06	.835	365.06	1.155	407.06	1.185
.611	198.05	.639	240.05	2.492	282.05	1.752	324.05	.825	366.05	1.145	408.05	1.181
.611	199.06	.636	241.06	2.488	283.06	1.768	325.06	.815	367.06	1.135	409.06	1.177
.611	200.05	.636	242.05	2.491	284.05	1.726	326.05	.805	368.05	1.125	410.05	1.182
.608	201.06	.639	243.06	2.499	285.06	1.764	327.06	.797	369.06	1.117	411.06	1.183
.605	202.05	.634	244.05	2.512	286.05	1.702	328.05	.786	370.05	1.106	412.05	1.179
.601	203.06	.631	245.06	2.53	287.06	1.452	329.06	.778	371.06	1.098	413.06	1.173
.597	204.05	.635	246.05	2.547	288.05	1.406	330.05	.771	372.05	1.087	414.05	1.183
.591	205.06	.632	247.06	2.573	289.06	1.352	331.06	.763	373.06	1.073	415.06	1.184
.584	206.05	.633	248.05	2.599	290.05	1.302	332.05	.754	374.05	1.063	416.05	1.182
.592	207.06	.633	249.06	2.631	291.06	1.251	333.06	.746	375.06	1.053	417.06	1.182
.585	208.05	.633	250.05	2.665	292.05	1.199	334.05	.738	376.05	1.043	418.05	1.183
.581	209.06	.636	251.06	2.695	293.06	1.157	335.06	.733	377.06	1.033	419.06	1.182
.586	210.05	.634	252.05	2.723	294.05	1.116	336.05	.726	378.05	1.023	420.05	1.181
.592	211.06	.631	253.06	2.755	295.06	1.071	337.06	.719	379.06	1.013	421.06	1.179
.593	212.05	.637	254.05	2.784	296.05	1.027	338.05	.713	380.05	1.003	422.05	1.182
.597	213.06	.643	255.06	2.812	297.06	.983	339.06	.708	381.06	0.993	423.06	1.185
.598	214.05	.647	256.05	2.836	298.05	.936	340.05	.701	382.05	0.982	424.05	1.185
.603	215.06	.65	257.06	2.853	299.06	.89	341.06	.697	383.06	0.972	425.06	1.185
.603	216.05	.65	258.05	2.863	300.05	.845	342.05	.694	384.05	0.962	426.05	1.185
.61	217.06	.651	259.06	2.871	301.06	.825	343.06	.691	385.06	0.962	427.06	1.182
.609	218.05	.748	260.05	2.873	302.05	.789	344.05	.686	386.05	0.953	428.05	1.182
.611	219.06	.886	261.06	2.868	303.06	.751	345.06	.683	387.06	0.953	429.06	1.182
.611	220.05	1.176	262.05	2.855	304.05	.712	346.05	.678	388.05	0.942	430.05	1.179
.614	221.06	1.492	263.06	2.835	305.06	.683	347.06	.679	389.06	0.943	431.06	1.183
.612	222.05	1.757	264.05	2.814	306.05	.656	348.05	.675	390.05	0.946	432.05	1.179
.622	223.06	2.049	265.06	2.787	307.06	.626	349.06	.674	391.06	0.945	433.06	1.181
.62	224.05	2.303	266.05	2.749	308.05	.596	350.05	.673	392.05	0.943	434.05	1.181
.622	225.06	2.511	267.06	2.704	309.06	.569	351.06	.672	393.06	0.945	435.06	1.183
.625	226.05	2.648	268.05	2.651	310.05	.54	352.05	.67	394.05	0.948	436.05	1.183
.633	227.06	2.729	269.06	2.604	311.06	.52	353.06	.669	395.06	0.949	437.06	1.185
.627	228.05	2.764	270.05	2.553	312.05	.5	354.05	.669	396.05	0.947	438.05	1.185
.629	229.06	2.779	271.06	2.488	313.06	.477	355.06	.668	397.06	0.946	439.06	1.185
.631	230.05	2.763	272.05	2.426	314.05	.46	356.05	.667	398.05	0.945	440.05	1.185
.63	231.06	2.727	273.06	2.354	315.06	.442	357.06	.667	399.06	0.949	441.06	1.183
.637	232.05	2.684	274.05	2.279	316.05	.423	358.05	.666	400.05	0.941	442.05	1.185
.636	233.06	2.652	275.06	2.216	317.06	.409	359.06	.667	401.06	0.939	443.06	1.189
.63	234.05	2.618	276.05	2.155	318.05	.396	360.05	.665	402.05	0.938	444.05	1.185
.633	235.06	2.579	277.06	2.081	319.06	.382	361.06	.666	403.06	0.938	445.06	1.188
.635	236.05	2.552	278.05	2.014	320.05	.369	362.05	.666	404.05	0.938	446.05	1.187
.635	237.06	2.527	279.06	1.94	321.06	.357	363.06	.666	405.06	0.937	447.06	1.189
											448.05	1.19
											449.06	1.189

.494	197.16	.514	239.16	1.31	291.16	.705	322.16	1.21	365.16	1.19	427.16	1.194
.498	198.16	.512	240.16	1.373	292.16	.738	324.16	1.23	366.16	1.17	428.16	1.191
.498	199.16	.513	241.16	1.547	293.16	.764	325.16	1.24	367.16	1.17	429.16	1.191
.5	200.16	.516	242.16	1.525	294.16	.746	326.16	1.25	368.16	1.19	430.16	1.192
.501	201.16	.514	243.16	1.509	295.16	.725	327.16	1.24	369.16	1.18	431.16	1.191
.503	202.16	.514	244.16	1.498	296.16	.704	328.16	1.24	370.16	1.18	432.16	1.189
.498	203.16	.518	245.16	1.49	297.16	.699	329.16	1.29	371.16	1.16	433.16	1.19
.498	204.16	.514	246.16	1.486	298.16	.674	330.16	1.25	372.16	1.17	434.16	1.192
.497	205.16	.515	247.16	1.482	299.16	.657	331.16	1.23	373.16	1.19	435.16	1.192
.49	206.15	.517	248.16	1.479	290.16	.641	332.15	1.29	374.15	1.17	436.15	1.191
.496	207.16	.521	249.16	1.476	291.16	.624	333.16	1.26	375.16	1.17	437.16	1.191
.496	208.15	.525	250.16	1.473	292.15	.608	334.16	1.21	376.16	1.18	438.16	1.191
.501	209.16	.525	251.16	1.47	293.16	.596	335.16	1.19	377.16	1.18	439.16	1.19
.503	210.16	.523	252.16	1.465	294.16	.583	336.16	1.17	378.16	1.16	440.16	1.188
.503	211.16	.526	253.16	1.457	295.16	.568	337.16	1.15	379.16	1.18	441.16	1.185
.502	212.16	.531	254.16	1.449	296.15	.555	338.15	1.12	380.16	1.18	442.15	1.188
.514	213.16	.533	255.16	1.437	297.16	.542	339.16	1.1	381.16	1.19	443.16	1.192
.509	214.16	.539	256.16	1.423	298.16	.528	340.16	1.07	382.16	1.18	444.16	1.192
.517	215.16	.55	257.16	1.407	299.16	.519	341.16	1.07	383.16	1.18	445.16	1.193
.517	216.16	.561	258.16	1.391	300.16	.509	342.16	1.05	384.15	1.19	446.15	1.193
.519	217.16	.568	259.16	1.367	301.16	.498	343.16	1.03	385.16	1.19	447.16	1.19
.523	218.16	.566	260.15	1.342	302.16	.488	344.15	1.01	386.16	1.18	448.15	1.19
.521	219.16	.548	261.16	1.314	303.16	.478	345.16	1	387.16	1.18	449.16	1.189
.521	220.16	1.138	262.16	1.293	304.16	.469	346.16	1.19	388.16	1.19	450.16	1.197
.521	221.16	1.424	263.16	1.259	305.16	.463	347.16	1.19	389.16	1.192	451.16	1.194
.519	222.16	1.705	264.16	1.224	306.16	.455	348.16	1.16	390.15	1.191	452.16	1.196
.523	223.16	2.022	265.16	1.19	307.16	.448	349.16	1.17	391.16	1.19	453.16	1.189
.521	224.16	2.255	266.15	1.155	308.15	.441	350.15	1.14	392.15	1.18	454.15	1.188
.523	225.16	2.457	267.16	1.117	309.16	.434	351.16	1.14	393.16	1.19	455.16	1.193
.523	226.16	2.617	268.16	1.09	310.16	.426	352.16	1.13	394.16	1.191	456.16	1.191
.524	227.16	2.715	269.16	1.046	311.16	.421	353.16	1.13	395.16	1.191	457.16	1.192
.524	228.16	2.755	270.16	1.017	312.15	.416	354.16	1.12	396.15	1.191	458.16	1.19
.524	229.16	2.725	271.16	.992	313.16	.41	355.16	1.191	397.16	1.19	459.16	1.191
.522	230.16	2.624	272.16	.949	314.15	.404	356.15	1.191	398.15	1.19	460.16	1.191
.519	231.16	2.467	273.16	.915	315.16	.409	357.16	1.19	399.16	1.192	461.16	1.184
.523	232.16	3.29	274.16	.862	316.16	.424	358.16	1.19	400.16	1.19	462.15	1.191
.52	233.16	3.145	275.16	.856	317.16	.421	359.16	1.19	401.16	1.193	463.16	1.194
.517	234.15	2.029	276.16	.831	318.16	.435	360.16	1.19	402.16	1.191	464.15	1.191
.521	235.16	1.902	277.16	.803	319.16	.43	361.16	1.19	403.16	1.191	465.16	1.195
.512	236.15	1.803	278.16	.777	320.16	.426	362.15	1.18	404.16	1.19	466.15	1.192
.518	237.16	1.718	279.16	.75	321.16	.421	363.16	1.18	405.16	1.19	467.16	1.195
.517	238.16	1.654	280.16	.725	322.16	.426	364.16	1.18	406.15	1.19	468.16	1.195
											469.16	1.196

78	.435	195.78	.441	237.78	1.045	277.77	.437	321.78	.438	365.77	.432	405.78	.438
73	.44	196.78	.443	238.77	.992	280.78	.435	322.78	.433	364.78	.	406.78	.431
77	.44	197.78	.441	239.77	.954	281.78	.435	323.77	.433	365.77	.431	407.78	.433
78	.437	198.79	.435	240.78	.914	282.78	.431	324.78	.425	366.78	.431	408.78	.434
77	.437	199.78	.438	241.78	.884	283.78	.433	325.77	.421	367.78	.432	409.77	.438
78	.435	200.78	.442	242.78	.859	284.78	.435	326.78	.416	368.78	.431	410.78	.437
78	.43	201.77	.443	243.78	.838	285.77	.431	327.78	.413	369.78	.432	411.78	.437
78	.427	202.79	.443	244.78	.824	286.78	.438	328.78	.41	370.78	.432	412.78	.436
77	.429	203.78	.446	245.78	.814	287.78	.439	329.78	.407	371.78	.433	413.78	.438
78	.423	204.78	.445	246.78	.805	288.78	.435	330.78	.404	372.78	.433	414.78	.431
78	.421	205.78	.449	247.78	.793	289.78	.432	331.77	.401	373.78	.433	415.77	.43
78	.422	206.78	.448	248.78	.783	290.78	.43	332.78	.398	374.78	.433	416.78	.437
78	.418	207.77	.445	249.78	.779	291.77	.436	333.78	.395	375.77	.434	417.77	.439
78	.419	208.78	.45	250.79	.768	292.78	.435	334.78	.393	376.78	.433	418.79	.439
77	.421	209.78	.452	251.78	.758	293.78	.434	335.78	.391	377.77	.434	419.78	.439
78	.424	210.78	.455	252.78	.753	294.78	.433	336.78	.388	378.78	.433	420.78	.436
78	.431	211.78	.454	253.77	.749	295.78	.441	337.77	.387	379.78	.436	421.77	.438
78	.436	212.78	.455	254.78	.741	296.78	.443	338.78	.384	380.78	.436	422.78	.432
77	.437	213.78	.462	255.78	.734	297.78	.449	339.78	.383	381.78	.436	423.77	.434
72.78	.436	214.78	.471	256.78	.725	298.78	.457	340.78	.38	382.78	.437	424.79	.433
73.78	.443	215.78	.479	257.78	.718	299.78	.458	341.78	.378	383.77	.438	425.77	.433
74.78	.441	216.79	.477	258.78	.71	300.78	.457	342.78	.377	384.79	.437	426.78	.431
75.77	.445	217.78	.489	259.77	.701	301.78	.458	343.77	.377	385.78	.438	427.77	.439
76.78	.443	218.79	.473	260.79	.692	302.78	.467	344.78	.374	386.78	.438	428.79	.43
77.78	.446	219.78	.483	261.77	.682	303.78	.457	345.78	.373	387.78	.438	429.77	.438
78.78	.447	220.78	.483	262.79	.682	304.78	.469	346.78	.371	388.78	.437	430.79	.433
79.78	.443	221.77	1.515	263.78	.681	305.77	.461	347.78	.371	389.78	.437	431.77	.431
80.78	.443	222.78	1.617	264.79	.677	306.78	.463	348.78	.37	390.78	.437	432.78	.434
81.77	.445	223.78	1.654	265.78	.673	307.77	.465	349.78	.369	391.77	.437	433.78	.439
82.79	.449	224.78	1.258	266.78	.673	308.78	.467	350.78	.367	392.78	.437	434.78	.435
83.77	.445	225.78	1.41	267.78	.67	309.77	.468	351.78	.367	393.78	.438	435.77	.436
84.78	.448	226.78	1.441	268.79	.673	310.78	.462	352.79	.365	394.78	.437	436.79	.433
85.78	.451	227.77	1.399	269.76	.665	311.77	.466	353.78	.365	395.77	.437	437.78	.434
86.79	.449	228.78	1.273	270.78	.665	312.78	.468	354.78	.365	396.78	.437	438.78	.433
87.78	.449	229.78	1.103	271.78	.663	313.78	.463	355.78	.364	397.77	.437	439.77	.437
88.78	.448	230.78	.91	272.78	.661	314.78	.466	356.78	.363	398.78	.438	440.78	.439
89.78	.449	231.78	1.71	273.78	.667	315.78	.467	357.77	.363	399.78	.439	441.77	.432
90.78	.45	232.78	1.531	274.78	.665	316.78	.463	358.78	.362	400.78	.438	442.78	.437
91.78	.448	233.78	1.443	275.78	.663	317.78	.469	359.78	.363	401.78	.438	443.77	.435
92.79	.445	234.78	1.314	276.78	.669	318.78	.463	360.78	.361	402.78	.437	444.78	.436
93.78	.447	235.78	1.21	277.78	.666	319.78	.468	361.78	.362	403.78	.438	445.77	.436
94.78	.446	236.78	1.123	278.78	.662	320.78	.463	362.78	.361	404.78	.437	446.78	.437
												447.78	.439
												448.78	.438
												449.78	.438

64	.537	195.93	.551	237.93	1.779	279.92	1.502	321.93	.506	363.92	1.255	405.93	1.13
69	.541	196.93	.554	238.93	1.773	280.93	.798	322.93	5	364.93	1.255	406.93	1.134
72	.542	197.93	.556	239.92	1.691	281.93	.84	323.93	.293	365.93	1.256	407.92	1.13
73	.544	198.93	.556	240.93	1.649	282.93	.834	324.93	.335	366.93	1.256	408.93	1.137
72	.544	199.93	.556	241.92	1.611	283.93	.811	325.93	.377	367.93	1.255	409.92	1.13
73	.541	200.93	.556	242.93	1.573	284.93	.836	326.93	.420	368.93	1.257	410.93	1.132
72	.537	201.93	.561	243.93	1.546	285.93	.86	327.93	.465	369.93	1.266	411.93	1.173
73	.531	202.93	.557	244.93	1.522	286.93	.839	328.93	.509	370.93	1.267	412.93	1.179
72	.53	203.93	.557	245.93	1.502	287.93	.82	329.93	.554	371.93	1.267	413.92	1.181
73	.529	204.93	.556	246.93	1.48	288.93	.855	330.93	.598	372.93	1.266	414.93	1.183
72	.528	205.93	.558	247.93	1.461	289.93	.873	331.92	.642	373.93	1.266	415.92	1.181
73	.523	206.93	.562	248.93	1.444	290.93	.852	332.93	.688	374.93	1.266	416.93	1.181
73	.529	207.92	.564	249.93	1.426	291.93	.827	333.93	.732	375.93	1.266	417.93	1.181
73	.528	208.93	.563	250.93	1.413	292.93	.808	334.93	.727	376.93	1.267	418.93	1.181
72	.53	209.93	.565	251.93	1.403	293.93	.891	335.93	.723	377.93	1.267	419.93	1.18
73	.531	210.93	.568	252.93	1.391	294.93	.839	336.93	.718	378.93	1.268	420.93	1.179
72	.53	211.93	.566	253.92	1.382	295.93	.85	337.92	.715	379.93	1.269	421.93	1.179
73	.536	212.93	.57	254.93	1.372	296.93	.83	338.93	.711	380.93	1.27	422.93	1.183
72	.535	213.93	.579	255.93	1.361	297.93	.808	339.93	.705	381.93	1.27	423.93	1.184
72	.54	214.93	.581	256.93	1.353	298.93	.892	340.93	.703	382.93	1.271	424.93	1.183
73	.543	215.93	.591	257.93	1.347	299.93	.857	341.93	.7	383.92	1.271	425.93	1.184
74	.549	216.93	.615	258.93	1.339	300.93	.859	342.93	.697	384.93	1.271	426.93	1.182
73	.55	217.93	.67	259.93	1.331	301.93	.843	343.92	.693	385.93	1.272	427.92	1.18
74	.55	218.93	.795	260.93	1.323	302.93	.826	344.93	.691	386.93	1.272	428.93	1.182
77	.546	219.93	1.065	261.93	1.313	303.93	.809	345.93	.688	387.93	1.271	429.93	1.182
78	.554	220.93	1.338	262.93	1.304	304.93	.895	346.93	.686	388.93	1.274	430.93	1.186
79	.552	221.93	1.646	263.93	1.296	305.92	.882	347.93	.683	389.92	1.275	431.92	1.19
80	.555	222.93	1.945	264.94	1.284	306.93	.867	348.93	.681	390.93	1.274	432.93	1.183
81	.554	223.93	2.201	265.93	1.273	307.93	.854	349.93	.678	391.93	1.272	433.93	1.18
82	.552	224.93	2.417	266.93	1.26	308.93	.844	350.93	.677	392.93	1.274	434.93	1.187
83	.557	225.93	2.562	267.93	1.244	309.93	.825	351.93	.675	393.93	1.276	435.92	1.184
84	.558	226.93	2.618	268.93	1.23	310.93	.815	352.93	.674	394.93	1.278	436.93	1.184
85	.558	227.92	2.632	269.93	1.216	311.93	.804	353.93	.673	395.92	1.276	437.93	1.184
86	.557	228.93	2.594	270.93	1.199	312.93	.802	354.93	.673	396.93	1.275	438.93	1.184
87	.555	229.93	2.509	271.93	1.18	313.93	.832	355.93	.671	397.92	1.275	439.93	1.185
88	.561	230.93	2.395	272.93	1.16	314.93	.87	356.93	.67	398.93	1.277	440.93	1.18
89	.559	231.93	2.275	273.93	1.137	315.93	.859	357.92	.669	399.93	1.28	441.92	1.183
90	.564	232.93	2.175	274.93	1.118	316.93	.85	358.93	.669	400.93	1.278	442.93	1.187
91	.556	233.93	2.093	275.93	1.099	317.93	.842	359.93	.668	401.93	1.279	443.92	1.184
92	.557	234.93	1.996	276.93	1.075	318.93	.833	360.93	.667	402.93	1.279	444.93	1.186
93	.559	235.93	1.918	277.93	1.053	319.93	.824	361.93	.667	403.93	1.278	445.93	1.185
94	.553	236.93	1.846	278.93	1.029	320.93	.815	362.93	.667	404.93	1.278	446.93	1.187
												447.92	1.188
												448.93	1.187
												449.93	1.189

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87	.186	193.87	.201	235.87	2.713	277.87	..	319.87	.119	361.87	.114	403.87	.166
85	.212	194.87	.201	235.87	2.638	279.87	..	320.87	.112	362.87	.114	404.87	.166
87	.212	195.87	.199	237.87	2.42	279.87	.101	321.87	.121	363.87	.141	405.87	.169
87	.216	196.87	.197	238.87	2.098	280.88	.101	322.87	.121	364.87	.142	406.87	.171
87	.223	197.87	.188	239.87	1.752	281.87	.102	323.87	.121	365.87	.143	407.87	.17
87	.228	198.88	.185	240.87	1.356	282.88	.102	324.87	.122	366.88	.142	408.87	.168
87	.233	199.87	.184	241.87	1.055	283.88	.103	325.87	.122	367.87	.143	409.87	.17
87	.231	200.88	.182	242.87	.808	284.87	.104	326.87	.122	368.87	.145	410.87	.17
87	.233	201.87	.18	243.87	.611	285.87	.105	327.87	.123	369.87	.146	411.87	.169
88	.229	202.87	.184	244.88	.487	286.87	.105	328.88	.124	370.87	.146	412.87	.169
87	.22	203.87	.184	245.87	.402	287.87	.105	329.87	.124	371.87	.146	413.87	.171
88	.203	204.87	.187	246.87	.321	288.88	.106	330.87	.124	372.87	.147	414.87	.172
87	.197	205.87	.19	247.87	.266	289.87	.106	331.87	.124	373.87	.148	415.87	.172
88	.189	206.87	.193	248.87	.223	290.87	.106	332.37	.125	374.87	.148	416.87	.172
87	.181	207.87	.194	249.88	.191	291.87	.107	333.87	.125	375.87	.149	417.87	.173
88	.173	208.88	.198	250.88	.171	292.87	.107	334.88	.125	376.87	.149	418.87	.171
87	.173	209.87	.199	251.88	.157	293.87	.108	335.87	.126	377.87	.151	419.87	.172
88	.177	210.88	.206	252.87	.143	294.87	.107	336.87	.127	378.87	.15	420.88	.169
87	.18	211.87	.207	253.87	.134	295.87	.108	337.87	.128	379.87	.152	421.87	.17
88	.179	212.88	.214	254.87	.126	296.87	.108	338.87	.127	380.87	.154	422.87	.174
87	.182	213.87	.216	255.87	.119	297.87	.109	339.87	.128	381.87	.154	423.87	.175
87	.18	214.87	.224	256.87	.114	298.87	.109	340.87	.129	382.87	.154	424.87	.176
87	.185	215.87	.225	257.87	.112	299.87	.109	341.87	.13	383.87	.154	425.87	.178
84.87	.183	216.88	.258	258.87	.108	300.88	.11	342.87	.13	384.87	.156	426.87	.174
85.87	.186	217.87	.303	259.87	.105	301.87	.111	343.87	.13	385.87	.157	427.87	.173
86.87	.19	218.87	.424	260.87	.104	302.87	.11	344.87	.131	386.87	.155	428.87	.174
87.87	.187	219.87	.7	261.87	.102	303.87	.111	345.87	.132	387.87	.157	429.87	.171
88.87	.167	220.87	.939	262.88	.101	304.37	.111	346.87	.132	388.87	.159	430.87	.177
89.87	.19	221.87	1.246	263.87	..	305.87	.112	347.87	.133	389.87	.161	431.87	.181
90.87	.193	222.87	1.569	264.88	..	306.87	.112	348.87	.133	390.37	.159	432.87	.177
91.87	.187	223.87	1.864	265.87	..	307.87	.113	349.87	.135	391.87	.159	433.87	.173
92.87	.187	224.87	2.052	266.37	.099	308.87	.113	350.87	.134	392.87	.159	434.87	.173
93.87	.193	225.87	2.233	267.88	.098	309.87	.115	351.87	.135	393.87	.164	435.87	.178
94.87	.189	226.87	2.363	268.88	.098	310.87	.115	352.88	.135	394.87	.163	436.88	.177
95.87	.192	227.87	2.462	269.87	.099	311.87	.116	353.87	.137	395.87	.163	437.87	.178
96.88	.198	228.88	2.559	270.87	.098	312.37	.116	354.88	.136	396.87	.163	438.87	.177
97.87	.197	229.87	2.629	271.87	.098	313.87	.117	355.87	.137	397.87	.162	439.87	.179
98.87	.197	230.88	2.685	272.37	.098	314.37	.117	356.87	.138	398.87	.163	440.87	.173
99.87	.2	231.87	2.728	273.87	.099	315.87	.118	357.87	.139	399.87	.163	441.87	.176
90.87	.202	232.88	2.747	274.87	.099	316.87	.118	358.87	.138	400.87	.163	442.87	.18
91.87	.2	233.87	2.752	275.87	.099	317.87	.119	359.87	.139	401.87	.169	443.87	.179
92.88	.204	234.87	2.746	276.37	.099	318.87	.119	360.87	.14	402.87	.167	444.87	.181
												445.87	.181
												446.87	.181
												447.87	.183
												448.87	.183
												449.87	.185

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15	111	195.42	1	237.43	1054	279.42	1104	321.42	1127	363.42	1141	405.42	1157
19	118	173.43	1136	233.43	1033	260.43	1104	302.43	1133	354.43	1142	406.43	1171
42	107	197.42	1103	239.42	1033	291.42	1106	322.42	1129	365.42	1143	407.42	1172
43	107	198.43	1104	240.43	1033	292.43	1106	324.43	1123	366.43	1143	408.43	1157
42	107	199.43	1106	241.42	1034	293.42	1107	325.42	1129	367.42	1144	409.42	1163
43	107	200.42	1101	242.43	1034	294.43	1108	326.42	1129	368.43	1144	410.43	1171
42	106	201.42	1101	243.42	1034	295.42	111	327.42	115	369.42	1145	411.42	117
43	105	202.43	1102	244.43	1034	296.43	111	328.43	1129	370.43	1146	412.43	1168
42	107	203.42	1	245.42	1035	297.42	1111	329.42	1129	371.42	1147	413.42	117
43	107	204.43	1101	246.43	1035	298.43	1111	330.43	112	372.43	1147	414.43	1173
42	104	205.42	1102	247.42	1036	299.42	1112	331.42	1131	373.42	1147	415.42	1173
43	103	206.43	1	248.43	1036	290.43	1112	332.43	1131	374.43	1147	416.42	1171
42	106	207.42	1099	249.42	1037	291.42	1113	332.42	1131	375.42	1148	417.42	1172
43	107	208.43	1101	250.43	1038	292.43	1112	334.43	1131	376.43	1149	418.43	1172
42	106	209.42	1099	251.42	1038	293.42	1114	335.42	1132	377.42	1149	419.42	1172
43	105	210.43	1095	252.43	1038	294.43	1115	336.43	113	378.43	115	420.43	1169
42	107	211.42	1098	253.42	109	295.42	1115	337.42	1131	379.42	1151	421.42	117
43	107	212.43	1097	254.43	1038	296.43	1115	338.43	1132	380.43	1152	422.43	1173
42	106	213.42	1097	255.42	1091	297.42	1116	339.42	1133	381.42	1153	423.42	1177
43	104	214.43	1089	256.43	1091	298.43	1116	340.43	1131	382.43	1153	424.43	1175
42	106	215.42	1067	257.42	1091	299.42	1117	341.42	1132	383.42	1155	425.42	1176
43	1	216.43	1086	258.43	1091	300.43	1117	342.43	1133	384.43	1155	426.43	1176
42	105	217.42	1064	259.42	1092	301.42	1118	343.42	1134	385.42	1156	427.42	1173
43	105	218.43	1067	260.42	1092	302.43	1118	344.42	1133	386.43	1156	428.42	1174
42	103	219.42	102	261.42	1093	303.42	1119	345.42	1134	387.42	1156	429.42	1173
43	107	220.43	104	262.43	1093	304.43	1119	346.43	1134	388.43	1157	430.43	1175
42	103	221.42	1053	263.42	1093	305.42	112	347.42	1135	389.42	115	431.42	1183
43	105	222.43	1052	264.43	1093	306.43	112	348.43	1135	390.43	115	432.43	1182
42	101	223.42	1048	265.42	1095	307.42	1121	349.42	113	391.42	1159	433.42	1173
43	101	224.43	1055	266.42	1095	308.43	1121	350.43	1135	392.43	1157	434.43	1176
42	100	225.42	1071	267.42	1096	309.42	1122	351.42	1135	393.42	1152	435.42	113
43	100	226.43	1067	268.43	1095	310.43	1123	352.43	1135	394.43	1154	436.43	1176
42	101	227.42	1065	269.42	1096	311.42	1123	353.43	1136	395.42	1155	437.42	1178
43	100	228.43	1071	270.43	1097	312.42	1124	354.43	1136	396.43	1153	438.43	1173
42	102	229.42	1077	271.42	1098	313.42	1125	355.42	1138	397.42	1152	439.42	1179
43	102	230.43	1077	272.43	1098	314.43	1125	356.43	1133	398.43	1152	440.43	1175
9.42	105	231.42	1076	273.42	1099	315.42	1126	357.42	1129	399.42	1158	441.42	1174
10.43	103	232.43	1079	274.43	1	316.43	1126	358.43	1139	400.43	1156	442.43	1179
11.42	106	233.42	1081	275.42	101	317.42	1126	359.42	114	401.42	1166	443.42	113
12.43	107	234.43	1081	276.43	101	318.43	1127	360.43	1139	402.43	1167	444.43	1177
13.42	106	235.42	1081	277.42	1102	319.42	1127	361.42	114	403.42	1167	445.42	1173
14.43	103	236.43	1082	278.43	1103	320.43	1127	362.43	1141	404.43	1165	446.42	1177
												447.42	118
												448.43	1176
												449.42	1176

38	.699	193.38	.7	235.38	2.25	277.38	3.485	319.38	.783	361.38	.285	403.38	.251
76	.694	194.38	.7	236.38	2.487	278.38	3.363	320.38	.68	362.38	.285	404.29	.25
38	.694	195.38	.789	237.38	2.583	279.38	3.301	321.38	.655	363.38	.283	405.38	.249
38	.687	196.38	.715	238.38	2.841	280.38	3.248	322.38	.636	364.38	.282	406.38	.251
38	.683	197.38	.721	239.38	2.967	281.38	3.191	323.38	.618	365.38	.281	407.38	.25
38	.683	198.38	.726	240.38	3.096	282.38	3.126	324.38	.601	366.38	.28	408.38	.247
38	.683	199.38	.731	241.38	3.193	283.38	3.044	325.38	.581	367.38	.279	409.38	.245
38	.683	200.38	.727	242.38	3.283	284.38	2.96	326.38	.565	368.38	.279	410.38	.246
38	.686	201.38	.724	243.38	3.364	285.38	2.864	327.38	.544	369.38	.279	411.38	.243
38	.686	202.38	.729	244.38	3.412	286.38	2.772	328.38	.528	370.38	.279	412.38	.241
38	.688	203.38	.727	245.38	3.455	287.38	2.69	329.38	.513	371.38	.277	413.38	.241
38	.691	204.38	.728	246.38	3.498	288.38	2.602	330.38	.498	372.38	.277	414.38	.242
38	.685	205.38	.723	247.38	3.537	289.38	2.506	331.38	.482	373.38	.275	415.38	.24
38	.678	206.38	.719	248.38	3.542	290.38	2.414	332.38	.467	374.38	.275	416.38	.239
38	.681	207.38	.725	249.38	3.576	291.38	2.31	333.38	.451	375.38	.273	417.38	.238
38	.687	208.38	.717	250.38	3.598	292.38	2.217	334.38	.437	376.38	.274	418.38	.236
38	.683	209.38	.716	251.38	3.612	293.38	2.139	335.38	.425	377.38	.272	419.38	.235
38	.686	210.38	.718	252.38	3.618	294.38	2.055	336.38	.413	378.38	.271	420.38	.233
38	.686	211.38	.71	253.38	3.628	295.38	1.966	337.38	.401	379.38	.271	421.38	.231
38	.679	212.38	.715	254.38	3.634	296.38	1.881	338.38	.39	380.38	.271	422.38	.232
38	.679	213.38	.71	255.38	3.635	297.38	1.787	339.38	.378	381.38	.27	423.38	.235
38	.687	214.38	.711	256.38	3.639	298.38	1.705	340.38	.368	382.38	.27	424.38	.234
38	.679	215.38	.711	257.38	3.636	299.38	1.637	341.38	.361	383.38	.268	425.38	.234
38	.691	216.38	.708	258.38	3.633	300.38	1.565	342.38	.355	384.38	.269	426.38	.234
38	.688	217.38	.702	259.38	3.639	301.38	1.49	343.38	.348	385.38	.267	427.38	.229
38	.693	218.38	.703	260.38	3.629	302.38	1.422	344.38	.341	386.38	.266	428.38	.229
38	.688	219.38	.711	261.38	3.611	303.38	1.346	345.38	.334	387.38	.264	429.38	.226
38	.695	220.38	.704	262.38	3.621	304.38	1.283	346.38	.328	388.38	.264	430.38	.224
38	.695	221.38	.707	263.38	3.614	305.38	1.231	347.38	.323	389.38	.266	431.38	.223
38	.698	222.38	.708	264.38	3.602	306.38	1.178	348.38	.317	390.38	.266	432.38	.227
38	.697	223.38	.71	265.38	3.595	307.38	1.123	349.38	.312	391.38	.261	433.38	.219
38	.7	224.38	.712	266.38	3.586	308.38	1.073	350.38	.309	392.38	.261	434.38	.219
38	.696	225.38	.719	267.38	3.583	309.38	1.02	351.38	.305	393.38	.261	435.38	.222
38	.696	226.38	.723	268.38	3.597	310.38	.977	352.38	.302	394.38	.262	436.39	.217
38	.697	227.38	.734	269.38	3.566	311.38	.941	353.38	.3	395.38	.261	437.38	.218
38	.697	228.38	.757	270.38	3.557	312.38	.906	354.38	.298	396.38	.259	438.38	.217
38	.694	229.38	.806	271.38	3.539	313.38	.869	355.38	.295	397.38	.257	439.38	.215
38	.695	230.38	.904	272.38	3.528	314.38	.836	356.38	.293	398.38	.255	440.38	.214
38	.691	231.38	1.137	273.38	3.501	315.38	.802	357.38	.291	399.38	.257	441.38	.209
38	.695	232.38	1.452	274.38	3.486	316.38	.774	358.38	.29	400.38	.257	442.38	.213
38	.699	233.38	1.704	275.38	3.47	317.38	.75	359.38	.288	401.38	.255	443.38	.213
2.38	.7	234.38	1.97	276.38	3.45	318.38	.727	360.38	.287	402.38	.254	444.38	.21
												445.38	.211
												446.38	.209
												447.38	.209
												448.38	.208
												449.38	.206



.743	195.5	.743	237.5	3.75	277.5	3.523	321.5	.844	363.5	.29	405.5	.238
.741	196.5	.749	238.5	3.698	280.5	3.583	322.5	.816	364.5	.236	406.5	.261
.74	197.5	.753	239.5	3.813	281.5	3.49	323.5	.794	365.5	.238	407.5	.261
.736	198.5	.759	240.5	3.148	282.5	3.483	324.5	.787	366.5	.236	408.5	.255
.737	199.5	.768	241.5	3.254	283.5	3.46	325.5	.74	367.5	.236	409.5	.254
.739	200.5	.765	242.5	3.337	284.5	3.425	326.5	.715	368.5	.233	410.5	.254
.743	201.5	.772	243.5	3.489	285.5	3.389	327.5	.688	369.5	.238	411.5	.252
.746	202.5	.766	244.5	3.471	286.5	3.345	328.5	.666	370.5	.237	412.5	.248
.748	203.5	.766	245.5	3.512	287.5	3.3	329.5	.646	371.5	.236	413.5	.248
.745	204.5	.763	246.5	3.567	288.5	3.239	330.5	.625	372.5	.236	414.5	.25
.739	205.5	.769	247.5	3.531	289.5	3.171	331.5	.603	373.5	.235	415.5	.248
.737	206.5	.762	248.5	3.586	290.5	3.091	332.5	.583	374.5	.232	416.5	.246
.735	207.5	.766	249.5	3.641	291.5	3.09	333.5	.559	375.5	.23	417.5	.245
.736	208.5	.768	250.5	3.664	292.5	2.981	334.5	.539	376.5	.229	418.5	.244
.734	209.5	.765	251.5	3.644	293.5	2.818	335.5	.524	377.5	.228	419.5	.242
.731	210.5	.765	252.5	3.69	294.5	2.721	336.5	.507	378.5	.226	420.5	.239
.729	211.5	.761	253.5	3.696	295.5	2.618	337.5	.489	379.5	.225	421.5	.237
.729	212.5	.761	254.5	3.691	296.5	2.516	338.5	.472	380.5	.226	422.5	.239
.727	213.5	.764	255.5	3.699	297.5	2.4	339.5	.454	381.5	.225	423.5	.241
.719	214.5	.764	256.5	3.696	298.5	2.381	340.5	.44	382.5	.225	424.5	.239
.725	215.5	.756	257.5	3.698	299.5	2.219	341.5	.427	383.5	.224	425.5	.238
.726	216.5	.756	258.5	3.726	300.5	2.122	342.5	.414	384.5	.225	426.5	.236
.727	217.5	.754	259.5	3.718	301.5	2.025	343.5	.401	385.5	.224	427.5	.232
.729	218.5	.751	260.5	3.695	302.5	1.931	344.5	.389	386.5	.223	428.5	.232
.733	219.5	.754	261.5	3.689	303.5	1.831	345.5	.377	387.5	.22	429.49	.228
.735	220.5	.752	262.5	3.696	304.5	1.747	346.5	.367	388.5	.221	430.5	.229
.729	221.5	.753	263.5	3.685	305.5	1.679	347.5	.36	389.5	.222	431.5	.235
.735	222.5	.754	264.5	3.674	306.5	1.601	348.5	.352	390.5	.222	432.5	.234
.738	223.5	.758	265.5	3.65	307.5	1.524	349.5	.344	391.5	.229	433.5	.224
.733	224.5	.756	266.5	3.664	308.5	1.451	350.5	.336	392.5	.227	434.5	.225
.735	225.5	.766	267.5	3.671	309.5	1.376	351.5	.329	393.5	.229	435.5	.229
.731	226.5	.769	268.5	3.634	310.5	1.316	352.5	.324	394.5	.227	436.5	.225
.733	227.5	.777	269.5	3.642	311.5	1.266	353.5	.32	395.5	.228	437.5	.229
.731	228.5	.807	270.5	3.633	312.5	1.21	354.5	.315	396.5	.226	438.5	.227
.726	229.5	.853	271.5	3.688	313.5	1.157	355.5	.311	397.5	.224	439.5	.225
.721	230.5	.963	272.5	3.598	314.5	1.109	356.5	.308	398.5	.223	440.5	.221
.728	231.5	1.223	273.5	3.589	315.5	1.058	357.5	.305	399.5	.226	441.5	.215
.734	232.5	1.515	274.5	3.578	316.5	1.017	358.5	.301	400.5	.225	442.5	.221
.737	233.5	1.758	275.5	3.574	317.5	.984	359.5	.3	401.5	.224	443.5	.22
.734	234.5	2.045	276.5	3.559	318.5	.948	360.5	.297	402.5	.222	444.5	.218
.733	235.5	2.322	277.5	3.549	319.5	.913	361.5	.294	403.5	.221	445.5	.218
.741	236.5	2.545	278.5	3.548	320.5	.879	362.5	.292	404.5	.223	446.5	.216
											447.5	.216
											448.5	.215
											449.5	.213

.472	193.58	.502	225.58	1.747	277.58	1.374	319.58	.633	361.56	.123	433.58	.229
.463	194.58	.506	226.59	1.756	279.58	1.377	320.58	.637	362.58	.127	434.58	.226
.463	195.58	.508	227.58	1.759	279.58	1.378	321.58	.632	363.58	.127	435.58	.229
.464	196.58	.506	228.59	1.772	280.59	1.373	322.59	.638	364.58	.126	436.59	.231
.463	197.58	.508	229.58	1.673	281.58	1.373	323.58	.634	365.58	.127	437.58	.232
.459	198.59	.506	240.58	1.631	282.59	.75	324.58	.639	366.59	.125	438.58	.227
.463	199.58	.51	241.58	1.597	283.58	.729	325.58	.635	367.58	.127	439.58	.229
.467	200.58	.512	242.58	1.544	284.59	.767	326.58	.631	368.59	.127	440.58	.231
.471	201.58	.51	243.58	1.507	285.58	1.36	327.58	.626	369.58	.128	441.58	.228
.474	202.59	.51	244.58	1.484	286.59	1.368	328.59	.622	370.58	.128	442.59	.225
.478	203.58	.504	245.58	1.465	297.58	1.53	329.58	.629	371.58	.128	443.58	.229
.482	204.58	.503	246.59	1.447	298.58	1.535	330.58	.635	372.58	.127	444.59	.229
.486	205.58	.502	247.58	1.433	289.58	1.518	331.58	.632	373.58	.128	445.58	.23
.49	206.58	.502	248.58	1.425	290.58	1.63	332.58	.627	374.58	.127	446.58	.228
.496	207.58	.496	249.58	1.418	291.58	1.585	333.58	.624	375.58	.128	447.58	.229
.493	208.58	.501	250.59	1.415	292.58	1.571	334.59	.621	376.58	.127	448.59	.227
.501	209.58	.502	251.58	1.412	293.58	1.559	335.58	.628	377.58	.127	449.58	.227
.5	210.58	.503	252.59	1.412	294.59	1.545	336.59	.624	378.58	.127	450.59	.221
.501	211.58	.496	253.58	1.413	295.58	1.532	337.58	.621	379.58	.128	451.58	.225
.503	212.59	.5	254.58	1.412	296.58	1.513	338.58	.628	380.58	.129	452.58	.227
.5	213.58	.499	255.58	1.41	297.58	1.504	339.58	.626	381.58	.129	453.58	.231
.509	214.59	.499	256.59	1.407	298.59	1.491	340.58	.622	382.59	.129	454.59	.229
.508	215.58	.498	257.58	1.404	299.58	1.462	341.58	.621	383.58	.129	455.58	.23
.506	216.59	.499	258.58	1.396	300.59	1.47	342.58	.619	384.58	.129	456.59	.229
.51	217.58	.502	259.58	1.387	301.58	1.46	343.58	.618	385.58	.129	457.58	.226
.51	218.58	.501	260.58	1.373	302.58	1.448	344.58	.616	386.59	.128	458.58	.227
.512	219.58	.498	261.58	1.354	303.58	1.438	345.58	.615	387.58	.128	459.58	.224
.515	220.59	.497	262.59	1.334	304.59	1.429	346.59	.614	388.59	.128	460.59	.226
.51	221.58	.503	263.58	1.316	305.58	1.421	347.58	.613	389.58	.128	461.58	.234
.51	222.58	.5	264.59	1.299	306.58	1.411	348.59	.611	390.58	.128	462.59	.232
.515	223.58	.506	265.58	1.26	307.58	1.403	349.58	.61	391.58	.127	463.58	.233
.515	224.58	.507	266.58	1.228	308.58	1.396	350.58	.608	392.58	.127	464.59	.227
.511	225.58	.51	267.58	1.192	309.58	1.387	351.58	.607	393.58	.128	465.58	.23
.511	226.59	.521	268.59	1.158	310.59	1.381	352.59	.604	394.59	.128	466.59	.226
.502	227.58	.534	269.58	1.113	311.58	1.376	353.58	.603	395.58	.128	467.58	.228
.505	228.59	.557	270.59	1.095	312.58	1.369	354.58	.601	396.58	.129	468.59	.227
.504	229.58	.608	271.58	1.061	313.58	1.364	355.58	.601	397.58	.128	469.58	.228
.5	230.58	.722	272.58	1.026	314.58	1.359	356.58	.600	398.59	.128	470.58	.223
.502	231.58	.97	273.58	.989	315.58	1.352	357.58	.600	399.58	.128	471.58	.223
.496	232.59	1.254	274.58	.959	316.59	1.346	358.59	.600	400.59	.128	472.59	.227
.501	233.58	1.468	275.58	.934	317.58	1.342	359.58	.600	401.58	.128	473.58	.226
.59	234.59	1.645	276.59	.903	318.59	1.337	360.58	.600	402.59	.128	474.58	.224
											445.58	.226
											446.58	.224
											447.58	.226
											448.59	.224
											449.58	.224

.724	193.11	.72	235.11	2.241	277.11	2.227	319.11	.626	361.11	.633	403.11	.275
.722	194.11	.722	236.11	2.462	278.11	2.243	320.11	.607	362.11	.633	404.11	.275
.722	195.11	.728	237.11	2.656	279.11	2.191	321.11	.787	363.11	.633	405.11	.274
.712	196.11	.739	238.11	2.817	280.11	2.142	322.11	.766	364.11	.632	406.11	.277
.721	197.11	.741	239.11	2.924	281.11	2.102	323.11	.751	365.11	.635	407.11	.278
.718	198.11	.741	240.11	2.99	282.11	2.362	324.11	.735	366.11	.632	408.11	.275
.714	199.11	.747	241.11	3.026	283.11	2.014	325.11	.717	367.11	.639	409.11	.274
.717	200.11	.752	242.11	3.022	284.11	1.771	326.11	.7	368.11	.636	410.11	.275
.724	201.11	.75	243.11	2.994	285.11	1.922	327.11	.683	369.11	.633	411.11	.275
.727	202.11	.752	244.11	2.938	286.11	1.878	328.11	.665	370.11	.63	412.11	.273
.73	203.11	.751	245.11	2.897	287.11	1.838	329.11	.651	371.11	.638	413.11	.274
.729	204.11	.747	246.11	2.854	288.11	1.8	330.11	.638	372.11	.635	414.11	.275
.726	205.11	.742	247.11	2.808	289.11	1.755	331.11	.623	373.11	.634	415.11	.276
.727	206.11	.749	248.11	2.771	290.11	1.716	332.11	.609	374.11	.631	416.11	.274
.728	207.11	.744	249.11	2.734	291.11	1.67	333.11	.593	375.11	.629	417.11	.274
.727	208.11	.748	250.11	2.709	292.11	1.627	334.11	.579	376.11	.629	418.12	.273
.723	209.11	.744	251.11	2.693	293.11	1.591	335.11	.568	377.11	.627	419.11	.273
.729	210.11	.747	252.11	2.679	294.11	1.557	336.12	.557	378.11	.626	420.11	.272
.731	211.11	.75	253.11	2.668	295.11	1.516	337.11	.543	379.11	.625	421.11	.271
.727	212.11	.75	254.11	2.663	296.11	1.48	338.11	.532	380.11	.624	422.11	.272
.73	213.11	.752	255.11	2.661	297.11	1.439	339.11	.519	381.11	.624	423.11	.274
.723	214.11	.748	256.11	2.663	298.11	1.4	340.11	.505	382.11	.622	424.11	.275
.72	215.11	.753	257.11	2.664	299.11	1.367	341.11	.496	383.11	.621	425.11	.274
.725	216.11	.751	258.11	2.669	300.11	1.336	342.11	.486	384.11	.62	426.11	.274
.725	217.11	.747	259.11	2.675	301.11	1.3	343.11	.474	385.11	.629	427.11	.272
.726	218.11	.753	260.11	2.677	302.11	1.267	344.11	.465	386.11	.629	428.11	.271
.728	219.11	.746	261.11	2.681	303.11	1.231	345.11	.453	387.11	.627	429.11	.272
.73	220.11	.746	262.11	2.681	304.11	1.197	346.11	.443	388.11	.627	430.11	.27
.729	221.11	.746	263.11	2.681	305.11	1.17	347.11	.434	389.11	.628	431.11	.275
.723	222.11	.754	264.11	2.676	306.11	1.143	348.11	.426	390.11	.628	432.11	.278
.723	223.11	.751	265.11	2.669	307.11	1.113	349.11	.416	391.11	.627	433.11	.271
.725	224.11	.751	266.11	2.656	308.11	1.086	350.11	.407	392.11	.626	434.11	.27
.726	225.11	.755	267.11	2.64	309.11	1.056	351.11	.398	393.11	.626	435.11	.274
.723	226.11	.771	268.11	2.618	310.11	1.028	352.11	.389	394.11	.628	436.11	.272
.718	227.11	.782	269.11	2.595	311.11	1.004	353.11	.383	395.11	.627	437.11	.273
.723	228.11	.792	270.11	2.57	312.11	.982	354.11	.375	396.11	.627	438.11	.271
.714	229.11	.83	271.11	2.536	313.11	.957	355.11	.368	397.11	.625	439.11	.271
.719	230.11	.819	272.11	2.501	314.11	.932	356.11	.362	398.11	.624	440.11	.272
.716	231.11	.819	273.11	2.458	315.11	.909	357.11	.355	399.11	.626	441.11	.266
.717	232.12	1.395	274.11	2.413	316.12	.884	358.11	.348	400.12	.627	442.11	.27
.723	233.11	1.388	275.11	2.374	317.11	.865	359.11	.343	401.11	.627	443.11	.272
.719	234.11	1.356	276.11	2.336	318.11	.847	360.11	.339	402.11	.626	444.11	.27
											445.11	.272
											446.11	.27
											447.11	.271
											448.11	.271
											449.11	.269

741	193.47	.731	235.47	2.322	277.47	2.935	319.47	.714	361.47	.337	403.47	.139
745	194.47	.729	236.47	2.547	278.47	2.667	320.47	.387	362.47	.102	404.47	.139
745	195.47	.734	237.47	2.735	279.47	2.637	321.47	.357	363.47	.137	405.47	.138
74	196.48	.739	238.47	2.687	280.47	2.783	322.47	.332	364.47	.134	406.47	.14
735	197.47	.746	239.47	2.888	281.47	2.74	323.47	.311	365.47	.129	407.47	.139
737	198.48	.748	240.47	2.135	282.47	2.687	324.47	.787	366.47	.136	408.47	.136
737	199.47	.752	241.47	2.286	283.47	2.635	325.47	.764	367.47	.293	409.47	.235
738	200.47	.757	242.47	2.275	284.47	2.575	326.47	.741	368.47	.151	410.47	.235
741	201.47	.754	243.47	2.341	285.47	2.511	327.47	.716	369.47	.279	411.47	.234
739	202.47	.756	244.47	2.37	286.47	2.452	328.47	.696	370.47	.175	412.47	.232
744	203.47	.759	245.47	2.387	287.47	2.484	329.47	.679	371.47	.172	413.47	.133
748	204.47	.755	246.47	2.395	288.47	2.346	330.47	.659	372.47	.171	414.47	.234
742	205.47	.756	247.47	2.394	289.47	2.282	331.47	.64	373.47	.169	415.47	.233
737	206.47	.757	248.47	2.39	290.47	2.222	332.47	.622	374.47	.166	416.47	.231
741	207.47	.758	249.47	2.385	291.47	2.155	333.47	.601	375.47	.164	417.47	.231
741	208.47	.758	250.48	2.377	292.47	2.094	334.47	.583	376.47	.163	418.47	.23
742	209.47	.758	251.47	2.36	293.47	2.045	335.47	.569	377.47	.161	419.47	.229
739	210.47	.76	252.47	2.361	294.47	1.987	336.47	.554	378.47	.158	420.47	.227
738	211.48	.759	253.47	2.347	295.47	1.928	337.47	.538	379.47	.158	421.47	.224
733	212.47	.761	254.47	2.339	296.47	1.871	338.47	.522	380.47	.157	422.47	.226
742	213.47	.758	255.47	2.34	297.47	1.808	339.47	.506	381.47	.156	423.47	.229
734	214.47	.76	256.47	2.337	298.47	1.753	340.47	.492	382.47	.154	424.47	.228
734	215.47	.759	257.47	2.327	299.47	1.71	341.47	.481	383.47	.153	425.47	.229
739	216.48	.759	258.47	2.313	300.47	1.657	342.47	.468	384.47	.152	426.47	.227
739	217.47	.756	259.47	2.311	301.48	1.605	343.47	.455	385.47	.151	427.47	.223
739	218.47	.753	260.47	2.312	302.47	1.555	344.47	.443	386.47	.15	428.47	.225
742	219.47	.754	261.47	2.303	303.47	1.5	345.47	.43	387.47	.149	429.47	.221
737	220.47	.753	262.47	2.297	304.47	1.454	346.47	.418	388.47	.149	430.47	.222
74	221.47	.754	263.47	2.275	305.47	1.416	347.47	.409	389.47	.15	431.47	.228
74	222.47	.76	264.47	2.268	306.47	1.372	348.47	.4	390.47	.148	432.47	.227
738	223.47	.757	265.47	2.263	307.47	1.329	349.47	.39	391.47	.145	433.48	.219
731	224.47	.764	266.47	2.247	308.47	1.287	350.47	.38	392.47	.144	434.47	.22
735	225.47	.767	267.48	2.229	309.47	1.242	351.47	.37	393.47	.146	435.47	.222
733	226.47	.774	268.47	2.216	310.47	1.202	352.47	.362	394.47	.146	436.47	.219
728	227.47	.783	269.47	2.194	311.47	1.172	353.47	.355	395.47	.144	437.47	.221
722	228.47	.808	270.47	2.173	312.47	1.136	354.47	.347	396.47	.144	438.47	.219
725	229.47	.86	271.47	2.144	313.47	1.1	355.47	.34	397.47	.14	439.47	.218
724	230.47	.97	272.47	2.117	314.47	1.066	356.47	.334	398.47	.14	440.47	.216
722	231.47	1.226	273.47	2.079	315.47	1.029	357.47	.327	399.47	.134	441.47	.211
726	232.48	1.516	274.47	2.046	316.48	.997	358.47	.32	400.48	.134	442.47	.217
729	233.47	1.754	275.47	2.016	317.48	.972	359.47	.317	401.47	.132	443.47	.216
724	234.47	2.347	276.47	2.978	318.47	.943	360.47	.312	402.47	.131	444.47	.215
											445.47	.217
											446.47	.215
											447.47	.215
											448.47	.215
											449.47	.214

193.68	.243	193.68	.243	235.68	1.318	277.68	1.189	319.68	1.114	361.68	1.051	403.69	1.031
194.69	.246	194.69	.246	236.69	1.311	278.69	1.191	320.69	1.115	362.69	1.051	404.69	.1
195.68	.254	195.68	.254	237.68	1.314	279.68	1.191	321.68	1.116	363.69	1.051	405.68	1.21
196.69	.251	196.69	.251	238.69	1.252	280.69	1.192	322.69	1.116	364.69	1.051	406.69	1.24
197.68	.253	197.68	.253	239.68	1.266	281.68	1.193	323.68	1.116	365.68	1.051	407.68	1.03
198.69	.253	198.69	.253	240.69	1.169	282.69	1.194	324.69	1.116	366.69	1.051	408.69	1.31
199.68	.254	199.68	.254	241.68	1.976	283.68	1.195	325.68	1.116	367.69	1.052	409.68	1.02
200.69	.15	200.69	.15	242.69	1.747	284.69	1.196	326.69	1.116	368.69	1.052	410.69	1.04
201.68	.245	201.68	.245	243.68	1.497	285.68	1.197	327.68	1.116	369.69	1.053	411.68	1.02
202.69	.245	202.69	.245	244.69	1.382	286.69	1.197	328.69	1.116	370.69	1.053	412.69	.1
203.68	.245	203.68	.245	245.68	1.15	287.68	1.198	329.68	1.116	371.68	1.052	413.69	1.02
204.69	.237	204.69	.237	246.69	1.935	288.69	1.199	330.69	1.115	372.69	1.053	414.69	1.03
205.68	.233	205.68	.233	247.68	.85	289.68	.1	331.68	1.116	373.68	1.053	415.68	1.03
206.69	.232	206.69	.232	248.69	1.733	290.69	.1	332.69	1.115	374.69	1.053	416.69	1.03
207.68	.235	207.68	.235	249.69	1.626	291.68	1.202	333.69	1.115	375.68	1.054	417.68	1.03
208.69	.232	208.69	.232	250.69	1.553	292.69	1.202	334.69	1.114	376.69	1.054	418.69	1.02
209.68	.232	209.68	.232	251.68	1.498	293.68	1.203	335.68	1.113	377.68	1.054	419.69	1.02
210.69	.23	210.69	.23	252.69	1.439	294.69	1.203	336.69	1.112	378.69	1.054	420.69	.1
211.68	.239	211.68	.239	253.68	1.393	295.68	1.204	337.68	1.111	379.68	1.055	421.68	1.09
212.69	.237	212.69	.237	254.69	1.353	296.69	1.204	338.69	1.11	380.69	1.056	422.69	1.02
213.68	.238	213.68	.238	255.68	1.318	297.68	1.205	339.68	1.109	381.68	1.056	423.68	1.05
214.69	.239	214.69	.239	256.69	1.294	298.69	1.205	340.69	1.107	382.69	1.055	424.69	1.05
215.68	.242	215.68	.242	257.68	1.276	299.68	1.205	341.68	1.107	383.68	1.056	425.68	1.07
216.69	.241	216.69	.241	258.69	1.257	300.69	1.205	342.69	1.105	384.69	1.057	426.69	1.04
217.68	.243	217.68	.243	259.68	1.243	301.68	1.206	343.68	1.104	385.69	1.057	427.68	1.02
218.69	.243	218.69	.243	260.69	1.231	302.69	1.205	344.69	1.103	386.69	1.056	428.69	1.04
219.68	.247	219.68	.247	261.68	1.22	303.69	1.205	345.68	1.102	387.69	1.056	429.68	.1
220.69	.249	220.69	.249	262.69	1.213	304.69	1.205	346.69	1.101	388.69	1.056	430.69	1.04
221.68	.252	221.68	.252	263.68	1.207	305.68	1.205	347.68	1.100	389.68	.1	431.68	1.09
222.69	.249	222.69	.249	264.69	1.202	306.69	1.204	348.69	1.098	390.69	1.056	432.69	1.08
223.68	.25	223.68	.25	265.68	1.197	307.68	1.205	349.68	1.097	391.68	1.057	433.68	1.01
224.69	.254	224.69	.254	266.69	1.193	308.69	1.205	350.69	1.096	392.69	1.056	434.69	1.05
225.68	.259	225.68	.259	267.69	1.191	309.68	1.206	351.69	1.096	393.68	1.059	435.68	1.06
226.69	.256	226.69	.256	268.69	1.188	310.69	1.206	352.69	1.094	394.69	.1	436.69	1.05
227.68	.279	227.68	.279	269.68	1.187	311.68	1.207	353.68	1.095	395.68	1.059	437.68	1.06
228.69	.301	228.69	.301	270.69	1.186	312.69	1.207	354.69	1.093	396.69	1.059	438.69	1.05
229.68	.351	229.68	.351	271.68	1.186	313.68	1.209	355.68	1.093	397.68	1.057	439.68	1.06
230.69	.403	230.69	.403	272.69	1.186	314.69	1.209	356.69	1.092	399.69	1.059	440.69	1.02
231.68	.759	231.68	.759	273.68	1.187	315.68	1.211	357.68	1.092	399.68	1.052	441.68	1.09
232.69	1.034	232.69	1.034	274.69	1.186	316.69	1.211	358.69	1.091	400.69	1.052	442.69	1.05
233.68	1.268	233.68	1.268	275.68	1.187	317.68	1.213	359.68	1.091	401.68	1.052	443.68	1.04
234.69	1.564	234.69	1.564	276.69	1.188	318.69	1.213	360.69	1.091	402.69	1.051	444.69	1.04
												445.68	1.05
												446.69	1.04
												447.68	1.05
												448.69	1.04
												449.68	1.04

50.44	.183	193.44	.894	235.43	.819	377.43	.808	319.44	.111	361.44	.141	483.44	.164
52.81	.183	194.44	.896	236.44	.814	378.43	.881	320.43	.111	362.44	.141	484.44	.164
53.44	.186	195.43	.897	237.43	.823	379.43	.891	321.43	.111	363.44	.143	485.44	.165
54.44	.185	196.44	.892	238.44	.835	380.44	.882	322.44	.112	364.44	.143	486.44	.168
55.43	.182	197.44	.892	239.43	.835	381.43	.882	323.43	.113	365.44	.143	487.43	.168
56.43	.182	198.44	.895	240.43	.835	382.44	.883	324.43	.113	366.44	.144	488.44	.166
57.43	.181	199.44	.894	241.43	.84	383.44	.884	325.43	.114	367.44	.145	489.43	.166
58.44	.181	200.44	.894	242.43	.846	384.44	.885	326.43	.115	368.44	.147	490.43	.167
59.44	.1	201.43	.893	243.43	.849	385.43	.885	327.43	.115	369.44	.147	491.43	.167
60.44	.898	202.44	.893	244.44	.849	386.43	.886	328.43	.116	370.44	.148	492.44	.165
61.44	.897	203.43	.895	245.44	.851	387.43	.887	329.44	.116	371.44	.149	493.44	.166
62.44	.182	204.44	.894	246.44	.854	388.43	.888	330.44	.117	372.44	.149	494.44	.168
63.44	.1	205.43	.892	247.44	.855	389.43	.888	331.43	.118	373.44	.149	495.44	.169
64.44	.898	206.43	.892	248.44	.856	390.43	.889	332.44	.119	374.44	.149	496.43	.169
65.44	.898	207.43	.891	249.44	.858	391.43	.89	333.43	.119	375.43	.15	497.44	.169
66.44	.896	208.43	.892	250.44	.859	392.43	.891	334.44	.12	376.43	.151	498.44	.168
67.44	.894	209.43	.894	251.44	.86	393.43	.891	335.44	.121	377.43	.15	499.44	.168
68.44	.898	210.44	.894	252.44	.861	394.43	.892	336.44	.122	378.44	.152	428.44	.167
69.43	.899	211.44	.893	253.43	.862	395.43	.893	337.43	.123	379.44	.153	421.44	.165
70.44	.897	212.44	.891	254.43	.864	396.43	.894	338.43	.123	380.44	.155	422.43	.168
71.43	.898	213.43	.888	255.43	.865	397.44	.894	339.43	.123	381.44	.155	423.43	.172
72.44	.896	214.43	.889	256.43	.866	398.44	.895	340.43	.125	382.44	.155	424.44	.172
73.43	.898	215.44	.888	257.43	.866	399.43	.896	341.43	.125	383.44	.156	425.43	.173
74.44	.893	216.44	.889	258.43	.867	380.44	.897	342.43	.126	384.44	.156	426.44	.172
75.44	.896	217.44	.887	259.43	.868	381.44	.897	343.43	.128	385.44	.156	427.44	.169
76.44	.897	218.44	.887	260.43	.869	382.44	.898	344.43	.129	386.44	.156	428.43	.171
77.44	.895	219.43	.887	261.43	.869	383.43	.899	345.43	.129	387.44	.156	429.43	.168
78.44	.899	220.43	.886	262.44	.87	384.44	.1	346.44	.13	388.44	.158	430.44	.169
79.44	.897	221.43	.886	263.44	.871	385.43	.1	347.44	.131	389.44	.16	431.44	.176
80.44	.896	222.43	.893	264.44	.872	386.43	.1	348.44	.132	390.43	.159	432.44	.177
81.44	.898	223.43	.893	265.43	.872	387.43	.881	349.44	.132	391.43	.158	433.44	.169
82.44	.899	224.43	.882	266.43	.872	388.43	.893	350.43	.133	392.43	.158	434.44	.171
83.44	.896	225.43	.877	267.43	.874	389.43	.882	351.43	.134	393.43	.16	435.44	.175
84.44	.895	226.43	.876	268.44	.875	390.44	.884	352.44	.135	394.44	.162	436.44	.171
85.44	.898	227.43	.872	269.44	.874	391.43	.884	353.44	.135	395.43	.162	437.44	.174
86.44	.896	228.43	.864	270.44	.875	392.44	.885	354.44	.136	396.44	.162	438.44	.173
87.43	.897	229.43	.855	271.43	.876	393.44	.885	355.44	.137	397.44	.163	439.44	.174
88.43	.899	230.44	.841	272.43	.877	394.44	.886	356.43	.138	398.44	.16	440.44	.172
89.43	.898	231.44	.819	273.43	.877	395.43	.887	357.43	.138	399.44	.164	441.43	.167
90.44	.895	232.44	-.819	274.43	.878	396.44	.888	358.43	.139	400.44	.166	442.43	.174
91.43	.895	233.44	0	275.43	.878	397.44	.888	359.43	.14	401.44	.165	443.43	.174
92.44	.894	234.44	0	276.43	.879	398.44	.888	360.44	.141	402.44	.165	444.43	.174
												445.43	.175
												446.44	.173
												447.44	.175
												449.44	.175
												449.44	.174

541	193.23	544	235.23	2,839	277.23	2,442	319.22	4434	361.22	1,183	483.23	178
536	194.23	547	236.23	2,843	278.23	2,444	320.22	4411	362.23	1,184	484.23	178
536	195.22	554	237.23	2,854	279.22	2,461	321.22	4396	363.22	1,183	485.23	177
531	196.23	56	238.23	2,86	280.23	2,482	322.23	4383	364.23	1,183	486.23	178
531	197.23	572	239.23	2,878	281.23	2,416	323.22	4372	365.23	1,183	487.23	181
532	198.23	586	240.22	2,892	282.23	2,448	324.22	4362	366.23	1,183	488.23	178
53	199.23	585	241.22	2,916	283.23	2,477	325.22	435	367.23	1,183	489.22	176
524	200.23	799	242.23	2,925	284.23	2,498	326.22	4339	368.23	1,183	490.22	178
521	201.23	935	243.22	2,945	285.22	2,521	327.22	4328	369.22	1,184	491.22	177
52	202.23	1,095	244.23	2,967	286.23	2,551	328.23	4318	370.23	1,184	492.23	176
515	203.23	1,226	245.23	2,98	287.23	2,579	329.23	4308	371.23	1,184	493.23	174
518	204.23	1,337	246.23	2,995	288.23	2,631	330.23	4299	372.23	1,184	494.23	177
509	205.22	1,457	247.23	3,014	289.23	2,564	331.22	429	373.23	1,184	495.23	177
502	206.23	1,555	248.23	3,024	290.22	2,584	332.22	4281	374.22	1,184	496.23	176
507	207.22	1,66	249.23	3,037	291.22	2,436	333.22	4271	375.22	1,183	497.23	175
503	208.22	1,748	250.23	3,058	292.22	2,373	334.23	4262	376.23	1,184	498.23	175
499	209.23	1,809	251.23	3,065	293.22	2,321	335.23	4255	377.22	1,183	499.23	173
506	210.23	1,875	252.23	3,073	294.23	2,271	336.23	4249	378.23	1,183	420.23	172
500	211.23	1,948	253.22	3,085	295.23	2,212	337.23	4242	379.23	1,183	421.23	169
507	212.23	2,015	254.23	3,095	296.23	2,158	338.22	4234	380.23	1,184	422.23	172
507	213.22	2,071	255.22	3,099	297.22	2,11	339.22	4228	381.23	1,184	423.23	175
509	214.23	2,137	256.23	3,102	298.23	2,048	340.23	4222	382.23	1,184	424.23	176
514	215.23	2,191	257.23	3,11	299.22	2,004	341.22	4218	383.23	1,184	425.23	175
513	216.23	2,236	258.22	3,099	300.23	1,961	342.22	4213	384.23	1,183	426.23	175
518	217.23	2,29	259.22	3,076	301.23	1,913	343.22	4209	385.23	1,183	427.23	171
519	218.23	2,344	260.22	3,089	302.23	1,871	344.22	4205	386.23	1,184	428.22	172
526	219.23	2,398	261.22	3,083	303.22	1,824	345.22	4202	387.23	1,182	429.22	17
525	220.23	2,452	262.23	3,075	304.23	1,785	346.23	4198	388.23	1,182	430.23	169
53	221.22	2,493	263.23	3,055	305.22	1,751	347.23	4195	389.23	1,183	431.23	175
529	222.23	2,537	264.23	3,046	306.23	1,719	348.23	4194	390.22	1,184	432.23	179
532	223.22	2,594	265.23	3,029	307.22	1,685	349.23	4192	391.22	1,182	433.23	17
534	224.22	2,631	266.23	3,004	308.22	1,654	350.22	419	392.22	1,179	434.23	169
531	225.22	2,671	267.22	2,975	309.22	1,622	351.22	4188	393.22	1,181	435.22	174
531	226.23	2,698	268.23	2,935	310.23	1,594	352.23	4187	394.23	1,183	436.23	172
532	227.22	2,727	269.23	2,901	311.22	1,573	353.23	4186	395.22	1,183	437.23	172
533	228.23	2,753	270.23	2,863	312.23	1,551	354.23	4186	396.22	1,181	438.23	172
539	229.23	2,77	271.23	2,811	313.23	1,528	355.23	4184	397.23	1,179	439.22	171
537	230.23	2,789	272.22	2,757	314.23	1,508	356.23	4184	398.23	1,179	440.22	172
537	231.23	2,802	273.22	2,69	315.22	1,487	357.22	4184	399.23	1,182	441.22	165
536	232.23	2,816	274.23	2,626	316.23	1,469	358.23	4183	400.23	1,183	442.22	17
542	233.23	2,83	275.22	2,561	317.23	1,454	359.22	4183	401.23	1,18	443.22	173
547	234.23	2,831	276.23	2,498	318.23	1,44	360.22	4183	402.23	1,18	444.22	17
											445.22	172
											446.22	171
											447.22	172
											448.23	172
											449.22	171

107	.689	193.08	.668	235.08	3.126	277.08	3.307	319.08	1.809	361.08	.253	483.08	.224
146	.783	194.07	.657	236.07	3.142	278.07	3.302	320.07	1.768	362.07	.255	484.07	.222
108	.783	195.08	.669	237.08	3.153	279.08	3.301	321.08	1.727	363.08	.248	485.08	.222
107	.781	196.07	.68	238.07	3.169	280.07	3.293	322.07	1.686	364.07	.246	486.07	.223
108	.786	197.08	.699	239.08	3.193	281.08	3.294	323.08	1.656	365.08	.246	487.08	.223
107	.787	198.07	.728	240.07	3.227	282.07	3.294	324.07	1.626	366.07	.244	488.07	.222
108	.711	199.08	.79	241.07	3.234	283.08	3.298	325.07	1.592	367.08	.243	489.08	.219
107	.784	200.07	.784	242.07	3.252	284.07	3.295	326.07	1.562	368.07	.242	490.07	.22
108	.7	201.07	1.057	243.07	3.271	285.08	3.288	327.07	1.53	369.08	.241	491.08	.219
107	.699	202.07	1.226	244.07	3.282	286.07	3.29	328.07	1.498	370.07	.24	492.07	.218
108	.698	203.08	1.346	245.08	3.288	287.08	3.281	329.08	1.473	371.08	.24	493.08	.216
107	.694	204.07	1.46	246.07	3.302	288.07	3.279	330.07	1.449	372.07	.239	494.07	.219
108	.683	205.08	1.597	247.08	3.317	289.08	3.264	331.08	1.422	373.08	.238	495.08	.218
107	.671	206.07	1.731	248.07	3.312	290.07	3.239	332.07	1.397	374.07	.236	496.07	.217
108	.67	207.07	1.883	249.08	3.315	291.07	3.197	333.08	1.371	375.08	.236	497.08	.216
107	.668	208.07	1.893	250.07	3.33	292.07	3.149	334.07	1.344	376.07	.236	498.07	.215
108	.667	209.08	1.971	251.08	3.331	293.07	3.108	335.08	1.324	377.07	.235	499.08	.213
107	.666	210.07	2.03	252.07	3.344	294.07	3.05	336.07	1.304	378.07	.234	500.07	.213
108	.664	211.08	2.099	253.08	3.354	295.08	2.968	337.08	1.282	379.08	.234	501.08	.208
107	.66	212.07	2.16	254.07	3.352	296.07	2.888	338.07	1.263	380.07	.234	502.07	.211
108	.652	213.08	2.24	255.07	3.349	297.08	2.786	339.08	1.242	381.08	.234	503.08	.214
107	.656	214.07	2.298	256.07	3.367	298.07	2.676	340.07	1.222	382.07	.233	504.07	.214
108	.654	215.08	2.346	257.08	3.354	299.08	2.583	341.08	1.207	383.08	.232	505.08	.213
107	.651	216.07	2.389	258.07	3.355	300.07	2.491	342.07	1.193	384.07	.233	506.07	.213
108	.659	217.08	2.446	259.07	3.364	301.08	2.377	343.08	1.177	385.08	.232	507.08	.21
107	.653	218.07	2.496	260.07	3.359	302.07	2.272	344.07	1.163	386.07	.232	508.07	.209
108	.653	219.08	2.549	261.07	3.351	303.08	2.157	345.07	1.149	387.08	.229	509.08	.208
107	.658	220.07	2.6	262.07	3.343	304.07	2.046	346.07	1.137	388.07	.229	510.07	.206
108	.652	221.07	2.645	263.08	3.353	305.08	1.958	347.08	1.127	389.08	.231	511.08	.211
107	.66	222.07	2.692	264.07	3.34	306.07	1.874	348.07	1.119	390.07	.231	512.07	.216
108	.659	223.08	2.747	265.08	3.341	307.08	1.776	349.08	1.11	391.08	.229	513.08	.208
107	.654	224.07	2.786	266.07	3.336	308.07	1.691	350.07	1.102	392.07	.227	514.07	.205
108	.656	225.08	2.829	267.08	3.325	309.07	1.6	351.08	1.094	393.07	.226	515.08	.21
107	.659	226.07	2.875	268.07	3.33	310.07	1.516	352.07	1.137	394.07	.229	516.07	.209
108	.656	227.08	2.898	269.08	3.327	311.08	1.45	353.08	1.132	395.08	.228	517.08	.207
107	.66	228.07	2.924	270.07	3.32	312.07	1.389	354.07	1.127	396.07	.228	518.07	.207
108	.654	229.08	2.966	271.08	3.32	313.08	1.32	355.08	1.122	397.07	.225	519.08	.206
107	.656	230.07	2.997	272.07	3.315	314.07	1.26	356.07	1.117	398.07	.224	520.07	.208
108	.661	231.08	3.032	273.07	3.304	315.08	1.198	357.08	1.114	399.08	.225	521.08	.201
107	.662	232.07	3.057	274.07	3.306	316.07	1.141	358.07	1.11	400.07	.228	522.07	.204
108	.664	233.08	3.076	275.08	3.306	317.08	1.096	359.08	1.108	401.08	.226	523.08	.207
107	.667	234.07	3.099	276.07	3.305	318.07	1.055	360.07	1.105	402.07	.224	524.07	.204
												445.08	.205
												446.07	.205
												447.07	.205
												448.07	.205
												449.08	.203



32	.449	193.32	.463	235.32	1.492	277.32	1.184	319.32	1.114	361.31	1.155	403.32	1.149
69	.453	194.32	.465	236.32	1.497	278.32	1.189	320.32	1.119	362.32	1.154	404.32	1.147
32	.453	195.32	.466	237.32	1.495	279.31	1.187	321.32	1.119	363.31	1.154	405.31	1.146
32	.45	196.32	.477	238.32	1.489	280.32	1.185	322.32	1.121	364.31	1.153	406.32	1.15
32	.446	197.32	.489	239.32	1.488	281.32	1.181	323.32	1.124	365.32	1.153	407.32	1.151
31	.447	198.32	.524	240.31	1.485	282.32	1.185	324.32	1.123	366.32	1.152	408.32	1.149
32	.442	199.32	.6	241.31	1.484	283.32	1.185	325.31	1.121	367.32	1.152	409.31	1.147
32	.445	200.32	.71	242.31	1.488	284.32	1.188	326.31	1.125	368.32	1.151	410.31	1.149
32	.441	201.31	.876	243.32	1.494	285.32	1.193	327.31	1.129	369.32	1.151	411.31	1.148
32	.446	202.32	1.029	244.32	1.491	286.32	1.193	328.32	1.122	370.32	1.151	412.31	1.146
32	.444	203.32	1.137	245.32	1.491	287.32	1.192	329.32	1.127	371.32	1.151	413.32	1.146
32	.434	204.32	1.256	246.32	1.491	288.32	1.193	330.32	1.124	372.32	1.15	414.32	1.149
32	.437	205.32	1.386	247.32	1.494	289.32	1.176	331.32	1.126	373.32	1.15	415.32	1.149
32	.434	206.32	1.488	248.32	1.498	290.32	1.151	332.32	1.121	374.31	1.15	416.31	1.149
32	.439	207.31	1.582	249.32	1.464	291.31	1.124	333.32	1.126	375.32	1.15	417.32	1.148
32	.439	208.31	1.669	250.32	1.479	292.31	1.102	334.32	1.121	376.32	1.149	418.32	1.148
73	.438	209.32	1.736	251.32	1.492	293.32	1.112	335.32	1.116	377.31	1.149	419.32	1.147
32	.439	210.32	1.805	252.32	1.486	294.32	1.112	336.32	1.112	378.31	1.149	420.32	1.146
32	.436	211.32	1.867	253.32	1.489	295.32	1.114	337.32	1.108	379.32	1.149	421.32	1.143
32	.441	212.32	1.924	254.32	1.488	296.32	1.121	338.32	1.104	380.32	1.15	422.31	1.146
31	.447	213.32	1.983	255.31	1.486	297.32	1.119	339.31	1.11	381.32	1.15	423.32	1.15
32	.448	214.32	2.032	256.32	1.487	298.32	1.118	340.32	1.106	382.32	1.15	424.32	1.15
32	.452	215.32	2.063	257.32	1.486	299.32	1.112	341.32	1.103	383.32	1.15	425.32	1.15
34	.453	216.32	2.089	258.32	1.488	300.32	1.114	342.32	1.109	384.32	1.15	426.32	1.15
35	.454	217.32	2.114	259.32	1.485	301.32	1.118	343.31	1.107	385.32	1.149	427.32	1.146
76	.458	218.32	2.136	260.32	1.496	302.32	1.111	344.31	1.103	386.32	1.149	428.31	1.148
77	.46	219.32	2.147	261.32	1.498	303.32	1.102	345.31	1.108	387.32	1.148	429.31	1.146
78	.46	220.32	2.146	262.32	1.495	304.32	1.107	346.32	1.107	388.32	1.149	430.32	1.145
79	.458	221.32	2.148	263.32	1.491	305.32	1.114	347.32	1.105	389.32	1.15	431.32	1.152
80	.463	222.32	2.146	264.32	1.482	306.32	1.111	348.32	1.103	390.32	1.15	432.32	1.154
81	.468	223.32	2.137	265.32	1.483	307.32	1.107	349.32	1.107	391.32	1.148	433.32	1.148
82	.466	224.31	2.121	266.32	1.482	308.32	1.104	350.32	1.108	392.32	1.146	434.32	1.147
83	.463	225.32	2.104	267.32	1.482	309.31	1.101	351.31	1.107	393.31	1.148	435.32	1.152
84	.463	226.32	2.083	268.32	1.487	310.32	1.099	352.32	1.104	394.32	1.15	436.32	1.148
85	.465	227.32	2.065	269.32	1.497	311.32	1.098	353.32	1.103	395.31	1.15	437.32	1.151
86	.462	228.32	2.045	270.32	1.495	312.32	1.099	354.32	1.102	396.31	1.15	438.32	1.15
87	.466	229.32	2.023	271.32	1.486	313.32	1.099	355.32	1.101	397.32	1.146	439.32	1.15
88	.462	230.32	2.003	272.32	1.482	314.32	1.099	356.32	1.109	398.32	1.147	440.32	1.15
89	.466	231.32	1.982	273.31	1.479	315.31	1.097	357.31	1.108	399.31	1.15	441.32	1.144
90	.464	232.32	1.962	274.32	1.482	316.32	1.098	358.31	1.108	400.32	1.151	442.31	1.15
91	.467	233.32	1.946	275.32	1.477	317.32	1.093	359.32	1.107	401.32	1.149	443.32	1.152
92	.467	234.32	1.936	276.32	1.482	318.32	1.093	360.32	1.105	402.31	1.149	444.32	1.15
												445.32	1.153
												446.32	1.151
												447.32	1.152
												448.32	1.153
												449.32	1.152

.533	194.04	.528	236.04	2.296	278.04	1.564	320.04	.457	362.04	.171	404.04	.146
.536	195.04	.525	237.04	2.231	279.04	1.524	321.04	.442	363.04	.169	405.04	.143
.538	196.04	.535	238.04	2.171	280.04	1.484	322.04	.427	364.04	.166	406.04	.147
.531	197.04	.549	239.04	2.123	281.04	1.451	323.04	.415	365.04	.165	407.04	.149
.533	198.04	.574	240.03	2.084	282.04	1.421	324.04	.404	366.04	.163	408.04	.148
.524	199.04	.641	241.04	2.039	283.04	1.384	325.04	.391	367.04	.161	409.04	.145
.521	200.04	.752	242.04	2.004	284.04	1.35	326.03	.379	368.04	.159	410.03	.147
.52	201.04	.893	243.04	1.97	285.04	1.312	327.04	.367	369.04	.158	411.04	.148
.514	202.04	1.045	244.04	1.941	286.04	1.276	328.04	.355	370.04	.157	412.04	.146
.509	203.04	1.181	245.04	1.919	287.04	1.245	329.04	.346	371.04	.156	413.04	.144
.508	204.04	1.297	246.04	1.904	288.04	1.216	330.04	.338	372.04	.154	414.04	.147
.504	205.04	1.429	247.04	1.886	289.04	1.181	331.04	.327	373.04	.153	415.04	.149
.506	206.03	1.525	248.04	1.874	290.04	1.15	332.04	.318	374.04	.152	416.04	.148
.504	207.04	1.623	249.04	1.866	291.04	1.116	333.04	.309	375.04	.151	417.04	.147
.499	208.03	1.719	250.04	1.86	292.04	1.082	334.04	.301	376.04	.15	418.04	.147
.5	209.04	1.795	251.04	1.857	293.04	1.054	335.04	.293	377.04	.149	419.04	.147
.507	210.04	1.851	252.04	1.856	294.04	1.028	336.04	.287	378.04	.149	420.04	.146
.502	211.04	1.924	253.04	1.86	295.04	.996	337.04	.279	379.04	.148	421.04	.143
.503	212.04	1.991	254.04	1.862	296.04	.968	338.04	.273	380.04	.148	422.04	.145
.506	213.04	2.054	255.04	1.867	297.04	.936	339.04	.265	381.04	.149	423.04	.149
.511	214.04	2.119	256.04	1.874	298.04	.906	340.04	.258	382.04	.147	424.04	.15
.509	215.04	2.173	257.04	1.881	299.04	.882	341.04	.254	383.04	.147	425.04	.15
.506	216.04	2.218	258.04	1.886	300.04	.857	342.04	.249	384.04	.147	426.04	.15
.512	217.04	2.274	259.04	1.894	301.04	.831	343.04	.242	385.04	.146	427.04	.147
.514	218.04	2.324	260.04	1.899	302.04	.806	344.04	.237	386.04	.147	428.04	.147
.515	219.04	2.378	261.04	1.904	303.04	.78	345.04	.232	387.04	.146	429.04	.147
.517	220.04	2.429	262.04	1.906	304.04	.752	346.04	.227	388.04	.145	430.04	.143
.521	221.04	2.475	263.04	1.907	305.04	.732	347.04	.222	389.04	.146	431.04	.151
.513	222.04	2.517	264.04	1.904	306.03	.712	348.04	.218	390.04	.147	432.04	.155
.522	223.04	2.568	265.04	1.899	307.04	.689	349.04	.213	391.04	.145	433.04	.15
.515	224.04	2.611	266.04	1.891	308.03	.668	350.04	.21	392.04	.144	434.04	.146
.521	225.04	2.65	267.04	1.877	309.04	.647	351.04	.205	393.04	.144	435.04	.152
.522	226.04	2.669	268.04	1.861	310.04	.624	352.04	.201	394.04	.147	436.04	.151
.517	227.04	2.682	269.04	1.84	311.04	.607	353.04	.198	395.04	.147	437.04	.151
.517	228.04	2.684	270.04	1.823	312.04	.59	354.04	.194	396.04	.147	438.04	.152
.515	229.04	2.67	271.04	1.795	313.04	.571	355.04	.191	397.04	.148	439.04	.15
.519	230.04	2.646	272.04	1.768	314.04	.553	356.04	.187	398.04	.148	440.04	.152
.519	231.04	2.603	273.04	1.734	315.04	.534	357.04	.184	399.04	.145	441.04	.147
.523	232.04	2.542	274.04	1.698	316.04	.516	358.04	.181	400.04	.149	442.04	.149
.523	233.04	2.484	275.04	1.667	317.04	.502	359.04	.178	401.04	.147	443.04	.153
.522	234.04	2.433	276.04	1.637	318.04	.488	360.04	.175	402.04	.146	444.04	.151
.526	235.04	2.36	277.04	1.598	319.04	.471	361.04	.173	403.04	.147	445.04	.153
											446.04	.152
											447.04	.153
											448.04	.154
											449.04	.153

.64	193.34	.62	235.34	3.843	277.34	2.625	319.34	.735	361.34	.236	403.34	.176
.642	194.34	.616	236.34	3.855	278.34	2.586	320.34	.759	362.34	.231	404.34	.175
.642	195.34	.623	237.34	3.854	279.34	2.535	321.34	.732	363.34	.228	405.34	.173
.649	196.34	.633	239.34	3.864	280.34	2.492	322.34	.709	364.34	.223	406.34	.176
.648	197.34	.646	239.34	3.868	281.34	2.453	323.34	.688	365.34	.222	407.34	.177
.646	198.34	.658	240.34	3.878	282.34	2.407	324.34	.667	366.34	.217	408.34	.173
.645	199.34	.669	241.34	3.88	283.34	2.357	325.34	.645	367.34	.214	409.34	.172
.642	200.34	.693	242.34	3.876	284.34	2.305	326.34	.625	368.34	.212	410.34	.174
.643	201.34	1.042	243.34	3.87	285.34	2.249	327.34	.602	369.34	.209	411.34	.173
.634	202.34	1.195	244.34	3.86	286.34	2.196	328.34	.583	370.34	.207	412.34	.171
.637	203.34	1.323	245.34	3.85	287.34	2.149	329.34	.567	371.34	.205	413.34	.171
.631	204.34	1.446	246.34	3.846	288.34	2.1	330.34	.551	372.34	.202	414.34	.173
.626	205.34	1.566	247.34	3.832	289.34	2.044	331.34	.532	373.34	.2	415.34	.173
.612	206.34	1.685	248.34	3.817	290.34	1.988	332.34	.515	374.34	.198	416.34	.171
.617	207.34	1.769	249.34	2.999	291.33	1.927	333.34	.498	375.34	.197	417.34	.171
.614	208.33	1.857	250.34	2.999	292.34	1.873	334.34	.482	376.34	.195	418.34	.17
.616	209.34	1.92	251.34	2.992	293.34	1.827	335.34	.469	377.34	.193	419.34	.169
.616	210.34	1.986	252.34	2.987	294.34	1.776	336.34	.456	378.34	.192	420.34	.168
.611	211.34	2.057	253.34	2.975	295.34	1.722	337.34	.441	379.34	.19	421.34	.165
.614	212.34	2.124	254.34	2.975	296.34	1.671	338.34	.428	380.34	.191	422.34	.167
.608	213.34	2.19	255.34	2.969	297.34	1.614	339.34	.413	381.34	.19	423.34	.17
.61	214.34	2.251	256.34	2.962	298.34	1.563	340.34	.401	382.34	.188	424.34	.17
.61	215.34	2.301	257.34	2.959	299.34	1.52	341.34	.39	383.34	.187	425.34	.171
.618	216.34	2.35	258.34	2.956	300.34	1.475	342.34	.379	384.34	.187	426.34	.17
.61	217.34	2.4	259.34	2.952	301.34	1.427	343.34	.368	385.34	.185	427.34	.167
.617	218.34	2.454	260.34	2.94	302.34	1.38	344.34	.357	386.34	.185	428.34	.168
.615	219.34	2.503	261.34	2.938	303.34	1.331	345.34	.346	387.34	.184	429.34	.165
.616	220.34	2.562	262.34	2.934	304.34	1.288	346.34	.336	388.34	.183	430.34	.164
.612	221.34	2.605	263.34	2.925	305.34	1.25	347.34	.328	389.34	.184	431.34	.171
.614	222.34	2.652	264.34	2.915	306.34	1.212	348.34	.319	390.34	.183	432.34	.172
.61	223.34	2.707	265.34	2.907	307.34	1.171	349.34	.31	391.34	.181	433.34	.166
.618	224.34	2.754	266.34	2.894	308.33	1.132	350.34	.302	392.34	.178	434.34	.165
.607	225.34	2.798	267.34	2.883	309.34	1.09	351.34	.294	393.34	.177	435.34	.169
.612	226.34	2.82	268.34	2.864	310.34	1.054	352.34	.286	394.34	.181	436.34	.165
.607	227.34	2.858	269.34	2.847	311.34	1.023	353.34	.279	395.34	.18	437.34	.168
.606	228.34	2.882	270.34	2.829	312.34	.992	354.34	.273	396.34	.18	438.34	.167
.612	229.34	2.918	271.34	2.81	313.34	.958	355.34	.267	397.34	.176	439.34	.167
.614	230.34	2.949	272.34	2.785	314.34	.926	356.34	.261	398.34	.176	440.34	.167
.613	231.34	2.98	273.33	2.749	315.34	.892	357.34	.254	399.34	.177	441.34	.162
.614	232.34	2.992	274.34	2.721	316.34	.863	358.34	.249	400.34	.177	442.34	.167
.616	233.34	3.016	275.34	2.698	317.34	.837	359.34	.245	401.34	.177	443.34	.168
.614	234.34	3.031	276.34	2.661	318.34	.813	360.34	.24	402.34	.175	444.34	.166
											445.34	.167
											446.34	.166
											447.34	.166
											448.34	.167
											449.34	.166

.16	193.43	.161	235.43	.12	277.43	.142	319.43	.143	361.43	.149	403.43	.162
.155	194.43	.158	236.43	.195	278.43	.142	320.43	.143	362.44	.149	404.43	.162
.155	195.43	.159	237.43	.191	279.43	.141	321.43	.144	363.43	.15	405.43	.162
.155	196.43	.166	238.43	.139	280.44	.141	322.44	.143	364.44	.151	406.44	.165
.156	197.43	.183	239.43	.137	281.43	.141	323.43	.144	365.43	.15	407.43	.166
.161	198.43	.221	240.43	.135	282.44	.141	324.43	.143	366.44	.151	408.43	.163
.158	199.43	.296	241.43	.131	283.43	.14	325.43	.143	367.43	.151	409.43	.163
.157	200.43	.417	242.43	.179	284.44	.14	326.43	.144	368.44	.152	410.43	.164
.154	201.43	.593	243.43	.179	285.43	.14	327.43	.145	369.43	.152	411.43	.164
.156	202.43	.731	244.44	.177	286.43	.14	328.44	.144	370.44	.152	412.44	.163
.155	203.43	.842	245.43	.175	287.43	.14	329.43	.144	371.43	.153	413.43	.164
.159	204.43	.961	246.43	.174	288.44	.14	330.44	.144	372.44	.153	414.44	.166
.157	205.43	1.086	247.43	.174	289.43	.14	331.43	.145	373.43	.153	415.43	.165
.161	206.43	1.186	248.44	.172	290.43	.14	332.44	.145	374.44	.153	416.44	.166
.157	207.42	1.276	249.43	.171	291.43	.14	333.43	.145	375.43	.154	417.43	.167
.158	208.43	1.352	250.44	.17	292.43	.14	334.44	.145	376.44	.154	418.44	.165
.158	209.43	1.412	251.43	.17	293.43	.139	335.43	.146	377.43	.154	419.43	.165
.161	210.43	1.462	252.44	.17	294.44	.14	336.44	.145	378.43	.154	420.44	.165
.156	211.43	1.475	253.43	.168	295.43	.14	337.43	.146	379.43	.155	421.43	.162
.161	212.43	1.415	254.44	.167	296.44	.14	338.43	.146	380.44	.156	422.43	.164
.155	213.43	1.262	255.43	.167	297.43	.139	339.43	.146	381.43	.157	423.43	.168
.155	214.43	1.88	256.43	.166	298.44	.14	340.44	.146	382.44	.156	424.44	.168
.157	215.43	.925	257.43	.165	299.43	.139	341.43	.146	383.43	.157	425.43	.169
.156	216.44	.766	258.44	.164	300.44	.14	342.44	.146	384.44	.158	426.43	.168
.157	217.43	.631	259.43	.163	301.43	.14	343.43	.146	385.43	.158	427.43	.166
.16	218.43	.527	260.43	.162	302.44	.14	344.43	.146	386.44	.157	428.43	.168
.158	219.43	.44	261.43	.16	303.43	.14	345.43	.147	387.43	.157	429.43	.164
.154	220.43	.378	262.44	.158	304.44	.14	346.44	.147	388.44	.158	430.44	.164
.155	221.43	.34	263.43	.157	305.43	.14	347.43	.147	389.43	.16	431.43	.172
.157	222.43	.31	264.44	.156	306.44	.14	348.44	.146	390.43	.16	432.44	.172
.158	223.43	.283	265.43	.154	307.43	.14	349.43	.147	391.43	.159	433.43	.166
.154	224.43	.263	266.44	.152	308.43	.141	350.44	.148	392.43	.157	434.44	.166
.159	225.43	.248	267.43	.152	309.43	.14	351.43	.148	393.43	.15	435.43	.17
.154	226.43	.24	268.44	.15	310.43	.142	352.44	.148	394.44	.151	436.44	.167
.153	227.43	.233	269.43	.149	311.43	.141	353.43	.148	395.43	.151	437.43	.17
.153	228.43	.225	270.44	.147	312.43	.141	354.44	.148	396.43	.151	438.44	.168
.156	229.43	.22	271.43	.147	313.43	.142	355.43	.143	397.43	.159	439.43	.168
.157	230.43	.217	272.43	.145	314.44	.142	356.44	.148	398.44	.159	440.44	.167
.152	231.43	.213	273.43	.145	315.43	.142	357.43	.149	399.43	.163	441.43	.162
.158	232.44	.209	274.43	.143	316.44	.142	358.44	.149	400.44	.164	442.44	.168
.156	233.43	.206	275.43	.144	317.43	.142	359.43	.148	401.43	.163	443.43	.169
.158	234.43	.204	276.43	.144	318.44	.142	360.43	.149	402.44	.163	444.43	.167
											445.43	.169
											446.44	.168
											447.43	.168
											448.44	.168
											449.43	.166

.068	196.79	.058	238.78	.019	288.79	.048	322.79	.076	364.79	.107	406.79	.132
.066	197.78	.058	239.77	.019	281.78	.049	323.78	.077	365.78	.108	407.78	.133
.068	198.79	.049	240.78	.019	282.79	.049	324.78	.078	366.79	.107	408.78	.127
.065	199.78	.036	241.77	.02	283.78	.051	325.78	.079	367.78	.108	409.77	.129
.068	200.78	.014	242.78	.022	284.78	.051	326.78	.079	368.79	.11	410.78	.131
.068	201.77	6E-03	243.78	.023	285.78	.052	327.77	.08	369.78	.11	411.78	.128
.068	202.79	.014	244.79	.023	286.78	.052	328.78	.081	370.78	.111	412.79	.127
.065	203.77	5E-03	245.78	.024	287.78	.053	329.78	.082	371.78	.111	413.78	.13
.067	204.78	-5E-03	246.78	.026	288.78	.054	330.78	.082	372.78	.111	414.79	.132
.068	205.78	5E-03	247.78	.026	289.78	.054	331.78	.083	373.78	.112	415.78	.13
.068	206.78	6E-03	248.78	.027	290.78	.055	332.79	.084	374.78	.112	416.79	.129
.067	207.77	4E-03	249.78	.027	291.78	.056	333.78	.085	375.77	.113	417.78	.13
.071	208.78	-4E-03	250.79	.03	292.78	.056	334.79	.085	376.78	.115	418.79	.13
.066	209.78	-1E-03	251.78	.03	293.78	.057	335.78	.086	377.77	.114	419.78	.128
.065	210.78	1E-03	252.78	.031	294.79	.057	336.79	.087	378.78	.115	420.79	.127
.068	211.78	2E-03	253.77	.031	295.78	.059	337.77	.087	379.78	.115	421.78	.127
.067	212.78	-2E-03	254.78	.032	296.78	.059	338.78	.088	380.78	.117	422.78	.131
.066	213.78	2E-03	255.78	.033	297.78	.06	339.78	.089	381.78	.117	423.78	.133
.065	214.78	3E-03	256.78	.034	298.78	.061	340.78	.089	382.79	.118	424.79	.132
.061	215.78	3	257.78	.034	299.78	.061	341.78	.091	383.78	.119	425.78	.133
.062	216.79	0	258.78	.036	300.79	.062	342.78	.091	384.79	.119	426.79	.132
.063	217.78	0	259.78	.036	301.78	.062	343.78	.092	385.78	.119	427.78	.129
.064	218.78	5E-03	260.78	.037	302.78	.063	344.78	.093	386.78	.119	428.78	.131
.066	219.77	2E-03	261.78	.037	303.78	.064	345.78	.094	387.78	.118	429.78	.128
.063	220.78	0	262.78	.038	304.78	.065	346.79	.094	388.78	.121	430.79	.132
.065	221.78	3E-03	263.78	.039	305.78	.066	347.78	.095	389.78	.122	431.78	.133
.066	222.78	6E-03	264.79	.039	306.79	.065	348.79	.096	390.78	.122	432.79	.134
.065	223.78	5E-03	265.78	.039	307.77	.067	349.78	.097	391.78	.12	433.78	.129
.064	224.78	5E-03	266.78	.041	308.78	.067	350.78	.097	392.78	.121	434.79	.134
.064	225.78	6E-03	267.78	.041	309.78	.069	351.78	.098	393.78	.124	435.78	.134
.067	226.78	5E-03	268.78	.041	310.78	.069	352.79	.099	394.78	.125	436.79	.133
.061	227.77	6E-03	269.78	.042	311.78	.07	353.78	.1	395.77	.124	437.78	.133
.067	228.78	3E-03	270.79	.042	312.79	.07	354.79	.1	396.78	.123	438.79	.133
.066	229.78	.01	271.78	.043	313.78	.071	355.78	.1	397.78	.122	439.78	.133
.063	230.78	.012	272.78	.044	314.78	.071	356.78	.101	398.78	.124	440.79	.129
.064	231.78	.012	273.77	.044	315.78	.072	357.78	.103	399.78	.123	441.78	.13
.067	232.79	.013	274.78	.045	316.79	.073	358.78	.102	400.79	.127	442.79	.134
.065	233.78	.013	275.77	.045	317.78	.074	359.78	.103	401.78	.127	443.78	.133
.063	234.78	.015	276.78	.046	318.79	.074	360.78	.104	402.79	.125	444.78	.132
.065	235.78	.016	277.78	.047	319.78	.075	361.78	.105	403.78	.126	445.78	.133
.059	236.78	.016	278.78	.047	320.78	.075	362.79	.105	404.79	.126	446.79	.133
.063	237.78	.017	279.77	.048	321.78	.077	363.77	.106	405.78	.129	447.78	.134
											448.79	.132
											449.78	.132

12	576	286.1	593	246.1	3,365	286.1	1,954	328.1	1,477	366.1	1,238	406.1	1,239
15	577	297.11	59	147.11	3,381	287.11	1,893	327.11	1,465	367.11	1,236	407.11	1,237
11	577	288.1	688	246.11	3,373	288.1	1,834	328.1	1,452	368.1	1,267	408.1	1,268
12	572	289.12	584	249.11	3,387	289.11	1,778	329.11	1,442	369.11	1,266	409.11	1,266
11	566	218.1	586	250.1	3,386	290.1	1,717	330.1	1,432	370.1	1,266	410.1	1,266
12	569	211.11	594	251.12	3,338	291.11	1,652	331.11	1,422	371.11	1,266	411.11	1,266
11	564	212.1	687	252.11	3,379	292.1	1,583	332.1	1,412	372.1	1,265	412.1	1,264
12	567	213.11	613	253.11	3,338	293.11	1,53	333.11	1,401	373.11	1,264	413.11	1,262
11	563	214.1	633	254.1	3,365	294.1	1,448	334.1	1,39	374.1	1,264	414.1	1,264
12	56	215.11	646	255.11	3,35	295.11	1,419	335.11	1,383	375.11	1,263	415.11	1,264
11	556	216.11	651	256.11	3,337	296.11	1,361	336.11	1,376	376.11	1,262	416.11	1,264
11	562	217.12	67	257.11	3,318	297.11	1,381	337.11	1,367	377.11	1,263	417.11	1,262
11	56	218.1	689	258.1	3,382	298.1	1,241	338.1	1,359	378.1	1,262	418.1	1,261
12	561	219.11	709	259.11	3,279	299.11	1,193	339.11	1,352	379.11	1,262	419.12	1,261
11	555	220.1	739	260.1	3,255	300.11	1,148	340.1	1,345	380.1	1,262	420.1	1,259
12	558	221.11	774	261.11	3,227	301.11	1,897	341.11	1,34	381.11	1,262	421.11	1,255
11	553	222.1	822	262.1	3,285	302.11	1,85	342.1	1,335	382.1	1,261	422.1	1,257
12	548	223.11	915	263.11	3,18	303.11	1,883	343.11	1,329	383.11	1,261	423.11	1,25
11	553	224.1	1,009	264.1	3,154	304.1	1,956	344.1	1,325	384.1	1,26	424.1	1,261
12	55	225.11	1,118	265.12	3,111	305.11	1,921	345.11	1,32	385.11	1,279	425.11	1,259
11	552	226.1	1,241	266.1	3,875	306.1	1,889	346.1	1,317	386.1	1,278	426.1	1,258
12	55	227.11	1,356	267.11	3,834	307.11	1,852	347.11	1,313	387.11	1,277	427.11	1,255
11	553	228.1	1,447	268.1	2,984	308.1	1,819	348.1	1,311	388.1	1,276	428.1	1,255
11	552	229.12	1,572	269.11	2,948	309.11	1,786	349.11	1,309	389.11	1,277	429.11	1,253
11	561	230.11	1,697	270.1	2,91	310.1	1,754	350.1	1,307	390.1	1,277	430.1	1,251
11	564	231.11	1,846	271.11	2,859	311.11	1,72	351.11	1,303	391.11	1,276	431.11	1,257
12	574	232.11	1,99	272.1	2,81	312.1	1,688	352.1	1,301	392.1	1,275	432.1	1,251
12	584	233.11	2,188	273.11	2,746	313.11	1,662	353.11	1,299	393.11	1,274	433.11	1,252
11	582	234.1	2,23	274.1	2,682	314.1	1,661	354.1	1,299	394.1	1,276	434.1	1,248
11	597	235.12	2,394	275.11	2,63	315.11	1,64	355.11	1,296	395.11	1,275	435.11	1,254
11	623	236.1	2,56	276.1	2,581	316.1	1,619	356.1	1,296	396.1	1,274	436.1	1,252
12	685	237.11	2,789	277.11	2,52	317.11	1,683	357.11	1,295	397.11	1,272	437.11	1,251
11	686	238.1	2,856	278.1	2,463	318.1	1,687	358.1	1,293	398.1	1,271	438.1	1,251
11	687	239.11	2,977	279.11	2,4	319.11	1,671	359.11	1,292	399.11	1,273	439.11	1,249
11	681	240.1	3,075	280.1	2,351	320.1	1,656	360.1	1,292	400.1	1,274	440.1	1,251
11	684	241.11	3,175	281.11	2,383	321.11	1,641	361.11	1,291	401.11	1,272	441.11	1,244
11	687	242.1	3,233	282.1	2,329	322.1	1,624	362.1	1,291	402.1	1,271	442.1	1,247
11	683	243.11	3,279	283.11	2,262	323.11	1,613	363.11	1,289	403.11	1,271	443.11	1,249
11	698	244.1	3,316	284.1	2,895	324.1	1,602	364.1	1,289	404.1	1,269	444.1	1,247
12	694	245.12	3,347	285.11	2,826	325.11	1,489	365.11	1,289	405.11	1,267	445.11	1,248
												446.1	1,246
												447.11	1,246
												448.1	1,246
												449.11	1,245

52	.665	286.52	.675	246.52	3.541	286.52	2.862	326.51	.705	346.52	.297	446.52	.275
9	.655	287.52	.671	247.52	3.541	287.52	2.862	327.52	.697	347.52	.296	447.52	.274
52	.655	288.52	.674	248.52	3.543	288.52	2.946	328.52	.663	348.52	.295	448.52	.271
52	.649	289.52	.675	249.52	3.534	289.52	2.986	329.52	.642	349.52	.295	449.52	.27
52	.641	290.52	.674	250.52	3.536	290.52	2.999	330.52	.631	350.52	.294	450.52	.27
52	.634	291.52	.681	251.52	3.533	291.52	2.976	331.52	.637	351.52	.294	451.52	.269
52	.635	292.52	.671	252.52	3.522	292.52	2.923	332.52	.676	352.52	.293	452.52	.266
52	.631	293.52	.689	253.52	3.521	293.52	2.861	333.52	.651	353.52	.292	453.52	.267
52	.631	294.52	.701	254.52	3.495	294.52	2.79	334.52	.632	354.52	.291	454.52	.269
52	.632	295.52	.706	255.52	3.475	295.52	2.683	335.52	.615	355.52	.29	455.52	.267
52	.618	296.52	.744	256.52	3.462	296.52	2.583	336.52	.497	356.52	.289	456.52	.265
52	.623	297.52	.764	257.52	3.446	297.52	2.465	337.52	.48	357.52	.289	457.52	.264
52	.621	298.52	.774	258.52	3.422	298.52	2.366	338.52	.463	358.52	.288	458.52	.263
52	.622	299.52	.805	259.52	3.4	299.52	2.278	339.52	.445	359.52	.288	459.52	.262
52	.62	300.52	.828	260.52	3.369	300.52	2.18	340.52	.43	360.52	.289	460.52	.259
52	.621	301.52	.872	261.52	3.33	301.52	2.077	341.52	.419	361.52	.288	461.52	.257
52	.618	302.52	.939	262.52	3.363	302.52	1.98	342.52	.406	362.52	.287	462.52	.259
52	.604	303.52	1.318	263.52	3.283	303.52	1.876	343.52	.395	363.52	.287	463.52	.261
52	.604	304.52	1.12	264.52	3.252	304.52	1.788	344.52	.384	364.52	.286	464.52	.26
52	.604	305.52	1.247	265.52	3.221	305.52	1.715	345.52	.374	365.52	.286	465.52	.259
52	.609	306.52	1.364	266.52	3.189	306.52	1.636	346.52	.364	366.52	.285	466.52	.258
52	.604	307.52	1.449	267.52	3.143	307.52	1.556	347.52	.358	367.52	.283	467.52	.253
52	.601	308.52	1.565	268.52	3.115	308.52	1.463	348.52	.351	368.52	.283	468.52	.254
52	.606	309.52	1.701	269.52	3.087	309.52	1.405	349.52	.345	369.52	.285	469.52	.251
52	.615	310.52	1.832	270.52	3.056	310.52	1.341	350.52	.338	370.52	.284	470.52	.252
52	.621	311.52	1.978	271.52	3.018	311.52	1.289	351.52	.332	371.52	.28	471.52	.256
52	.626	312.52	2.107	272.52	2.977	312.52	1.233	352.52	.328	372.52	.279	472.52	.253
52	.643	313.52	2.225	273.52	2.932	313.52	1.179	353.52	.324	373.52	.28	473.52	.247
52	.644	314.52	2.385	274.52	2.899	314.52	1.128	354.52	.32	374.52	.282	474.52	.249
52	.658	315.52	2.545	275.52	2.876	315.52	1.076	355.52	.317	375.52	.28	475.52	.25
52	.664	316.52	2.789	276.52	2.85	316.52	1.031	356.52	.314	376.52	.279	476.52	.247
52	.672	317.52	2.879	277.52	2.827	317.52	.997	357.52	.311	377.52	.276	477.52	.247
52	.675	318.52	3.038	278.52	2.814	318.52	.969	358.52	.308	378.52	.276	478.52	.246
52	.675	319.52	3.151	279.52	2.803	319.52	.922	359.52	.307	379.52	.279	479.52	.246
52	.677	320.52	3.279	280.52	2.805	320.52	.888	360.52	.305	380.52	.279	480.52	.243
52	.679	321.52	3.356	281.52	2.807	321.52	.851	361.52	.304	381.52	.277	481.52	.237
52	.674	322.52	3.422	282.52	2.821	322.52	.821	362.52	.301	382.52	.276	482.52	.244
52	.674	323.52	3.478	283.52	2.818	323.52	.796	363.52	.3	383.52	.275	483.52	.243
52	.673	324.52	3.589	284.52	2.819	324.52	.769	364.52	.299	384.52	.272	484.52	.241
52	.676	325.52	3.525	285.52	2.835	325.52	.741	365.52	.298	385.52	.272	485.52	.242
												486.52	.239
												487.52	.241
												488.52	.24
												489.52	.238

27.78	.546	238.75	.558	248.75	3.279	238.75	1.385	328.75	.487	368.75	.658	422.74	.254
28.5	.544	239.74	.561	249.74	3.279	239.74	1.382	329.74	.493	369.74	.658	423.74	.254
29.75	.544	240.75	.553	250.75	3.274	240.74	1.322	330.75	.489	370.75	.656	424.74	.255
31.74	.538	241.74	.563	251.74	3.268	241.74	1.379	321.74	.479	371.74	.659	421.74	.254
32.74	.539	242.75	.577	252.75	3.269	242.74	1.446	332.75	.469	372.75	.657	422.75	.252
33.74	.535	243.74	.598	253.74	3.26	243.74	1.416	333.74	.46	373.74	.657	423.74	.253
34.75	.535	244.75	.614	254.75	3.253	244.75	1.388	334.75	.453	374.74	.657	424.75	.255
35.74	.533	245.74	.628	255.74	3.228	245.74	1.347	335.74	.445	375.74	.657	425.74	.254
36.75	.531	246.75	.64	256.75	3.223	246.74	1.314	336.75	.439	376.75	.657	426.74	.255
37.74	.528	247.74	.655	257.74	3.201	247.74	.977	337.74	.432	377.74	.657	427.74	.253
38.75	.525	248.75	.672	258.75	3.177	248.75	.948	338.74	.426	378.75	.657	428.75	.252
39.74	.525	249.74	.731	259.74	3.147	249.74	.922	339.74	.418	379.74	.658	429.74	.252
40.75	.528	248.75	.737	260.75	3.12	248.75	.892	340.75	.413	380.75	.658	428.75	.249
41.74	.526	241.74	.779	261.74	3.079	241.74	.865	341.74	.409	381.74	.657	421.74	.247
42.75	.525	222.75	.848	262.75	3.045	242.74	.838	342.75	.404	382.75	.657	422.74	.251
43.74	.523	223.74	.945	263.74	3.006	243.74	.809	343.74	.429	383.74	.658	423.74	.252
44.75	.527	224.75	1.052	264.75	2.954	244.75	.786	344.74	.424	384.75	.657	424.75	.253
45.74	.523	225.74	1.169	265.74	2.901	245.74	.767	345.74	.429	385.74	.658	425.74	.252
46.75	.523	226.75	1.281	266.75	2.84	246.75	.745	346.75	.427	386.75	.657	426.74	.25
47.74	.523	227.74	1.386	267.74	2.76	247.74	.723	347.74	.424	387.74	.657	427.74	.249
48.74	.523	228.75	1.511	268.75	2.692	248.74	.702	348.75	.423	388.75	.657	428.74	.25
49.74	.525	229.74	1.63	269.74	2.629	249.74	.681	349.74	.423	389.74	.659	429.74	.245
50.75	.533	230.75	1.762	270.75	2.545	249.75	.663	350.74	.425	390.74	.658	430.75	.249
51.74	.54	231.74	1.92	271.74	2.46	241.74	.648	351.74	.423	391.74	.656	421.74	.254
52.75	.546	232.75	2.048	272.74	2.373	242.75	.63	352.75	.427	392.74	.655	432.75	.254
53.74	.558	233.74	2.159	273.74	2.276	243.74	.614	353.74	.429	393.74	.657	433.74	.246
54.75	.566	234.75	2.31	274.75	2.198	244.75	.597	354.75	.428	394.75	.658	434.74	.25
55.74	.571	235.74	2.479	275.74	2.128	245.74	.578	355.74	.427	395.74	.658	435.74	.251
56.75	.57	236.75	2.648	276.75	2.041	246.75	.563	356.75	.425	396.75	.655	436.75	.249
57.74	.568	237.74	2.801	277.74	1.964	247.74	.551	357.74	.424	397.74	.658	437.74	.25
58.75	.575	238.75	2.925	278.75	1.888	248.75	.536	358.75	.423	398.75	.655	438.75	.249
59.74	.577	239.74	3.024	279.74	1.806	249.74	.521	359.74	.422	399.74	.658	439.74	.25
60.75	.579	240.75	3.124	280.75	1.742	249.74	.506	360.75	.421	400.75	.657	440.75	.246
61.74	.574	241.74	3.191	281.74	1.688	241.74	.49	361.74	.421	401.74	.656	441.74	.243
62.75	.565	242.75	3.229	282.75	1.622	242.75	.478	362.75	.42	402.75	.656	442.74	.249
63.74	.567	243.74	3.249	283.74	1.563	243.74	.467	363.74	.429	403.74	.656	443.74	.249
64.75	.561	244.75	3.267	284.75	1.505	244.74	.454	364.75	.428	404.75	.654	444.74	.248
65.74	.564	245.74	3.274	285.74	1.441	245.74	.442	365.74	.428	405.74	.655	445.74	.249
66.75	.554	246.75	3.23	286.75	1.389	246.74	.43	366.75	.429	406.75	.657	446.75	.246
67.74	.561	247.75	3.282	287.74	1.348	247.74	.418	367.74	.428	407.74	.656	447.74	.248
												448.75	.247
												449.74	.246



65.19	.7	186.2	1.391	146.2	1.552	266.2	1.613	326.2	1.66	366.2	1.714	426.2	1.761
67.62	.69	207.2	1.366	147.2	1.536	237.2	1.59	307.2	1.738	367.2	1.77	427.2	1.762
68.19	.69	208.2	1.391	148.2	1.543	238.2	1.571	328.2	1.771	368.2	1.787	428.2	1.759
69.19	.691	209.2	1.394	149.2	1.534	239.2	1.538	329.2	1.751	369.2	1.783	429.2	1.758
70.19	.679	210.2	1.392	150.21	1.537	240.2	1.504	330.2	1.731	370.2	1.77	430.2	1.758
71.19	.675	211.2	1.392	151.2	1.518	291.2	1.453	331.2	1.708	371.2	1.756	431.2	1.759
72.19	.673	212.2	1.398	152.2	1.526	292.2	1.392	332.2	1.69	372.2	1.74	432.2	1.755
73.19	.67	213.2	1.327	153.2	1.513	293.2	1.338	333.2	1.68	373.2	1.721	433.2	1.756
74.19	.665	214.2	1.342	154.2	1.491	294.2	1.283	334.2	1.647	374.2	1.69	434.2	1.758
75.19	.66	215.2	1.33	155.2	1.482	295.2	1.219	335.2	1.63	375.2	1.685	435.2	1.759
76.19	.662	216.2	1.369	156.2	1.48	296.2	1.155	336.2	1.616	376.2	1.663	436.2	1.758
77.19	.65	217.2	1.37	157.2	1.455	297.2	1.085	337.2	1.598	377.2	1.631	437.2	1.757
78.19	.648	218.2	1.381	158.2	1.439	298.2	1.019	338.2	1.583	378.2	1.619	438.2	1.757
79.19	.651	219.2	1.322	159.2	1.415	299.2	1.964	339.2	1.566	379.2	1.676	439.2	1.756
80.19	.647	220.2	1.355	160.2	1.389	300.2	1.909	340.2	1.551	380.2	1.676	440.2	1.754
81.19	.643	221.2	1.397	161.2	1.359	301.21	1.846	341.2	1.538	381.2	1.674	441.2	1.753
82.19	.638	222.2	1.349	162.2	1.332	302.2	1.789	342.2	1.525	382.2	1.673	442.2	1.755
83.19	.64	223.2	1.329	163.2	1.304	303.2	1.726	343.2	1.511	383.2	1.671	443.2	1.757
84.19	.628	224.2	1.131	164.2	1.274	304.2	1.668	344.2	1.499	384.2	1.67	444.2	1.757
85.19	.636	225.2	1.251	165.2	1.241	305.2	1.62	345.2	1.485	385.21	1.669	445.2	1.756
86.19	.628	226.2	1.369	166.2	1.21	306.2	1.574	346.2	1.471	386.2	1.669	446.2	1.756
87.19	.629	227.2	1.471	167.2	1.183	307.2	1.522	347.2	1.461	387.2	1.666	447.2	1.753
88.19	.626	228.2	1.569	168.2	1.142	308.2	1.474	348.2	1.451	388.2	1.665	448.2	1.753
89.19	.625	229.2	1.788	169.2	1.107	309.2	1.423	349.2	1.44	389.2	1.668	449.2	1.752
90.19	.622	230.2	1.833	170.2	1.075	310.2	1.374	350.2	1.429	390.2	1.667	450.2	1.752
91.19	.639	231.2	1.97	171.2	1.036	311.2	1.335	351.2	1.418	391.2	1.666	451.2	1.756
92.19	.643	232.21	2.116	172.2	1.995	312.2	1.297	352.2	1.407	392.2	1.662	452.2	1.751
93.19	.656	233.21	2.251	173.2	1.949	313.2	1.254	353.21	1.399	393.2	1.664	453.2	1.751
94.2	.651	234.2	2.372	174.2	1.908	314.2	1.214	354.2	1.391	394.2	1.665	454.2	1.75
95.2	.668	235.2	2.535	175.2	1.881	315.2	1.171	355.2	1.381	395.2	1.665	455.2	1.755
96.2	.678	236.2	2.695	176.2	1.853	316.2	1.131	356.2	1.374	396.2	1.665	456.2	1.752
97.2	.682	237.2	2.876	177.2	1.819	317.21	1.098	357.2	1.365	397.2	1.661	457.2	1.751
98.2	.687	238.2	3.033	178.2	1.794	318.2	1.067	358.2	1.358	398.2	1.66	458.2	1.751
99.2	.69	239.2	3.162	179.2	1.767	319.2	1.031	359.2	1.351	399.2	1.662	459.2	1.75
200.2	.691	240.2	3.268	180.2	1.747	320.2	1.999	360.2	1.346	400.2	1.664	460.2	1.752
201.2	.693	241.2	3.373	181.21	1.734	321.2	1.964	361.2	1.34	401.21	1.661	461.2	1.744
202.2	.696	242.2	3.441	182.2	1.72	322.2	1.931	362.2	1.334	402.2	1.661	462.2	1.75
203.2	.696	243.2	3.5	183.2	1.694	323.2	1.905	363.2	1.328	403.2	1.662	463.2	1.752
204.2	.691	244.2	3.523	184.2	1.668	324.2	1.88	364.2	1.323	404.2	1.659	464.2	1.75
205.2	.691	245.2	3.545	185.2	1.635	325.2	1.851	365.2	1.319	405.2	1.658	465.2	1.751
												446.2	1.75
												447.2	1.75
												448.2	1.751
												449.2	1.748

15.44	1644	286.44	1639	246.44	1743	236.44	1631	326.44	1632	316.44	1627	446.44	1695
17.81	1633	287.44	164	247.44	1715	267.44	1636	327.44	1637	367.44	1625	407.44	1695
18.44	1633	288.44	164	248.44	1697	268.44	1655	328.44	1674	368.44	1623	408.44	1692
19.44	1633	289.44	164	249.44	1657	269.44	16525	329.44	1664	369.44	1621	409.44	1691
20.44	1628	210.44	1641	250.45	1633	270.44	16486	330.44	1653	370.44	162	410.44	1691
21.44	1629	211.45	1644	251.44	1687	291.44	16448	331.44	1641	371.44	1618	411.44	1691
22.44	1623	212.44	166	252.44	1683	292.44	16415	332.44	1651	372.44	1616	412.44	1689
23.44	162	213.44	1667	253.44	1653	293.44	16383	333.44	1619	373.44	1614	413.44	1689
24.44	1616	214.44	1694	254.44	16527	294.44	16349	334.44	1668	374.44	1613	414.44	1691
25.44	1616	215.44	1786	255.44	16501	295.44	16313	335.44	1689	375.44	1611	415.44	167
26.44	1615	216.44	1713	256.44	16478	296.44	16278	336.44	169	376.44	161	416.44	169
27.44	1614	217.44	1734	257.44	16459	297.44	16239	337.44	1681	377.44	1609	417.44	1688
28.44	1685	218.44	1747	258.44	16441	298.44	16206	338.44	1672	378.44	1608	418.44	1687
29.44	1688	219.44	1776	259.44	16417	299.44	16178	339.44	1663	379.44	1608	419.44	1687
30.44	1683	220.44	1888	260.44	164	300.44	16147	340.44	1654	380.44	1608	420.44	1685
31.44	1681	221.44	1849	261.44	16381	301.44	16115	341.44	1647	381.44	1607	421.44	1683
32.44	1598	222.44	1913	262.44	16362	302.44	16084	342.44	1639	382.44	1605	422.44	1685
33.44	1602	223.44	1998	263.44	16346	303.44	16052	343.44	1631	383.44	1605	423.44	1687
34.44	1598	224.44	1892	264.44	1633	304.44	16024	344.44	1624	384.44	1604	424.44	1687
35.44	1594	225.44	1614	265.44	16311	305.44	16001	345.44	1616	385.44	1602	425.44	1688
36.44	16	226.44	1637	266.44	16293	306.44	16976	346.44	1609	386.44	1601	426.44	1686
37.44	1592	227.44	1633	267.44	16268	307.44	16949	347.44	1603	387.44	16	427.44	1682
38.44	1536	228.44	1654	268.44	16246	308.44	16924	348.44	1697	388.44	16	428.44	1684
38.44	1595	229.44	1671	269.44	16227	309.44	16898	349.44	1691	389.44	1601	429.44	168
39.44	1604	230.44	1687	270.44	16203	310.44	16875	350.44	1685	390.44	16	430.44	168
39.44	1606	231.44	1645	271.44	16179	311.44	16856	351.44	16	391.44	1698	431.44	1687
39.44	1613	232.44	1675	272.44	16145	312.44	16836	352.44	1674	392.44	1696	432.44	1686
39.44	1623	233.44	1619	273.44	16137	313.44	16815	353.44	167	393.44	1693	433.45	1679
39.44	1628	234.44	16324	274.44	16076	314.44	16795	354.44	1666	394.44	1698	434.44	168
39.44	1641	235.44	16468	275.44	16244	315.44	16773	355.44	1661	395.44	1698	435.44	1683
39.44	164	236.44	16587	276.44	16013	316.44	16754	356.44	1657	396.44	1698	436.44	1679
39.44	1642	237.44	16696	277.44	16074	317.44	16739	357.44	1653	397.44	1694	437.44	1682
39.44	1649	238.44	16766	278.44	16038	318.44	16722	358.44	1649	398.44	1695	438.44	168
39.44	1652	239.44	16813	279.44	16098	319.44	16705	359.44	1646	399.44	1697	439.44	168
39.44	1649	240.44	1694	280.44	16062	320.44	16689	360.44	1643	400.44	1699	440.44	1679
39.44	1647	241.44	16837	281.44	16027	321.44	16672	361.44	164	401.44	1695	441.44	1673
39.44	1641	242.44	16829	282.44	16095	322.44	16656	362.44	1637	402.44	1695	442.44	1679
39.44	1641	243.44	16813	283.44	16056	323.44	16643	363.44	1634	403.44	1693	443.44	1679
39.44	1642	244.44	16787	284.44	16016	324.44	1663	364.44	163	404.44	1693	444.44	1678
39.44	1641	245.44	16767	285.44	16071	325.44	16615	365.44	1629	405.44	1692	445.44	1678
												446.44	1676
												447.44	1677
												448.44	1676
												449.44	1675

65.82	.26	286.82	.245	246.82	.589	286.82	.172	326.81	.218	326.82	.221	426.82	.236
68.19	.251	287.81	.244	247.81	.435	287.81	.171	327.81	.218	327.82	.222	427.81	.235
70.82	.251	288.82	.247	248.82	.463	288.82	.167	328.82	.222	328.82	.222	428.82	.233
73.81	.252	289.81	.242	249.81	.443	289.81	.172	329.82	.222	329.81	.223	429.81	.235
76.82	.247	290.82	.254	250.82	.425	290.81	.176	330.82	.221	330.82	.223	430.82	.236
79.81	.248	291.81	.264	251.81	.411	291.81	.181	331.81	.221	331.82	.223	431.81	.234
82.82	.244	292.82	.275	252.82	.391	292.81	.177	332.81	.221	332.82	.223	432.82	.234
85.81	.24	293.81	.283	253.81	.373	293.81	.185	333.82	.221	333.81	.223	433.82	.235
88.82	.241	294.82	.289	254.81	.354	294.82	.188	334.82	.221	334.82	.224	434.82	.236
91.81	.241	295.81	.297	255.81	.334	295.82	.189	335.82	.222	335.81	.224	435.81	.236
94.82	.243	296.82	.307	256.82	.317	296.82	.19	336.82	.223	336.82	.225	436.82	.235
97.81	.24	297.81	.309	257.81	.302	297.81	.191	337.81	.223	337.81	.225	437.82	.235
100.82	.244	298.82	.322	258.82	.285	298.82	.193	338.82	.223	338.82	.225	438.82	.234
103.81	.249	299.81	.404	259.81	.27	299.81	.193	339.81	.223	339.82	.227	439.82	.234
106.82	.248	300.82	.435	260.82	.255	300.82	.194	340.82	.224	340.82	.228	440.82	.232
109.81	.252	301.81	.48	261.81	.241	301.82	.195	341.81	.223	341.81	.227	441.81	.231
112.82	.246	302.81	.554	262.82	.231	302.82	.196	342.82	.223	302.82	.227	442.81	.235
115.81	.248	303.81	.644	263.81	.225	303.82	.197	343.81	.223	363.81	.229	443.81	.237
118.82	.248	304.81	.753	264.82	.216	304.82	.197	344.81	.224	304.82	.228	444.82	.237
121.81	.247	305.81	.866	265.81	.208	305.81	.198	345.82	.223	305.82	.228	445.81	.237
124.82	.252	306.82	.972	266.82	.202	306.82	.2	346.82	.223	306.82	.229	446.82	.235
127.81	.252	307.81	1.073	267.81	.199	307.81	.201	347.82	.223	307.81	.228	447.81	.234
130.81	.247	308.82	1.192	268.82	.194	308.82	.202	348.82	.223	308.82	.23	448.81	.236
133.81	.248	309.81	1.303	269.82	.189	309.81	.203	349.82	.223	309.81	.231	449.81	.232
136.82	.255	310.82	1.421	270.82	.186	310.82	.205	350.82	.223	310.82	.23	450.82	.237
139.81	.247	311.81	1.554	271.81	.183	311.81	.206	351.81	.222	311.81	.229	451.81	.241
142.82	.252	312.82	1.649	272.82	.183	312.82	.207	352.82	.222	312.81	.229	452.82	.238
145.81	.252	313.81	1.712	273.81	.179	313.81	.208	353.82	.222	313.81	.232	453.81	.233
148.82	.269	314.82	1.74	274.82	.177	314.82	.208	354.82	.222	314.82	.232	454.82	.236
151.81	.254	315.81	1.877	275.81	.177	315.82	.21	355.81	.221	315.81	.232	455.81	.239
154.82	.25	316.82	1.918	276.82	.175	316.82	.211	356.82	.221	316.82	.232	456.82	.236
157.81	.251	317.81	2.099	277.81	.174	317.82	.212	357.81	.221	317.81	.23	457.82	.237
160.82	.247	318.82	2.123	278.82	.173	318.82	.213	358.82	.221	318.82	.231	458.82	.236
163.82	.246	319.81	.996	279.81	.172	319.81	.213	359.81	.22	319.81	.235	459.81	.237
166.82	.244	320.81	.864	280.82	.171	320.82	.214	360.82	.221	320.82	.236	460.81	.233
169.81	.247	321.81	.761	281.82	.172	321.81	.215	361.81	.221	321.81	.234	461.81	.232
172.82	.247	322.81	.677	282.82	.172	322.82	.216	362.82	.22	322.82	.235	462.82	.233
175.81	.246	323.81	.612	283.81	.172	323.81	.217	363.81	.221	323.81	.233	463.81	.236
178.82	.246	324.82	.57	284.82	.171	324.82	.217	364.82	.221	324.82	.233	464.82	.236
181.81	.245	325.81	.54	285.81	.172	325.81	.218	365.82	.221	325.82	.234	465.81	.236
												466.82	.236
												467.81	.237
												468.82	.236
												469.81	.235

165.73	.11	206.73	.105	246.73	.055	286.74	.072	326.73	.117	366.74	.145	406.73	.168
168.11	.11	207.72	.103	247.73	.057	287.72	.073	327.72	.116	367.73	.146	407.73	.168
168.73	.11	208.73	.102	248.73	.058	288.73	.078	328.74	.113	368.74	.147	408.73	.166
169.73	.109	209.73	.098	249.73	.059	289.72	.078	329.73	.113	369.73	.148	409.72	.167
170.74	.108	210.73	.098	250.74	.06	290.73	.079	330.74	.118	370.74	.148	410.73	.169
171.73	.109	211.72	.099	251.73	.061	291.72	.083	331.73	.12	371.73	.149	411.73	.169
172.73	.109	212.74	.095	252.74	.062	292.73	.087	332.73	.119	372.74	.149	412.74	.167
173.73	.114	213.73	.089	253.73	.064	293.73	.088	333.73	.12	373.73	.15	413.73	.167
174.73	.108	214.74	.084	254.74	.065	294.74	.089	334.74	.121	374.74	.151	414.73	.171
175.72	.113	215.73	.082	255.73	.065	295.73	.091	335.73	.122	375.73	.152	415.72	.17
176.73	.109	216.74	.083	256.73	.066	296.73	.093	336.74	.123	376.73	.153	416.73	.169
177.73	.11	217.73	.076	257.73	.067	297.73	.094	337.72	.125	377.73	.153	417.73	.169
178.74	.109	218.73	.071	258.73	.067	298.74	.094	338.73	.125	378.73	.154	418.74	.168
179.73	.109	219.73	.068	259.72	.067	299.73	.094	339.73	.127	379.73	.155	419.73	.168
180.73	.107	220.73	.062	260.73	.067	300.74	.096	340.74	.127	380.73	.157	420.74	.165
181.73	.108	221.72	.052	261.72	.069	301.73	.096	341.73	.129	381.73	.155	421.73	.164
182.73	.106	222.73	.042	262.74	.068	302.73	.098	342.74	.13	382.73	.156	422.73	.169
183.73	.109	223.72	.038	263.73	.068	303.73	.099	343.73	.13	383.73	.156	423.73	.171
184.74	.106	224.73	.03	264.74	.068	304.74	.1	344.73	.131	384.74	.157	424.74	.172
185.73	.112	225.73	.017	265.73	.07	305.72	.101	345.73	.132	385.73	.157	425.73	.172
186.74	.107	226.74	.017	266.73	.071	306.73	.103	346.74	.132	386.73	.157	426.73	.171
187.72	.109	227.73	.019	267.73	.07	307.72	.103	347.73	.132	387.73	.157	427.72	.17
188.73	.105	228.74	.017	268.74	.071	308.73	.104	348.74	.133	388.73	.159	428.73	.172
189.72	.107	229.73	3E-03	269.73	.073	309.73	.105	349.73	.133	389.72	.161	429.72	.168
190.73	.11	230.74	.01	270.74	.073	310.74	.106	350.73	.134	390.73	.16	430.74	.173
191.72	.103	231.73	.02	271.73	.073	311.73	.106	351.73	.135	391.73	.159	431.73	.173
192.73	.105	232.74	.016	272.73	.074	312.74	.106	352.74	.135	392.73	.16	432.74	.176
193.73	.104	233.73	.011	273.72	.075	313.73	.107	353.73	.136	393.72	.163	433.73	.169
194.73	.1	234.73	.014	274.74	.075	314.73	.108	354.74	.137	394.74	.164	434.74	.174
195.72	.105	235.73	.025	275.73	.073	315.73	.108	355.73	.139	395.73	.163	435.73	.174
196.74	.104	236.73	.025	276.73	.073	316.74	.109	356.73	.139	396.73	.163	436.74	.173
197.73	.106	237.72	.023	277.73	.073	317.73	.109	357.72	.141	397.73	.16	437.73	.174
198.74	.106	238.74	.031	278.73	.073	318.74	.111	358.74	.142	398.73	.162	438.74	.172
199.73	.105	239.72	.039	279.73	.072	319.73	.111	359.73	.143	399.73	.165	439.73	.172
200.73	.105	240.73	.043	280.74	.073	320.73	.111	360.73	.143	400.74	.166	440.73	.17
201.72	.106	241.73	.044	281.73	.074	321.73	.113	361.73	.144	401.73	.164	441.72	.169
202.74	.101	242.73	.048	282.74	.075	322.74	.114	362.74	.144	402.74	.164	442.74	.175
203.73	.102	243.73	.052	283.73	.075	323.72	.115	363.73	.145	403.73	.164	443.73	.174
204.73	.105	244.74	.053	284.74	.076	324.73	.115	364.74	.144	404.73	.164	444.73	.175
205.72	.105	245.73	.054	285.73	.076	325.72	.116	365.73	.145	405.73	.165	445.73	.176
												446.73	.174
												447.73	.175
												448.73	.174
												449.73	.174

151.25	.639	194.25	2.527	236.25	3.04	278.25	3.71	320.25	4.24	362.25	4.76	404.25	5.29
153.36	.637	195.25	2.514	237.25	3.026	279.25	3.693	321.25	4.22	363.25	4.74	405.25	5.27
154.25	.637	196.25	2.698	238.25	3.017	280.25	3.76	322.25	4.31	364.25	4.83	406.25	5.36
155.25	.636	197.25	2.761	239.25	3.021	281.25	3.702	323.25	4.22	365.25	4.74	407.25	5.27
156.24	.631	198.25	2.806	240.25	3.029	282.25	3.644	324.25	4.22	366.25	4.74	408.25	5.27
157.25	.633	199.25	2.857	241.25	3.038	283.25	3.578	325.25	4.22	367.25	4.74	409.25	5.27
158.25	.631	200.25	2.898	242.25	3.051	284.25	3.518	326.25	4.22	368.25	4.74	410.25	5.25
159.25	.625	201.25	2.929	243.25	3.067	285.25	3.452	327.25	4.23	369.25	4.74	411.25	5.26
160.25	.623	202.25	2.966	244.25	3.083	286.25	3.394	328.25	4.22	370.25	4.74	412.25	5.23
161.25	.621	203.25	3.093	245.25	3.103	287.25	3.344	329.25	4.25	371.25	4.74	413.25	5.24
162.25	.621	204.25	3.015	246.25	3.12	288.25	3.295	330.25	4.27	372.25	4.74	414.25	5.26
163.25	.617	205.25	3.048	247.25	3.138	289.25	3.239	331.25	4.27	373.25	4.74	415.25	5.27
164.25	.609	206.25	3.074	248.25	3.151	290.25	3.187	332.25	4.27	374.25	4.74	416.25	5.27
165.25	.616	207.25	3.096	249.25	3.163	291.25	3.13	333.25	4.24	375.25	4.74	417.25	5.27
166.25	.612	208.25	3.128	250.25	3.18	292.25	3.077	334.25	4.27	376.25	4.74	418.25	5.27
167.25	.616	209.25	3.139	251.26	3.189	293.25	3.033	335.25	4.27	377.25	4.74	419.25	5.27
168.25	.618	210.25	3.151	252.25	3.196	294.25	2.989	336.25	4.24	378.25	4.74	420.25	5.23
169.25	.623	211.25	3.167	253.25	3.196	295.25	2.94	337.25	4.24	379.25	4.72	421.26	5.21
170.25	.623	212.25	3.189	254.25	3.198	296.25	2.895	338.24	4.27	380.25	4.73	422.25	5.21
171.25	.63	213.25	3.204	255.25	3.192	297.25	2.847	339.25	4.22	381.25	4.74	423.25	5.25
172.25	.629	214.25	3.224	256.25	3.185	298.25	2.802	340.25	4.28	382.25	4.75	424.25	5.24
173.25	.641	215.25	3.23	257.25	3.175	299.25	2.766	341.25	4.25	383.25	4.72	425.25	5.26
174.25	.64	216.25	3.239	258.25	3.156	300.25	2.731	342.25	4.23	384.25	4.78	426.25	5.27
175.25	.647	217.25	3.252	259.25	3.136	301.25	2.692	343.25	4.21	385.25	4.78	427.25	5.24
176.25	.653	218.25	3.256	260.25	3.111	302.25	2.657	344.25	4.19	386.25	4.79	428.25	5.24
177.25	.657	219.25	3.273	261.25	3.073	303.25	2.62	345.25	4.18	387.25	4.81	429.25	5.23
178.25	.665	220.25	3.279	262.25	3.032	304.25	2.587	346.25	4.16	388.25	4.82	430.25	5.2
179.25	.668	221.25	3.281	263.25	2.993	305.25	2.551	347.25	4.16	389.25	4.85	431.25	5.27
180.25	.671	222.25	3.292	264.25	2.945	306.25	2.536	348.25	4.13	390.25	4.86	432.25	5.21
181.25	.677	223.25	3.301	265.25	2.888	307.25	2.508	349.25	4.14	391.25	4.86	433.25	5.25
182.25	.685	224.25	3.3	266.25	2.828	308.25	2.484	350.25	4.13	392.25	4.86	434.25	5.24
183.25	.697	225.25	3.291	267.25	2.751	309.25	2.458	351.25	4.13	393.25	4.89	435.25	5.2
184.25	.712	226.25	3.279	268.25	2.677	310.25	2.436	352.25	4.12	394.25	4.91	436.25	5.27
185.25	.752	227.25	3.257	269.25	2.607	311.25	2.418	353.25	4.12	395.25	4.93	437.25	5.28
186.25	.854	228.25	3.251	270.25	2.539	312.25	2.4	354.25	4.12	396.25	4.92	438.25	5.29
187.25	1.11	229.25	3.222	271.25	2.454	313.25	2.381	355.25	4.13	397.25	4.93	439.25	5.29
188.25	1.434	230.25	3.191	272.25	2.374	314.25	2.366	356.25	4.12	398.25	4.92	440.25	5.28
189.25	1.765	231.25	3.154	273.25	2.284	315.25	2.348	357.25	4.12	399.25	4.96	441.25	5.23
190.25	1.899	232.25	3.122	274.25	2.203	316.25	2.332	358.25	4.13	400.25	4.98	442.25	5.25
191.25	2.151	233.25	3.093	275.25	2.132	317.25	2.321	359.25	4.13	401.25	4.98	443.25	5.28
192.25	2.284	234.25	3.077	276.25	2.063	318.25	2.309	360.25	4.12	402.25	4.99	444.25	5.24
193.25	2.413	235.25	3.049	277.25	1.982	319.25	2.297	361.25	4.13	403.25	5.0	445.25	5.27
												446.25	5.25
												447.25	5.27
												448.25	5.27
												449.25	5.25

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150.28	.596	193.28	2.36	235.28	1.948	277.28	1.373	319.28	.226	361.28	.102	403.28	.114
152.65	.59	194.27	2.477	236.27	1.92	278.27	1.325	320.27	.219	362.27	.102	404.27	.141
153.28	.59	195.27	2.566	237.28	1.898	279.27	1.271	321.28	.21	363.28	.102	405.28	.141
154.27	.587	196.27	2.651	238.27	1.881	280.27	1.224	322.27	.203	364.27	.103	406.27	.145
155.28	.581	197.28	2.707	239.28	1.873	281.28	1.184	323.28	.196	365.28	.103	407.28	.147
156.27	.584	198.27	2.75	240.27	1.867	282.27	1.144	324.27	.189	366.28	.103	408.27	.145
157.28	.584	199.28	2.799	241.27	1.867	283.28	1.099	325.28	.183	367.28	.103	409.28	.145
158.27	.578	200.27	2.841	242.27	1.869	284.27	1.058	326.27	.178	368.27	.104	410.27	.147
159.28	.578	201.28	2.876	243.28	1.877	285.28	1.014	327.27	.17	369.28	.105	411.28	.148
160.28	.578	202.27	2.909	244.27	1.888	286.27	.974	328.27	.164	370.27	.106	412.27	.146
161.28	.578	203.28	2.934	245.28	1.899	287.28	.94	329.29	.16	371.28	.105	413.28	.146
162.27	.574	204.27	2.961	246.27	1.913	288.27	.907	330.27	.155	372.27	.105	414.27	.149
163.28	.567	205.28	2.988	247.27	1.932	289.28	.87	331.28	.149	373.28	.106	415.28	.149
164.27	.569	206.27	3.013	248.27	1.951	290.27	.836	332.27	.144	374.27	.106	416.27	.149
165.28	.573	207.27	3.043	249.28	1.975	291.27	.797	333.27	.139	375.28	.106	417.28	.15
166.28	.574	208.27	3.065	250.28	1.997	292.27	.764	334.27	.135	376.27	.107	418.27	.15
167.28	.574	209.28	3.094	251.28	2.015	293.28	.736	335.29	.13	377.28	.107	419.29	.148
168.27	.581	210.27	3.1	252.27	2.034	294.27	.708	336.28	.127	378.27	.108	420.28	.148
169.28	.585	211.28	3.114	253.28	2.053	295.28	.674	337.28	.123	379.28	.109	421.28	.145
170.27	.585	212.27	3.124	254.27	2.069	296.27	.645	338.27	.12	380.27	.102	422.27	.145
171.28	.595	213.28	3.139	255.28	2.083	297.28	.613	339.28	.116	381.28	.102	423.28	.148
172.27	.594	214.27	3.146	256.27	2.092	298.27	.583	340.27	.114	382.27	.104	424.27	.15
173.28	.599	215.28	3.149	257.28	2.095	299.28	.559	341.28	.111	383.28	.105	425.28	.151
174.27	.604	216.28	3.146	258.27	2.095	300.27	.536	342.27	.11	384.27	.107	426.27	.154
175.28	.606	217.28	3.131	259.27	2.089	301.28	.509	343.28	.107	385.28	.107	427.28	.149
176.27	.615	218.27	3.115	260.27	2.08	302.27	.486	344.27	.106	386.28	.108	428.27	.15
177.28	.618	219.28	3.077	261.27	2.06	303.28	.459	345.28	.105	387.28	.102	429.28	.147
178.27	.625	220.27	3.02	262.27	2.038	304.27	.436	346.27	.103	388.28	.102	430.27	.145
179.28	.626	221.28	2.955	263.28	2.012	305.28	.418	347.28	.102	389.28	.105	431.28	.153
180.27	.633	222.27	2.887	264.27	1.986	306.27	.4	348.28	.101	390.27	.107	432.27	.156
181.28	.641	223.28	2.794	265.28	1.948	307.28	.38	349.28	.1	391.28	.108	433.28	.152
182.27	.644	224.27	2.701	266.27	1.91	308.27	.362	350.27	.1	392.27	.107	434.27	.151
183.28	.651	225.28	2.596	267.28	1.862	309.27	.343	351.28	.099	393.28	.108	435.28	.156
184.27	.671	226.27	2.496	268.27	1.817	310.27	.327	352.28	.1	394.27	.102	436.27	.154
185.28	.712	227.28	2.415	269.28	1.773	311.28	.314	353.28	.099	395.28	.102	437.28	.156
186.27	.909	228.27	2.339	270.27	1.73	312.27	.301	354.27	.101	396.27	.103	438.27	.157
187.28	1.082	229.28	2.255	271.28	1.677	313.28	.288	355.28	.099	397.28	.102	439.28	.156
188.27	1.417	230.27	2.184	272.27	1.626	314.27	.276	356.27	.099	398.27	.102	440.27	.156
189.28	1.716	231.28	2.117	273.27	1.57	315.28	.263	357.28	.099	399.28	.106	441.28	.15
190.27	1.946	232.28	2.061	274.27	1.517	316.27	.252	358.27	.101	400.27	.109	442.27	.153
191.28	2.116	233.28	2.019	275.28	1.471	317.28	.243	359.28	.1	401.28	.109	443.28	.154
192.27	2.249	234.27	1.984	276.27	1.426	318.27	.235	360.27	.102	402.27	.104	444.27	.153
												445.28	.155
												446.27	.154
												447.28	.154
												448.27	.156
												449.28	.154

150.68	.537	193.67	2.36	235.67	2.687	277.57	.959	319.67	.189	361.67	.094	403.67	.12
153.05	.535	194.67	2.462	236.68	2.556	278.68	.921	320.68	.193	362.67	.095	404.68	.131
153.67	.535	195.67	2.553	237.67	2.435	279.67	.978	321.67	.176	363.67	.095	405.67	.132
154.68	.523	196.68	2.618	238.68	2.351	280.68	.846	322.68	.17	364.68	.095	406.68	.136
155.67	.536	197.67	2.667	239.67	2.292	281.67	.818	323.67	.165	365.67	.095	407.67	.136
156.68	.533	198.68	2.715	240.67	2.233	282.68	.784	324.68	.159	366.68	.096	408.68	.135
157.67	.53	199.67	2.761	241.67	2.185	283.67	.753	325.67	.154	367.67	.096	409.67	.135
158.68	.538	200.68	2.801	242.67	2.15	284.68	.722	326.67	.15	368.68	.097	410.67	.138
159.67	.536	201.67	2.835	243.67	2.12	285.67	.689	327.67	.143	369.67	.098	411.67	.137
160.68	.533	202.68	2.861	244.68	2.098	286.68	.662	328.68	.139	370.68	.099	412.68	.136
161.67	.529	203.67	2.89	245.67	2.083	287.67	.639	329.67	.135	371.67	.097	413.67	.137
162.68	.53	204.68	2.916	246.68	2.068	288.68	.613	330.68	.132	372.68	.098	414.68	.14
163.67	.53	205.67	2.949	247.67	2.054	289.67	.587	331.67	.127	373.67	.097	415.67	.14
164.68	.531	206.68	2.967	248.67	2.04	290.67	.563	332.68	.124	374.68	.099	416.67	.14
165.67	.535	207.67	2.997	249.67	2.026	291.67	.536	333.67	.119	375.67	.098	417.67	.14
166.68	.538	208.68	3.021	250.68	2.014	292.67	.515	334.68	.117	376.68	.1	418.68	.139
167.67	.537	209.67	3.041	251.67	2	293.67	.497	335.67	.114	377.67	.099	419.67	.138
168.68	.543	210.68	3.05	252.68	1.983	294.68	.476	336.68	.112	378.68	.1	420.68	.137
169.67	.544	211.67	3.073	253.67	1.964	295.67	.456	337.67	.108	379.67	.103	421.67	.133
170.68	.549	212.68	3.084	254.68	1.942	296.68	.438	338.67	.107	380.68	.104	422.67	.136
171.67	.557	213.67	3.102	255.67	1.913	297.67	.417	339.67	.104	381.67	.104	423.67	.138
172.68	.561	214.68	3.109	256.68	1.887	298.68	.402	340.68	.103	382.68	.106	424.68	.139
173.67	.564	215.67	3.122	257.67	1.862	299.67	.387	341.67	.101	383.67	.108	425.67	.14
174.68	.569	216.68	3.131	258.68	1.828	300.68	.372	342.68	.1	384.68	.108	426.68	.141
175.67	.574	217.67	3.144	259.67	1.792	301.67	.357	343.67	.099	385.67	.108	427.67	.138
176.68	.58	218.68	3.151	260.67	1.751	302.68	.344	344.68	.098	386.68	.11	428.67	.14
177.67	.579	219.67	3.17	261.67	1.704	303.67	.329	345.67	.097	387.67	.111	429.67	.134
178.68	.587	220.68	3.178	262.68	1.66	304.68	.317	346.68	.097	388.68	.115	430.68	.137
179.67	.591	221.67	3.186	263.67	1.62	305.67	.308	347.67	.095	389.67	.116	431.67	.144
180.68	.591	222.68	3.2	264.68	1.571	306.68	.296	348.68	.095	390.68	.117	432.68	.144
181.67	.596	223.67	3.21	265.67	1.52	307.67	.285	349.67	.095	391.67	.117	433.67	.138
182.68	.601	224.68	3.219	266.67	1.468	308.68	.276	350.67	.094	392.67	.118	434.67	.143
183.67	.617	225.67	3.226	267.67	1.411	309.67	.264	351.67	.093	393.67	.121	435.67	.144
184.68	.643	226.68	3.236	268.68	1.362	310.68	.256	352.68	.094	394.68	.123	436.68	.143
185.67	.69	227.67	3.237	269.67	1.319	311.67	.248	353.67	.094	395.67	.123	437.67	.145
186.68	.866	228.68	3.246	270.68	1.268	312.68	.239	354.68	.094	396.67	.123	438.68	.145
187.67	1.159	229.67	3.243	271.67	1.219	313.67	.232	355.67	.093	397.67	.122	439.67	.145
188.68	1.5	230.68	3.215	272.67	1.17	314.67	.224	356.67	.093	398.68	.123	440.68	.142
189.67	1.781	231.67	3.16	273.67	1.118	315.67	.215	357.67	.093	399.67	.128	441.67	.138
190.68	1.962	232.68	3.066	274.68	1.077	316.68	.209	358.68	.094	400.68	.129	442.68	.143
191.67	2.105	233.67	2.969	275.67	1.041	317.67	.202	359.67	.094	401.67	.129	443.67	.142
192.68	2.248	234.68	2.825	276.67	.999	318.68	.196	360.68	.094	402.68	.131	444.68	.142
												445.67	.142
												446.68	.142
												447.67	.144
												448.68	.142
												449.67	.142

-----34+3 ACI-----

150.88	.41	193.87	2.226	235.88	.707	277.88	.489	319.87	.139	361.87	.11	403.88	.137
153.23	.409	194.88	2.333	236.38	.832	278.88	.457	320.88	.136	362.88	.102	404.88	.136
153.87	.409	195.87	2.413	237.87	.769	279.87	.445	321.87	.131	363.87	.102	405.88	.139
154.88	.409	196.88	2.476	238.88	.726	280.88	.435	322.88	.129	364.88	.103	406.88	.141
155.87	.407	197.88	2.522	239.87	.694	281.87	.426	323.87	.126	365.88	.102	407.87	.142
156.88	.408	198.88	2.576	240.88	.662	282.88	.415	324.88	.124	366.88	.103	408.88	.14
157.87	.4	199.88	2.618	241.87	.638	283.88	.404	325.87	.121	367.88	.103	409.87	.141
158.88	.398	200.88	2.657	242.88	.619	284.88	.394	326.88	.118	368.88	.105	410.88	.143
159.87	.394	201.87	2.692	243.87	.602	285.87	.382	327.87	.116	369.87	.104	411.87	.142
160.88	.392	202.88	2.719	244.88	.592	286.88	.373	328.88	.115	370.88	.106	412.88	.14
161.87	.394	203.87	2.746	245.87	.585	287.87	.364	329.87	.112	371.87	.106	413.87	.142
162.88	.396	204.88	2.77	246.88	.579	288.88	.354	330.88	.111	372.88	.106	414.88	.144
163.87	.393	205.87	2.803	247.88	.574	289.87	.344	331.87	.109	373.87	.106	415.87	.143
164.88	.398	206.88	2.825	248.88	.572	290.88	.334	332.88	.108	374.88	.106	416.88	.143
165.88	.4	207.87	2.845	249.88	.57	291.87	.323	333.88	.106	375.87	.108	417.87	.142
166.88	.407	208.88	2.865	250.88	.57	292.88	.315	334.88	.104	376.88	.109	418.88	.143
167.87	.404	209.87	2.877	251.88	.57	293.87	.306	335.88	.104	377.87	.109	419.88	.141
168.88	.406	210.88	2.891	252.88	.572	294.88	.296	336.88	.104	378.88	.11	420.88	.137
169.87	.413	211.88	2.904	253.87	.573	295.88	.286	337.87	.102	379.87	.112	421.88	.136
170.88	.415	212.88	2.918	254.88	.575	296.88	.278	338.88	.1	380.88	.114	422.88	.138
171.87	.417	213.88	2.932	255.88	.577	297.87	.267	339.87	.1	381.88	.112	423.87	.141
172.88	.425	214.88	2.941	256.88	.58	298.88	.26	340.88	.1	382.88	.115	424.88	.143
173.87	.427	215.88	2.945	257.87	.591	299.88	.253	341.87	.099	383.87	.118	425.87	.143
174.88	.429	216.88	2.952	258.88	.594	300.88	.245	342.88	.099	384.88	.119	426.88	.142
175.87	.433	217.88	2.963	259.87	.586	301.88	.236	343.87	.099	385.88	.118	427.87	.14
176.88	.435	218.88	2.959	260.88	.596	302.88	.228	344.88	.099	386.88	.12	428.88	.141
177.88	.435	219.87	2.961	261.87	.586	303.88	.22	345.87	.098	387.88	.121	429.87	.135
178.88	.44	220.88	2.949	262.88	.595	304.88	.214	346.88	.098	388.88	.124	430.88	.141
179.88	.44	221.87	2.923	263.87	.594	305.87	.208	347.87	.098	389.87	.124	431.87	.148
180.88	.447	222.88	2.879	264.88	.581	306.88	.202	348.88	.099	390.88	.124	432.88	.147
181.87	.451	223.87	2.798	265.87	.577	307.87	.195	349.87	.098	391.87	.125	433.88	.14
182.88	.459	224.88	2.667	266.88	.572	308.88	.19	350.88	.098	392.88	.127	434.88	.145
183.88	.473	225.88	2.483	267.88	.566	309.87	.182	351.88	.098	393.87	.129	435.87	.146
184.88	.496	226.88	2.3	268.88	.56	310.88	.178	352.88	.099	394.88	.131	436.88	.146
185.87	.556	227.87	2.128	269.87	.552	311.87	.174	353.87	.098	395.87	.131	437.87	.146
186.88	.602	228.88	1.909	270.88	.543	312.88	.169	354.88	.099	396.88	.131	438.88	.146
187.87	1.003	229.87	1.707	271.87	.534	313.87	.164	355.88	.099	397.87	.129	439.87	.148
188.88	1.383	230.88	1.519	272.88	.524	314.88	.159	356.88	.1	398.88	.123	440.88	.142
189.87	1.662	231.88	1.34	273.87	.511	315.88	.153	357.87	.099	399.87	.116	441.87	.14
190.88	1.854	232.88	1.208	274.88	.501	316.88	.15	358.88	.1	400.88	.118	442.88	.145
191.87	1.981	233.87	1.106	275.87	.492	317.88	.146	359.87	.1	401.88	.117	443.87	.143
192.88	2.106	234.88	.995	276.88	.481	318.88	.142	360.88	.101	402.88	.117	444.88	.144
												445.87	.143
												446.88	.143
												447.87	.145
												448.88	.144
												449.87	.143



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155.44	.597	198.45	2.758	240.44	1.582	282.44	.904	324.44	.254	366.44	.127	408.44	.116
157.86	.592	199.44	2.308	241.44	1.541	283.44	.281	325.44	.247	367.44	.127	409.44	.115
158.44	.592	200.44	2.656	242.44	1.508	284.44	.958	326.44	.24	368.44	.128	410.44	.1163
159.44	.592	201.44	2.39	243.44	1.475	285.44	.333	327.44	.232	369.44	.128	411.44	.1162
160.44	.595	202.44	2.924	244.44	1.449	286.44	.311	328.44	.226	370.44	.127	412.44	.116
161.44	.593	203.44	2.943	245.44	1.429	287.44	.792	329.44	.22	371.44	.127	413.44	.1161
162.44	.59	204.44	2.978	246.44	1.408	288.44	.772	330.44	.216	372.44	.127	414.44	.1164
163.44	.579	205.44	3.005	247.44	1.388	289.44	.749	331.44	.209	373.44	.127	415.44	.1164
164.45	.586	206.44	3.033	248.44	1.372	290.44	.728	332.44	.204	374.44	.127	416.44	.1164
165.44	.583	207.44	3.056	249.44	1.354	291.44	.704	333.44	.199	375.44	.125	417.44	.1164
166.44	.588	208.44	3.08	250.44	1.34	292.44	.683	334.44	.194	376.44	.127	418.44	.1165
167.44	.597	209.44	3.093	251.44	1.331	293.44	.666	335.44	.189	377.44	.129	419.44	.1163
168.44	.596	210.44	3.107	252.44	1.32	294.44	.647	336.44	.185	378.44	.128	420.44	.1162
169.44	.591	211.44	3.122	253.44	1.309	295.44	.626	337.44	.181	379.44	.129	421.44	.1158
170.44	.595	212.44	3.134	254.44	1.3	296.44	.608	338.44	.177	380.44	.131	422.44	.116
171.44	.599	213.44	3.154	255.44	1.29	297.44	.586	339.44	.172	381.44	.131	423.44	.1162
172.44	.602	214.44	3.161	256.44	1.282	298.44	.568	340.44	.169	382.44	.133	424.44	.1163
173.44	.608	215.44	3.171	257.44	1.275	299.44	.553	341.44	.165	383.44	.134	425.44	.1164
174.44	.611	216.44	3.174	258.44	1.269	300.44	.536	342.44	.163	384.44	.135	426.44	.1166
175.44	.615	217.44	3.184	259.44	1.261	301.44	.519	343.44	.159	385.44	.135	427.44	.1162
176.44	.619	218.44	3.195	260.44	1.254	302.44	.502	344.44	.157	386.44	.137	428.44	.1164
177.44	.622	219.44	3.2	261.44	1.244	303.44	.484	345.44	.152	387.44	.138	429.44	.116
178.44	.625	220.44	3.203	262.44	1.236	304.44	.469	346.44	.151	388.44	.141	430.44	.116
179.44	.629	221.44	3.193	263.44	1.228	305.44	.456	347.44	.148	389.44	.143	431.44	.1167
180.45	.633	222.44	3.186	264.44	1.219	306.44	.443	348.44	.147	390.44	.144	432.44	.1169
181.44	.636	223.44	3.157	265.44	1.207	307.44	.428	349.44	.145	391.44	.143	433.44	.1163
182.44	.645	224.44	3.1	266.44	1.196	308.44	.415	350.44	.143	392.44	.143	434.44	.1165
183.44	.652	225.44	3.018	267.44	1.183	309.44	.4	351.44	.14	393.44	.147	435.44	.1169
184.44	.682	226.44	1.71	268.44	1.169	310.44	.388	352.45	.139	394.44	.149	436.44	.1167
185.44	.715	227.44	2.307	269.44	1.157	311.44	.376	353.44	.138	395.44	.149	437.44	.1168
186.45	.845	228.45	2.68	270.44	1.142	312.44	.365	354.44	.137	396.44	.149	438.44	.117
187.44	1.127	229.44	2.537	271.44	1.125	313.44	.354	355.44	.134	397.44	.149	439.44	.1169
188.44	1.47	230.44	2.395	272.44	1.108	314.44	.343	356.44	.133	398.44	.149	440.44	.1168
189.44	1.762	231.44	2.253	273.44	1.088	315.44	.33	357.44	.132	399.44	.153	441.44	.1162
190.44	1.968	232.44	2.134	274.44	1.069	316.44	.321	358.44	.132	400.44	.155	442.44	.1166
191.44	2.124	233.44	2.042	275.44	1.052	317.44	.312	359.44	.13	401.44	.156	443.44	.1166
192.44	2.262	234.44	1.95	276.44	1.033	318.44	.303	360.44	.13	402.44	.157	444.44	.1166
193.44	2.38	235.44	1.864	277.44	1.012	319.44	.293	361.44	.13	403.44	.156	445.44	.1167
194.44	2.486	236.44	1.788	278.44	.99	320.44	.285	362.44	.129	404.44	.157	446.44	.1166
195.44	2.578	237.44	1.719	279.44	.966	321.44	.276	363.44	.129	405.44	.156	447.44	.1167
196.44	2.657	238.44	1.662	280.44	.944	322.44	.268	364.44	.129	406.44	.151	448.44	.1167
197.44	2.715	239.44	1.621	281.44	.925	323.44	.261	365.44	.128	407.44	.152	449.44	.1166

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150.48	.202	193.48	1.966	205.48	.2172	277.48	.02	319.48	.044	361.48	.075	403.48	.102
152.85	.219	194.48	1.069	236.48	.177	278.48	.021	320.48	.043	362.48	.074	404.48	.101
153.48	.219	195.48	2.151	237.48	.1337	279.48	.022	321.48	.045	363.48	.075	405.48	.102
154.48	.219	196.48	2.219	238.48	.1311	280.48	.022	322.48	.046	364.48	.075	406.48	.102
155.48	.222	197.48	2.272	239.48	.136	281.48	.022	323.48	.046	365.48	.076	407.48	.103
156.48	.225	198.48	2.316	240.48	.1582	282.48	.024	324.48	.046	366.48	.076	408.48	.105
157.48	.226	199.48	2.354	241.48	.416	283.48	.024	325.48	.047	367.48	.076	409.48	.106
158.48	.225	200.48	2.392	242.48	.1296	284.48	.025	326.48	.048	368.48	.077	410.48	.103
159.48	.214	201.48	2.434	243.48	.222	285.48	.026	327.48	.049	369.48	.079	411.48	.108
160.48	.207	202.48	2.467	244.48	.142	286.48	.026	328.48	.049	370.48	.08	412.48	.106
161.48	.192	203.48	2.491	245.48	.105	287.48	.027	329.48	.05	371.48	.08	413.48	.103
162.48	.188	204.48	2.521	246.48	.125	288.48	.027	330.48	.05	372.48	.08	414.48	.101
163.48	.178	205.48	2.55	247.48	.053	289.48	.028	331.48	.051	373.48	.081	415.48	.102
164.48	.175	206.48	2.574	248.48	.107	290.48	.028	332.48	.051	374.48	.08	416.48	.101
165.48	.18	207.48	2.603	249.48	.027	291.48	.029	333.48	.052	375.48	.083	417.48	.102
166.48	.177	208.48	2.625	250.49	.021	292.48	.028	334.48	.052	376.48	.082	418.48	.102
167.48	.182	209.48	2.642	251.48	.019	293.48	.029	335.48	.054	377.48	.084	419.48	.101
168.48	.182	210.48	2.66	252.48	.016	294.48	.029	336.48	.055	378.48	.084	420.48	.109
169.48	.185	211.48	2.677	253.48	.014	295.48	.03	337.48	.056	379.48	.087	421.48	.127
170.48	.183	212.48	2.689	254.48	.014	296.48	.03	338.48	.056	380.48	.088	422.48	.13
171.48	.189	213.48	2.702	255.48	.013	297.48	.031	339.48	.058	381.48	.089	423.48	.134
172.48	.19	214.48	2.714	256.48	.014	298.48	.031	340.48	.057	382.48	.091	424.48	.133
173.48	.198	215.48	2.719	257.48	.014	299.48	.032	341.48	.059	383.48	.094	425.48	.134
174.48	.196	216.48	2.726	258.48	.014	300.48	.032	342.48	.059	384.48	.094	426.48	.135
175.48	.199	217.48	2.738	259.48	.014	301.48	.033	343.48	.061	385.48	.094	427.48	.133
176.48	.207	218.48	2.751	260.48	.015	302.48	.033	344.48	.061	386.48	.096	428.48	.134
177.48	.207	219.48	2.757	261.48	.015	303.48	.034	345.48	.062	387.48	.098	429.48	.131
178.49	.209	220.48	2.764	262.48	.016	304.48	.034	346.48	.062	388.48	.101	430.48	.131
179.48	.211	221.48	2.772	263.48	.016	305.48	.035	347.48	.064	389.48	.104	431.48	.14
180.48	.211	222.48	2.791	264.48	.016	306.48	.035	348.48	.063	390.48	.104	432.48	.142
181.48	.213	223.48	2.785	265.48	.016	307.48	.037	349.48	.065	391.48	.105	433.48	.104
182.48	.213	224.48	2.792	266.48	.016	308.48	.037	350.48	.065	392.48	.105	434.48	.137
183.48	.228	225.48	2.798	267.48	.017	309.48	.038	351.48	.067	393.48	.109	435.48	.142
184.48	.25	226.48	2.796	268.48	.017	310.48	.038	352.48	.067	394.48	.111	436.48	.137
185.48	.298	227.48	2.793	269.48	.017	311.48	.04	353.48	.068	395.48	.113	437.48	.141
186.48	.446	228.48	2.789	270.48	.017	312.48	.039	354.48	.069	396.48	.112	438.48	.141
187.48	.714	229.48	2.782	271.48	.018	313.48	.04	355.48	.07	397.48	.112	439.48	.143
188.48	1.049	230.48	2.763	272.48	.018	314.48	.041	356.48	.07	398.48	.113	440.48	.139
189.48	1.368	231.48	2.728	273.48	.018	315.48	.042	357.48	.071	399.48	.119	441.48	.135
190.48	1.57	232.48	2.687	274.48	.019	316.48	.041	358.48	.071	400.49	.12	442.48	.139
191.48	1.711	233.48	2.622	275.48	.02	317.48	.042	359.48	.073	401.48	.12	443.48	.14
192.48	1.843	234.48	2.476	276.48	.02	318.48	.042	360.48	.072	402.48	.12	444.48	.133
												445.48	.14
												446.48	.139
												447.48	.141
												448.48	.14
												449.48	.14

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150.57	.022	193.57	.088	235.56	3E-03	277.57	.021	319.57	.044	361.56	.072	403.57	.091
152.94	.021	194.57	.085	236.57	3E-03	278.57	.022	320.57	.043	362.57	.073	404.57	.089
153.57	.021	195.56	.079	237.56	3E-03	279.56	.023	321.57	.045	363.56	.073	405.56	.092
154.57	.021	196.57	.08	238.57	3E-03	280.57	.022	322.57	.045	364.57	.073	406.57	.094
155.57	.022	197.56	.081	239.56	3E-03	281.57	.023	323.56	.046	365.57	.074	407.56	.095
156.57	.019	198.57	.076	240.57	3E-03	282.57	.024	324.57	.046	366.57	.073	408.57	.089
157.56	.021	199.57	.072	241.56	4E-03	283.57	.024	325.56	.047	367.57	.075	409.56	.091
158.57	.018	200.57	.07	242.57	4E-03	284.57	.024	326.57	.047	368.57	.076	410.57	.092
159.57	.02	201.56	.065	243.57	6E-03	285.56	.025	327.56	.048	369.56	.077	411.56	.091
160.57	.022	202.57	.059	244.57	5E-03	286.57	.025	328.57	.048	370.57	.078	412.57	.089
161.56	.02	203.56	.055	245.57	5E-03	287.56	.026	329.56	.05	371.56	.078	413.56	.091
162.57	.02	204.57	.052	246.57	6E-03	288.57	.026	330.57	.05	372.57	.078	414.57	.093
163.57	.019	205.56	.048	247.57	7E-03	289.56	.027	331.56	.051	373.57	.079	415.56	.093
164.57	.018	206.57	.044	248.57	8E-03	290.57	.027	332.57	.051	374.57	.079	416.57	.092
165.57	.022	207.56	.04	249.57	9E-03	291.56	.029	333.57	.051	375.56	.08	417.56	.092
166.57	.019	208.57	.038	250.57	9E-03	292.57	.028	334.57	.053	376.57	.08	418.57	.091
167.57	.02	209.56	.036	251.57	.01	293.57	.029	335.57	.054	377.56	.081	419.57	.091
168.57	.018	210.57	.034	252.57	.01	294.57	.03	336.57	.054	378.57	.082	420.57	.089
169.57	.019	211.57	.032	253.56	.011	295.57	.031	337.56	.055	379.57	.083	421.56	.09
170.57	.019	212.57	.031	254.57	.011	296.57	.03	338.57	.056	380.57	.084	422.57	.093
171.56	.019	213.56	.029	255.56	.013	297.57	.031	339.56	.057	381.56	.084	423.56	.096
172.57	.022	214.57	.026	256.57	.012	298.57	.032	340.57	.056	382.57	.084	424.57	.094
173.57	.02	215.57	.024	257.56	.013	299.56	.033	341.56	.058	383.56	.085	425.56	.094
174.57	.017	216.57	.022	258.57	.014	300.57	.032	342.57	.059	384.57	.085	426.57	.093
175.56	.019	217.56	.02	259.56	.015	301.57	.033	343.56	.059	385.57	.086	427.56	.092
176.57	.018	218.57	.017	260.57	.015	302.57	.033	344.57	.059	386.57	.086	428.56	.093
177.57	.019	219.57	.015	261.56	.015	303.57	.035	345.56	.061	387.56	.085	429.56	.091
178.57	.017	220.57	.013	262.57	.016	304.57	.034	346.57	.061	388.57	.087	430.57	.094
179.57	.016	221.56	.011	263.57	.016	305.56	.035	347.57	.062	389.56	.089	431.56	.099
180.57	.023	222.57	.01	264.57	.016	306.57	.036	348.57	.062	390.57	.088	432.57	.097
181.57	.018	223.56	8E-03	265.57	.017	307.56	.037	349.57	.063	391.57	.087	433.57	.089
182.57	.016	224.57	7E-03	266.57	.017	308.57	.037	350.57	.064	392.57	.086	434.57	.094
183.57	.016	225.56	6E-03	267.57	.018	309.57	.038	351.56	.065	393.56	.09	435.56	.096
184.57	.017	226.57	6E-03	268.57	.018	310.57	.039	352.57	.065	394.57	.091	436.57	.092
185.57	.024	227.56	4E-03	269.57	.019	311.56	.039	353.56	.067	395.56	.091	437.57	.093
186.57	.033	228.57	4E-03	270.57	.018	312.57	.039	354.57	.067	396.57	.089	438.57	.093
187.56	.042	229.56	4E-03	271.57	.019	313.56	.04	355.57	.068	397.57	.088	439.57	.094
188.57	.062	230.57	3E-03	272.57	.019	314.57	.04	356.57	.068	398.57	.089	440.57	.091
189.57	.092	231.57	3E-03	273.56	.02	315.57	.042	357.56	.07	399.56	.094	441.56	.091
190.57	.093	232.57	3E-03	274.57	.02	316.57	.041	358.57	.07	400.57	.093	442.57	.095
191.56	.079	233.57	3E-03	275.56	.02	317.56	.043	359.56	.071	401.56	.092	443.56	.095
192.57	.085	234.57	3E-03	276.57	.02	318.57	.043	360.57	.071	402.57	.092	444.57	.094
												445.56	.094
												446.57	.094
												447.56	.095
												448.57	.093
												449.56	.093

400.84	.812	450.84	.383	499.83	.316	548.84	.375	597.83	.28	646.84	.16	695.83	.136
403.22	.786	451.83	.378	500.83	.318	549.83	.375	598.84	.275	647.83	.159	696.33	.136
403.84	.786	452.84	.371	501.83	.322	550.84	.375	599.83	.273	648.83	.156	697.83	.137
404.84	.777	453.83	.366	502.84	.325	551.83	.374	600.84	.27	649.83	.154	698.84	.136
405.83	.767	454.84	.36	503.83	.328	552.84	.373	601.83	.266	650.83	.152	699.83	.136
406.84	.756	455.83	.356	504.84	.331	553.83	.372	602.84	.263	651.83	.151	700.83	.137
407.83	.751	456.84	.35	505.83	.334	554.84	.371	603.83	.261	652.84	.148	701.83	.135
408.84	.74	457.83	.345	506.84	.336	555.83	.37	604.84	.257	653.83	.146	702.83	.135
409.83	.732	458.84	.337	507.83	.339	556.84	.368	605.83	.254	654.84	.145	703.83	.135
410.84	.721	459.83	.332	508.84	.34	557.83	.368	606.84	.251	655.83	.145	704.83	.134
411.83	.71	460.84	.327	509.83	.342	558.84	.365	607.83	.251	656.83	.144	705.83	.133
412.84	.702	461.83	.323	510.84	.343	559.83	.365	608.84	.247	657.83	.143	706.84	.13
413.83	.696	462.84	.318	511.83	.346	560.84	.362	609.83	.244	658.84	.142	707.83	.125
414.84	.684	463.83	.314	512.84	.346	561.83	.36	610.83	.242	659.83	.143	708.83	.121
415.83	.676	464.84	.309	513.83	.348	562.84	.358	611.83	.24	660.84	.142	709.83	.118
416.84	.666	465.83	.305	514.84	.349	563.83	.357	612.84	.238	661.83	.142	710.84	.114
417.83	.657	466.84	.301	515.83	.35	564.84	.356	613.83	.235	662.83	.142	711.83	.111
418.84	.646	467.83	.298	516.84	.35	565.83	.354	614.84	.233	663.83	.143	712.84	.109
419.83	.635	468.84	.294	517.83	.351	566.84	.353	615.83	.231	664.84	.142	713.83	.108
420.84	.628	469.83	.293	518.84	.353	567.83	.351	616.83	.228	665.83	.142	714.83	.104
421.83	.619	470.84	.289	519.83	.354	568.84	.35	617.83	.225	666.84	.143	715.83	.102
422.84	.609	471.83	.287	520.84	.354	569.83	.348	618.84	.223	667.83	.143	716.83	.102
423.83	.598	472.84	.286	521.83	.355	570.84	.347	619.83	.221	668.84	.141	717.83	.103
424.84	.57	473.83	.285	522.84	.355	571.83	.346	620.84	.219	669.83	.14	718.84	.101
425.83	.584	474.84	.282	523.83	.356	572.84	.344	621.83	.219	670.84	.139	719.83	.101
426.84	.572	475.83	.281	524.84	.358	573.83	.342	622.84	.212	671.83	.134	720.83	.104
427.83	.564	476.84	.281	525.83	.361	574.84	.34	623.83	.212	672.84	.139	721.83	.104
428.84	.553	477.83	.28	526.84	.363	575.83	.34	624.84	.209	673.83	.133	722.83	.106
429.83	.545	478.84	.28	527.83	.365	576.84	.338	625.83	.207	674.84	.134	723.83	.106
430.84	.535	479.83	.28	528.84	.367	577.83	.336	626.84	.205	675.83	.138	724.84	.106
431.83	.529	480.84	.279	529.83	.369	578.84	.334	627.83	.204	676.84	.136	725.83	.105
432.84	.519	481.83	.28	530.84	.371	579.83	.333	628.84	.202	677.83	.135	726.84	.106
433.83	.512	482.84	.281	531.83	.373	580.84	.33	629.83	.2	678.84	.135	727.83	.108
434.84	.503	483.83	.282	532.84	.374	581.83	.329	630.83	.199	679.83	.135	728.83	.108
435.83	.491	484.84	.283	533.83	.376	582.84	.325	631.83	.198	680.84	.134	729.83	.107
436.84	.485	485.83	.285	534.84	.376	583.83	.323	632.84	.195	681.83	.133	730.84	.105
437.83	.479	486.84	.286	535.83	.377	584.84	.32	633.83	.195	682.83	.133	731.83	.107
438.84	.469	487.83	.288	536.84	.377	585.83	.317	634.84	.192	683.83	.134	732.83	.107
439.83	.462	488.84	.289	537.83	.377	586.84	.315	635.83	.191	684.84	.133	733.83	.106
440.84	.454	489.83	.291	538.84	.376	587.83	.313	636.83	.188	685.83	.133	734.83	.106
441.83	.446	490.84	.293	539.83	.377	588.84	.309	637.83	.184	686.84	.133	735.83	.108
442.84	.439	491.83	.295	540.84	.376	589.83	.305	638.84	.182	687.83	.134	736.84	.106
443.83	.432	492.84	.297	541.83	.376	590.84	.302	639.83	.179	688.83	.134	737.83	.105
444.84	.423	493.83	.298	542.84	.375	591.83	.299	640.84	.176	689.83	.134	738.83	.105
445.83	.417	494.84	.302	543.83	.376	592.84	.296	641.83	.174	690.83	.133	739.83	.107
446.84	.409	495.83	.306	544.84	.376	593.83	.292	642.84	.172	691.83	.135	740.83	.107
447.83	.402	496.84	.308	545.83	.375	594.84	.289	643.83	.17	692.84	.135	741.83	.105
448.84	.394	497.83	.31	546.84	.374	595.83	.286	644.84	.166	693.83	.135	742.84	.105
449.83	.391	498.84	.313	547.83	.375	596.84	.282	645.83	.163	694.83	.136	743.83	.107
												744.84	.107
												745.83	.104
												746.83	.104
												747.83	.108
												748.84	.106
												749.83	.105

400.41	.934	450.4	.351	499.42	.233	548.41	.432	597.41	.332	646.41	.153	695.41	.135
402.78	.897	451.42	.343	500.4	.236	549.41	.437	598.4	.325	647.42	.152	696.4	.133
403.42	.897	452.41	.335	501.41	.24	550.41	.44	599.41	.32	648.41	.148	697.41	.135
404.41	.384	453.41	.327	502.4	.245	551.41	.445	600.41	.314	649.41	.147	698.41	.134
405.41	.871	454.41	.318	503.42	.25	552.41	.448	601.42	.309	650.41	.144	699.41	.135
406.41	.356	455.41	.312	504.41	.253	553.41	.451	602.41	.303	651.42	.143	700.41	.134
407.41	.846	456.41	.305	505.42	.258	554.41	.454	603.41	.298	652.41	.141	701.41	.134
408.4	.333	457.41	.299	506.41	.263	555.42	.457	604.41	.291	653.42	.139	702.4	.134
409.41	.821	458.41	.292	507.41	.268	556.41	.458	605.41	.287	654.41	.138	703.41	.133
410.41	.307	459.41	.284	508.41	.272	557.42	.461	606.41	.281	655.42	.139	704.41	.132
411.41	.793	460.41	.278	509.42	.277	558.41	.462	607.42	.278	656.41	.137	705.41	.131
412.41	.779	461.41	.273	510.41	.281	559.41	.464	608.41	.272	657.42	.137	706.41	.133
413.41	.768	462.4	.267	511.42	.287	560.41	.465	609.42	.267	658.41	.137	707.41	.128
414.41	.756	463.41	.261	512.4	.291	561.42	.466	610.41	.263	659.42	.138	708.4	.118
415.41	.742	464.41	.256	513.41	.296	562.41	.467	611.41	.26	660.41	.137	709.41	.116
416.4	.73	465.41	.251	514.4	.3	563.41	.468	612.41	.255	661.42	.137	710.41	.113
417.41	.717	466.41	.245	515.41	.304	564.41	.467	613.42	.252	662.41	.137	711.42	.109
418.4	.702	467.41	.242	516.41	.306	565.41	.467	614.41	.247	663.41	.137	712.41	.107
419.41	.692	468.4	.237	517.42	.309	566.41	.466	615.42	.244	664.41	.137	713.41	.105
420.41	.679	469.41	.234	518.41	.31	567.41	.466	616.41	.239	665.42	.138	714.4	.102
421.41	.667	470.41	.229	519.41	.308	568.41	.465	617.41	.236	666.41	.138	715.41	.099
422.4	.654	471.42	.226	520.41	.311	569.41	.463	618.41	.232	667.41	.139	716.41	.098
423.41	.64	472.41	.221	521.42	.312	570.41	.462	619.41	.229	668.41	.137	717.41	.099
424.4	.627	473.41	.221	522.41	.315	571.41	.461	620.41	.224	669.41	.137	718.41	.098
425.41	.618	474.4	.216	523.42	.317	572.41	.458	621.42	.221	670.41	.136	719.41	.1
426.41	.605	475.41	.214	524.41	.321	573.42	.455	622.41	.218	671.42	.137	720.41	.098
427.41	.593	476.41	.211	525.41	.325	574.41	.452	623.42	.216	672.41	.135	721.41	.099
428.4	.581	477.41	.209	526.41	.329	575.41	.451	624.41	.212	673.41	.135	722.4	.101
429.41	.568	478.41	.207	527.41	.333	576.41	.447	625.42	.209	674.41	.134	723.41	.103
430.41	.555	479.41	.206	528.41	.336	577.41	.444	626.41	.207	675.42	.135	724.41	.103
431.41	.546	480.4	.205	529.42	.342	578.41	.439	627.41	.205	676.41	.133	725.42	.103
432.4	.535	481.41	.204	530.41	.347	579.41	.435	628.41	.202	677.42	.132	726.41	.104
433.41	.524	482.41	.203	531.41	.352	580.41	.43	629.42	.2	678.41	.132	727.41	.106
434.41	.512	483.41	.203	532.41	.357	581.41	.425	630.41	.199	679.41	.133	728.4	.104
435.41	.501	484.41	.203	533.41	.362	582.41	.421	631.41	.197	680.41	.131	729.41	.104
436.4	.49	485.41	.204	534.41	.365	583.41	.417	632.41	.193	681.41	.13	730.41	.105
437.41	.48	486.41	.203	535.42	.371	584.41	.41	633.42	.191	682.4	.13	731.42	.106
438.41	.469	487.41	.204	536.41	.375	585.41	.404	634.41	.188	683.41	.132	732.41	.105
439.41	.459	488.41	.205	537.42	.381	586.41	.398	635.42	.187	684.41	.13	733.41	.104
440.4	.449	489.41	.207	538.41	.385	587.42	.394	636.41	.183	685.42	.13	734.4	.104
441.41	.437	490.41	.208	539.41	.39	588.41	.387	637.41	.18	686.41	.13	735.41	.106
442.4	.425	491.41	.21	540.41	.394	589.42	.381	638.41	.177	687.42	.132	736.41	.105
443.41	.416	492.41	.211	541.42	.4	590.41	.374	639.41	.175	688.41	.132	737.42	.105
444.4	.408	493.41	.214	542.41	.403	591.41	.37	640.41	.172	689.41	.131	738.41	.104
445.41	.398	494.4	.216	543.42	.41	592.41	.362	641.42	.168	690.41	.131	739.41	.107
446.4	.388	495.41	.22	544.41	.414	593.41	.356	642.41	.165	691.41	.133	740.41	.104
447.41	.378	496.41	.223	545.41	.419	594.41	.35	643.41	.163	692.41	.132	741.41	.104
448.4	.367	497.41	.225	546.4	.423	595.41	.344	644.41	.159	693.41	.133	742.41	.103
449.41	.361	498.41	.228	547.42	.428	596.41	.338	645.41	.156	694.41	.134	743.42	.105
												744.41	.104
												745.42	.104
												746.41	.104
												747.41	.106
												748.4	.105
												749.41	.105

400.67	.394	458.66	.364	499.66	.352	548.66	.349	597.66	.347	646.66	.356	695.66	.366
403.05	.393	451.66	.364	500.66	.352	549.66	.348	598.66	.346	647.66	.357	696.66	.366
403.66	.393	452.66	.363	501.66	.353	550.66	.348	599.66	.346	648.66	.355	697.66	.365
404.66	.392	453.66	.364	502.66	.352	551.66	.349	600.66	.347	649.66	.354	698.66	.366
405.66	.392	454.66	.362	503.66	.35	552.66	.348	601.66	.347	650.66	.355	699.66	.367
406.67	.371	455.66	.363	504.66	.353	553.66	.349	602.66	.347	651.66	.355	700.66	.365
407.66	.39	456.66	.362	505.66	.352	554.66	.347	603.66	.348	652.66	.355	701.66	.365
408.66	.39	457.66	.363	506.66	.351	555.66	.347	604.66	.347	653.66	.353	702.66	.364
409.66	.39	458.66	.362	507.66	.352	556.66	.347	605.66	.348	654.66	.356	703.66	.364
410.66	.388	459.66	.361	508.66	.352	557.66	.346	606.66	.347	655.66	.355	704.66	.364
411.66	.388	460.66	.361	509.66	.352	558.66	.346	607.66	.348	656.66	.356	705.66	.363
412.66	.388	461.66	.36	510.66	.352	559.66	.347	608.66	.349	657.66	.355	706.66	.363
413.66	.388	462.66	.359	511.66	.352	560.66	.345	609.66	.349	658.66	.356	707.66	.356
414.66	.386	463.66	.359	512.66	.353	561.66	.347	610.66	.349	659.66	.358	708.66	.351
415.66	.386	464.66	.359	513.66	.352	562.66	.343	611.66	.349	660.66	.358	709.66	.347
416.66	.385	465.66	.359	514.66	.352	563.66	.344	612.66	.35	661.66	.359	710.66	.344
417.66	.386	466.66	.358	515.66	.351	564.66	.346	613.66	.35	662.66	.36	711.66	.341
418.66	.383	467.66	.359	516.66	.353	565.66	.344	614.66	.35	663.66	.362	712.66	.339
419.66	.384	468.66	.358	517.66	.352	566.66	.345	615.66	.351	664.66	.362	713.66	.338
420.66	.384	469.66	.358	518.66	.352	567.66	.345	616.66	.351	665.66	.362	714.66	.335
421.66	.383	470.66	.357	519.66	.352	568.66	.344	617.66	.349	666.66	.363	715.66	.334
422.66	.382	471.66	.356	520.66	.352	569.66	.345	618.66	.352	667.66	.364	716.66	.334
423.66	.382	472.66	.357	521.66	.352	570.66	.344	619.66	.353	668.66	.363	717.66	.333
424.66	.382	473.66	.357	522.66	.352	571.66	.344	620.66	.352	669.66	.363	718.66	.334
425.66	.381	474.66	.356	523.66	.352	572.66	.343	621.66	.352	670.66	.364	719.66	.337
426.66	.38	475.66	.357	524.66	.352	573.66	.343	622.66	.353	671.66	.365	720.66	.334
427.66	.38	476.66	.356	525.66	.353	574.66	.344	623.66	.356	672.66	.364	721.66	.334
428.66	.379	477.66	.355	526.66	.352	575.66	.345	624.66	.355	673.66	.364	722.66	.335
429.66	.378	478.66	.354	527.66	.35	576.66	.345	625.66	.354	674.66	.364	723.66	.336
430.66	.377	479.66	.355	528.66	.353	577.66	.345	626.66	.356	675.66	.365	724.66	.337
431.66	.378	480.66	.355	529.66	.351	578.66	.347	627.66	.355	676.66	.364	725.66	.336
432.66	.376	481.66	.354	530.66	.35	579.66	.345	628.66	.356	677.66	.363	726.66	.336
433.66	.377	482.66	.353	531.66	.352	580.66	.346	629.66	.357	678.66	.364	727.66	.337
434.66	.375	483.66	.354	532.66	.352	581.66	.346	630.66	.357	679.66	.363	728.66	.335
435.66	.375	484.66	.354	533.66	.351	582.66	.345	631.66	.358	680.66	.364	729.66	.333
436.66	.375	485.66	.354	534.66	.351	583.66	.346	632.66	.358	681.66	.363	730.66	.334
437.66	.374	486.66	.354	535.66	.352	584.66	.345	633.66	.355	682.66	.363	731.66	.334
438.66	.374	487.66	.354	536.66	.351	585.66	.348	634.66	.359	683.66	.365	732.66	.333
439.66	.372	488.66	.353	537.66	.351	586.66	.347	635.66	.358	684.66	.364	733.66	.332
440.66	.372	489.66	.353	538.66	.35	587.66	.346	636.66	.359	685.66	.364	734.66	.332
441.66	.372	490.66	.352	539.66	.351	588.66	.347	637.66	.359	686.66	.363	735.66	.333
442.66	.371	491.66	.352	540.66	.35	589.66	.345	638.66	.359	687.66	.365	736.66	.33
443.66	.369	492.66	.352	541.66	.351	590.66	.346	639.66	.36	688.66	.364	737.66	.328
444.66	.369	493.66	.353	542.66	.35	591.66	.348	640.66	.358	689.66	.366	738.66	.328
445.66	.37	494.66	.352	543.66	.35	592.66	.348	641.66	.359	690.66	.365	739.66	.329
446.66	.367	495.66	.352	544.66	.35	593.66	.345	642.66	.358	691.66	.367	740.66	.326
447.66	.366	496.66	.352	545.66	.35	594.66	.346	643.66	.358	692.66	.364	741.66	.324
448.66	.366	497.66	.35	546.66	.348	595.66	.347	644.66	.357	693.66	.363	742.66	.323
449.66	.365	498.66	.352	547.66	.349	596.66	.347	645.66	.355	694.66	.366	743.66	.326
												744.66	.322
												745.66	.323
												746.66	.32
												747.66	.321
												748.66	.318
												749.66	.317

3.28	1.238	453.85	1.137	582.86	1.893	551.85	1.876	600.85	1.826	647.84	1.859	698.85	1.89
4.85	1.231	454.86	1.135	583.85	1.894	552.86	1.874	601.85	1.827	648.85	1.858	699.84	1.886
6.86	1.229	455.85	1.134	584.86	1.893	553.85	1.874	602.85	1.828	649.85	1.856	700.85	1.882
8.86	1.228	456.86	1.133	585.85	1.894	554.86	1.873	603.84	1.83	650.85	1.857	701.84	1.879
10.86	1.226	457.85	1.13	586.85	1.892	555.85	1.872	604.85	1.828	651.84	1.855	702.85	1.874
12.85	1.221	458.86	1.13	587.85	1.893	556.86	1.87	605.84	1.829	652.85	1.856	703.84	1.869
14.86	1.22	459.85	1.13	588.85	1.892	557.85	1.87	606.85	1.83	653.84	1.853	704.85	1.862
16.85	1.218	460.85	1.128	589.84	1.892	558.86	1.869	607.85	1.832	654.85	1.853	705.84	1.857
18.86	1.216	461.85	1.126	590.86	1.891	559.85	1.867	608.85	1.833	655.85	1.857	706.85	1.849
20.85	1.214	462.86	1.124	591.85	1.892	560.85	1.867	609.85	1.834	656.85	1.857	707.84	1.835
22.86	1.212	463.85	1.123	592.85	1.891	561.85	1.865	610.85	1.837	657.84	1.855	708.85	1.825
24.85	1.21	464.86	1.124	593.84	1.891	562.85	1.866	611.84	1.839	658.85	1.857	709.85	1.814
26.86	1.208	465.85	1.122	594.85	1.893	563.85	1.864	612.85	1.841	659.84	1.853	710.85	1.805
28.85	1.204	466.86	1.119	595.85	1.892	564.85	1.862	613.84	1.845	660.85	1.85	711.84	.996
30.86	1.201	467.85	1.119	596.85	1.892	565.85	1.861	614.85	1.846	661.84	1.851	712.85	.987
32.85	1.2	468.86	1.117	597.85	1.891	566.86	1.86	615.85	1.848	662.85	1.855	713.84	.979
34.86	1.199	469.85	1.116	598.85	1.892	567.85	1.859	616.85	1.849	663.84	1.857	714.85	.97
36.85	1.194	470.86	1.115	599.84	1.893	568.86	1.858	617.84	1.849	664.85	1.858	715.84	.963
38.85	1.192	471.85	1.113	600.85	1.891	569.85	1.855	618.85	1.852	665.84	1.858	716.85	.959
40.86	1.19	472.86	1.113	601.85	1.892	570.85	1.856	619.85	1.852	666.85	1.858	717.84	.95
42.86	1.189	473.85	1.111	602.86	1.892	571.85	1.853	620.85	1.854	667.84	1.858	718.85	.946
44.85	1.187	474.85	1.111	603.85	1.893	572.85	1.852	621.85	1.855	668.85	1.858	719.84	.941
46.86	1.183	475.85	1.189	604.86	1.892	573.85	1.85	622.85	1.858	669.84	1.858	720.85	.938
48.85	1.183	476.86	1.188	605.84	1.89	574.86	1.85	623.84	1.856	670.85	1.858	721.84	.933
50.85	1.18	477.85	1.188	606.85	1.89	575.85	1.849	624.85	1.863	671.84	1.859	722.85	.93
52.86	1.179	478.86	1.187	607.84	1.89	576.86	1.848	625.84	1.865	672.85	1.859	723.84	.928
54.86	1.178	479.85	1.186	608.86	1.891	577.85	1.847	626.85	1.87	673.85	1.855	724.85	.922
56.85	1.176	480.85	1.184	609.85	1.89	578.85	1.846	627.84	1.874	674.85	1.853	725.84	.921
58.86	1.173	481.85	1.184	610.85	1.889	579.85	1.844	628.85	1.878	675.84	1.852	726.85	.917
60.85	1.172	482.86	1.182	611.85	1.89	580.85	1.843	629.84	1.882	676.85	1.85	727.85	.915
62.86	1.17	483.85	1.181	612.85	1.889	581.85	1.842	630.85	1.885	677.84	1.85	728.85	.911
64.85	1.167	484.86	1.18	613.84	1.888	582.85	1.843	631.84	1.888	678.85	1.85	729.84	.91
66.86	1.166	485.85	1.899	614.86	1.889	583.85	1.841	632.85	1.89	679.84	1.855	730.85	.907
68.85	1.164	486.85	1.18	615.85	1.889	584.85	1.839	633.85	1.891	680.85	1.854	731.84	.905
70.86	1.163	487.85	1.899	616.85	1.887	585.85	1.839	634.85	1.893	681.84	1.854	732.85	.902
72.85	1.16	488.85	1.897	617.85	1.886	586.86	1.838	635.85	1.895	682.85	1.853	733.84	.899
74.86	1.159	489.85	1.897	618.85	1.886	587.85	1.837	636.85	1.893	683.84	1.852	734.85	.898
76.85	1.156	490.85	1.897	619.84	1.885	588.85	1.837	637.84	1.891	684.85	1.85	735.84	.897
78.86	1.155	491.85	1.896	620.85	1.885	589.85	1.835	638.85	1.891	685.84	1.85	736.86	.892
80.85	1.153	492.85	1.896	621.85	1.884	590.85	1.834	639.85	1.889	686.85	1.85	737.84	.89
82.86	1.151	493.85	1.896	622.86	1.884	591.84	1.833	640.85	1.885	687.84	1.85	738.85	.891
84.85	1.149	494.85	1.896	623.85	1.883	592.85	1.832	641.84	1.883	688.85	1.85	739.85	.889
86.86	1.148	495.84	1.895	624.85	1.881	593.85	1.832	642.85	1.881	689.84	1.85	740.85	.886
88.85	1.146	496.85	1.896	625.85	1.881	594.85	1.831	643.84	1.878	690.85	1.85	741.84	.884
90.85	1.145	497.84	1.896	626.85	1.881	595.85	1.831	644.85	1.874	691.85	1.85	742.85	.884
92.86	1.144	498.85	1.895	627.85	1.88	596.85	1.829	645.85	1.869	692.84	1.85	743.84	.88
94.86	1.142	499.85	1.894	628.85	1.879	597.84	1.828	646.85	1.865	693.84	1.85	744.85	.879
96.85	1.139	500.85	1.894	629.85	1.878	598.85	1.829	647.84	1.864	694.85	1.85	745.85	.878
98.86	1.139	501.85	1.894	630.86	1.877	599.85	1.829	648.85	1.86	695.84	1.85	746.85	.876
												747.84	.876
												748.85	.871
												749.84	.871

441.61	.935	451.61	.848	500.61	.79	549.61	.746	598.61	.788	647.61	.698	696.61	.639
444.14	.93	452.61	.848	501.61	.788	550.61	.744	599.61	.789	648.61	.695	697.61	.632
444.61	.93	453.61	.847	502.61	.788	551.61	.744	600.61	.788	649.61	.694	698.61	.631
445.61	.93	454.61	.845	503.61	.788	552.61	.742	601.61	.789	650.61	.692	699.61	.633
446.61	.927	455.61	.844	504.61	.787	553.61	.741	602.61	.787	651.61	.692	700.61	.63
447.61	.925	456.61	.843	505.61	.787	554.61	.738	603.61	.787	652.61	.692	701.61	.63
448.61	.922	457.61	.842	506.61	.784	555.61	.737	604.61	.786	653.61	.691	702.61	.631
449.61	.92	458.61	.84	507.61	.785	556.61	.737	605.61	.786	654.61	.69	703.61	.63
450.61	.918	459.61	.839	508.61	.783	557.62	.736	606.61	.785	655.61	.69	704.61	.628
451.61	.917	460.61	.838	509.62	.783	558.61	.735	607.61	.787	656.61	.69	705.61	.627
452.61	.916	461.61	.837	510.61	.781	559.61	.734	608.61	.786	657.61	.69	706.61	.626
453.61	.914	462.61	.835	511.61	.781	560.62	.733	609.61	.786	658.61	.69	707.61	.622
454.61	.911	463.61	.834	512.61	.782	561.61	.732	610.61	.786	659.61	.691	708.61	.665
455.61	.911	464.61	.833	513.61	.78	562.61	.731	611.61	.787	660.61	.691	709.61	.664
456.61	.909	465.61	.832	514.61	.78	563.61	.73	612.61	.786	661.61	.692	710.61	.659
457.61	.907	466.61	.83	515.61	.779	564.61	.73	613.61	.787	662.61	.692	711.61	.656
458.61	.904	467.61	.829	516.61	.777	565.61	.729	614.61	.786	663.61	.692	712.61	.653
459.61	.901	468.61	.827	517.61	.777	566.61	.727	615.61	.788	664.61	.693	713.61	.652
460.61	.899	469.61	.826	518.61	.775	567.61	.726	616.61	.787	665.61	.693	714.61	.649
461.61	.898	470.61	.824	519.61	.774	568.61	.726	617.61	.787	666.61	.694	715.61	.646
462.61	.897	471.61	.824	520.61	.774	569.62	.725	618.61	.787	667.61	.695	716.61	.646
463.61	.895	472.61	.822	521.61	.773	570.61	.724	619.61	.788	668.61	.694	717.61	.645
464.61	.893	473.61	.821	522.61	.771	571.61	.724	620.61	.787	669.61	.694	718.61	.642
465.61	.892	474.61	.819	523.61	.771	572.61	.722	621.61	.786	670.61	.694	719.61	.642
466.61	.889	475.61	.818	524.61	.771	573.61	.722	622.61	.785	671.61	.694	720.61	.641
467.61	.887	476.61	.817	525.61	.77	574.61	.72	623.61	.786	672.61	.692	721.61	.641
468.61	.887	477.61	.816	526.61	.768	575.61	.72	624.61	.784	673.61	.692	722.61	.641
469.61	.885	478.61	.813	527.61	.768	576.61	.721	625.61	.785	674.61	.691	723.61	.642
470.61	.882	479.61	.814	528.61	.768	577.61	.719	626.61	.785	675.61	.692	724.61	.64
471.61	.881	480.61	.814	529.61	.767	578.61	.719	627.61	.786	676.61	.69	725.61	.639
472.61	.88	481.61	.812	530.61	.767	579.61	.719	628.61	.786	677.61	.689	726.61	.639
473.61	.877	482.61	.81	531.61	.764	580.61	.719	629.61	.786	678.61	.689	727.61	.64
474.61	.876	483.61	.809	532.61	.763	581.61	.718	630.61	.786	679.61	.689	728.61	.636
475.61	.874	484.61	.808	533.61	.762	582.61	.718	631.61	.787	680.61	.687	729.61	.634
476.61	.872	485.61	.807	534.61	.76	583.61	.717	632.61	.786	681.61	.687	730.61	.635
477.61	.871	486.61	.805	535.61	.76	584.61	.715	633.61	.786	682.61	.688	731.61	.634
478.61	.87	487.61	.803	536.61	.759	585.61	.715	634.61	.786	683.61	.686	732.61	.632
479.61	.869	488.61	.803	537.61	.757	586.61	.723	635.61	.787	684.61	.685	733.61	.631
480.61	.866	489.61	.802	538.61	.756	587.61	.715	636.61	.786	685.61	.685	734.61	.629
481.61	.864	490.61	.8	539.61	.755	588.61	.714	637.61	.785	686.61	.684	735.61	.63
482.61	.862	491.61	.799	540.61	.755	589.61	.713	638.61	.785	687.61	.686	736.61	.627
483.61	.862	492.61	.799	541.61	.754	590.61	.712	639.61	.785	688.61	.685	737.61	.625
484.61	.86	493.61	.798	542.61	.751	591.61	.713	640.61	.783	689.61	.685	738.61	.623
485.61	.858	494.61	.797	543.61	.751	592.61	.711	641.61	.782	690.61	.683	739.61	.626
486.61	.857	495.61	.795	544.61	.751	593.61	.711	642.61	.7	691.61	.683	740.61	.623
487.61	.854	496.61	.794	545.61	.75	594.61	.71	643.61	.781	692.61	.683	741.61	.621
488.61	.853	497.61	.793	546.61	.748	595.61	.711	644.61	.699	693.61	.682	742.61	.62
489.61	.852	498.61	.791	547.61	.748	596.61	.71	645.61	.697	694.61	.682	743.61	.62
490.61	.849	499.61	.791	548.61	.747	597.61	.788	646.61	.696	695.61	.683	744.61	.62
												745.61	.617
												746.61	.616
												747.61	.618
												748.61	.615
												749.61	.613



400.97	3E-03	458.97	.021	499.96	.036	548.97	.045	597.96	.061	646.97	.077	695.96	.094
403.31	4E-03	451.96	.023	500.96	.037	549.96	.045	598.97	.06	647.96	.077	696.97	.093
403.96	4E-03	452.97	.022	501.96	.037	550.97	.044	599.96	.061	648.97	.078	697.96	.095
404.97	5E-03	453.96	.023	502.97	.036	551.96	.045	600.97	.062	649.96	.079	698.97	.094
405.96	5E-03	454.97	.023	503.96	.037	552.96	.044	601.96	.062	650.97	.079	699.96	.094
406.97	5E-03	455.96	.024	504.97	.037	553.96	.045	602.97	.062	651.96	.079	700.97	.095
407.96	7E-03	456.97	.023	505.96	.038	554.97	.044	603.96	.062	652.97	.079	701.96	.097
408.97	7E-03	457.96	.024	506.96	.038	555.96	.044	604.96	.063	653.96	.08	702.97	.095
409.96	7E-03	458.97	.024	507.96	.039	556.97	.044	605.96	.063	654.97	.08	703.96	.096
410.97	7E-03	459.96	.024	508.97	.039	557.96	.045	606.97	.063	655.96	.08	704.97	.097
411.96	8E-03	460.97	.025	509.96	.039	558.96	.044	607.96	.063	656.96	.081	705.96	.091
412.97	8E-03	461.96	.026	510.97	.039	559.96	.044	608.97	.064	657.96	.082	706.97	.098
413.96	9E-03	462.97	.026	511.96	.039	560.97	.044	609.96	.065	658.97	.081	707.96	.091
414.97	.01	463.96	.027	512.96	.039	561.96	.045	610.96	.065	659.96	.082	708.96	.089
415.96	.01	464.97	.027	513.96	.04	562.97	.044	611.96	.065	660.97	.082	709.96	.089
416.97	.01	465.96	.027	514.97	.04	563.96	.044	612.97	.065	661.96	.083	710.97	.086
417.96	.011	466.97	.027	515.96	.04	564.97	.045	613.96	.066	662.96	.083	711.96	.086
418.97	.013	467.96	.028	516.97	.041	565.96	.046	614.97	.066	663.96	.083	712.97	.085
419.96	.013	468.97	.028	517.96	.041	566.97	.045	615.96	.066	664.97	.083	713.96	.085
420.97	.012	469.96	.029	518.96	.041	567.96	.046	616.97	.066	665.96	.085	714.96	.083
421.96	.013	470.97	.028	519.96	.042	568.97	.046	617.96	.067	666.97	.085	715.96	.084
422.96	.013	471.96	.03	520.97	.041	569.96	.047	618.97	.068	667.96	.085	716.97	.085
423.96	.015	472.97	.029	521.96	.042	570.97	.046	619.96	.068	668.97	.085	717.96	.087
424.97	.013	473.96	.03	522.97	.042	571.96	.047	620.97	.068	669.96	.086	718.97	.088
425.96	.015	474.97	.03	523.96	.041	572.97	.047	621.96	.069	670.97	.086	719.96	.089
426.97	.016	475.96	.031	524.97	.042	573.96	.049	622.97	.068	671.96	.087	720.97	.092
427.96	.017	476.97	.031	525.96	.043	574.97	.048	623.96	.068	672.97	.086	721.96	.095
428.96	.016	477.96	.032	526.97	.043	575.96	.048	624.97	.069	673.96	.087	722.97	.095
429.96	.016	478.97	.031	527.96	.043	576.97	.049	625.96	.07	674.97	.086	723.96	.097
430.97	.017	479.96	.031	528.97	.043	577.96	.05	626.97	.07	675.96	.087	724.97	.099
431.96	.018	480.96	.032	529.96	.044	578.96	.05	627.96	.07	676.97	.088	725.96	..
432.97	.018	481.96	.033	530.97	.043	579.96	.051	628.97	.071	677.96	.089	726.97	..
433.96	.019	482.97	.032	531.96	.043	580.97	.051	629.96	.071	678.97	.089	727.96	..
434.96	.019	483.96	.032	532.96	.044	581.96	.052	630.96	.07	679.96	.089	728.97	.082
435.96	.021	484.97	.033	533.96	.044	582.97	.052	631.96	.072	680.96	.089	729.96	.084
436.97	.02	485.96	.033	534.97	.044	583.96	.053	632.97	.072	681.96	.091	730.97	.082
437.96	.02	486.97	.033	535.96	.044	584.97	.053	633.96	.073	682.96	.089	731.96	.081
438.97	.02	487.96	.034	536.97	.044	585.96	.055	634.97	.072	683.96	.089	732.97	.082
439.96	.021	488.97	.034	537.96	.044	586.97	.055	635.96	.073	684.97	.09	733.96	.084
440.96	.02	489.96	.034	538.96	.044	587.96	.056	636.97	.073	685.96	.091	734.96	.081
441.96	.021	490.97	.034	539.96	.044	588.97	.056	637.96	.075	686.97	.09	735.96	.081
442.97	.021	491.96	.035	540.97	.044	589.96	.057	638.97	.075	687.96	.091	736.97	.081
443.96	.021	492.96	.035	541.96	.045	590.97	.057	639.96	.075	688.96	.091	737.96	.082
444.97	.02	493.96	.035	542.97	.044	591.96	.057	640.97	.075	689.96	.093	738.97	.081
445.96	.021	494.96	.034	543.96	.044	592.97	.058	641.96	.076	690.96	.092	739.96	.089
446.97	.021	495.96	.035	544.97	.044	593.96	.059	642.97	.075	691.96	.092	740.96	.089
447.96	.021	496.97	.035	545.96	.045	594.97	.059	643.96	.076	692.97	.092	741.96	..
448.96	.021	497.96	.036	546.97	.044	595.96	.06	644.96	.077	693.96	.093	742.97	.097
449.96	.022	498.97	.036	547.96	.044	596.97	.06	645.96	.077	694.97	.092	743.96	.096
												744.97	.096
												745.96	.096
												746.97	.094
												747.96	.091
												748.97	.091
												749.96	.093

00.68	1.666	458.68	.728	499.68	.511	548.68	.598	597.68	.407	646.68	.185	695.68	.127
03.05	1.613	451.68	.714	500.68	.513	549.68	.597	598.68	.401	647.68	.183	696.68	.126
03.68	1.613	452.68	.7	501.68	.517	550.68	.597	599.68	.396	648.68	.179	697.68	.126
04.68	1.593	453.68	.687	502.68	.519	551.68	.598	600.68	.389	649.68	.176	698.68	.126
05.68	1.571	454.68	.673	503.68	.522	552.68	.596	601.68	.383	650.68	.173	699.68	.127
06.68	1.552	455.68	.664	504.68	.525	553.68	.595	602.68	.378	651.68	.17	700.68	.126
07.68	1.537	456.68	.652	505.68	.529	554.69	.594	603.68	.372	652.68	.167	701.68	.126
08.68	1.515	457.68	.64	506.68	.532	555.68	.593	604.68	.365	653.68	.165	702.68	.127
09.68	1.496	458.68	.63	507.68	.536	556.68	.591	605.68	.36	654.68	.163	703.68	.127
10.68	1.475	459.68	.618	508.68	.539	557.68	.589	606.68	.354	655.68	.161	704.68	.127
11.68	1.453	460.68	.609	509.68	.541	558.68	.587	607.68	.349	656.68	.159	705.68	.128
12.68	1.431	461.68	.602	510.68	.544	559.68	.586	608.68	.343	657.68	.156	706.68	.129
13.68	1.416	462.68	.592	511.68	.547	560.68	.583	609.68	.338	658.69	.154	707.68	.126
14.68	1.394	463.68	.584	512.68	.55	561.68	.579	610.68	.332	659.68	.154	708.68	.119
15.68	1.374	464.68	.575	513.68	.552	562.68	.576	611.68	.327	660.68	.151	709.68	.117
16.68	1.353	465.68	.568	514.68	.553	563.68	.575	612.68	.322	661.68	.149	710.68	.116
17.68	1.33	466.68	.56	515.68	.555	564.68	.57	613.68	.314	662.68	.148	711.68	.115
18.68	1.311	467.68	.555	516.68	.555	565.68	.567	614.68	.311	663.68	.147	712.68	.113
19.68	1.292	468.68	.548	517.68	.556	566.68	.564	615.68	.306	664.68	.144	713.68	.112
20.68	1.271	469.68	.542	518.68	.557	567.68	.561	616.68	.301	665.68	.143	714.68	.109
21.68	1.251	470.68	.537	519.68	.559	568.69	.557	617.68	.296	666.68	.142	715.68	.107
22.68	1.23	471.68	.532	520.68	.561	569.68	.554	618.68	.291	667.68	.142	716.68	.107
23.68	1.208	472.68	.527	521.68	.562	570.68	.55	619.68	.287	668.68	.14	717.68	.108
24.68	1.187	473.68	.524	522.68	.562	571.68	.547	620.68	.282	669.68	.138	718.68	.112
25.68	1.171	474.68	.521	523.68	.565	572.68	.542	621.68	.279	670.68	.137	719.68	.114
26.68	1.149	475.68	.519	524.68	.566	573.68	.537	622.68	.273	671.68	.137	720.68	.116
27.68	1.13	476.68	.514	525.68	.568	574.69	.533	623.68	.269	672.68	.135	721.68	.119
28.68	1.109	477.68	.512	526.68	.57	575.68	.531	624.68	.264	673.68	.134	722.68	.121
29.68	1.088	478.68	.509	527.68	.574	576.68	.526	625.68	.26	674.68	.134	723.68	.124
30.68	1.068	479.68	.508	528.68	.576	577.68	.522	626.68	.255	675.68	.134	724.68	.124
31.68	1.053	480.68	.505	529.68	.578	578.68	.517	627.68	.252	676.68	.132	725.68	.125
32.68	1.033	481.68	.504	530.68	.581	579.68	.513	628.68	.247	677.68	.132	726.68	.127
33.68	1.014	482.68	.503	531.68	.584	580.68	.506	629.68	.244	678.68	.132	727.68	.129
34.68	.995	483.68	.501	532.68	.587	581.68	.503	630.68	.24	679.68	.131	728.68	.129
35.68	.974	484.68	.501	533.68	.589	582.68	.497	631.68	.238	680.68	.13	729.68	.129
36.68	.956	485.68	.501	534.68	.589	583.68	.492	632.68	.233	681.68	.13	730.68	.13
37.68	.941	486.68	.501	535.68	.591	584.68	.486	633.68	.23	682.68	.129	731.68	.132
38.68	.922	487.68	.5	536.68	.592	585.68	.48	634.68	.226	683.68	.13	732.68	.131
39.68	.905	488.68	.5	537.68	.593	586.69	.474	635.68	.222	684.68	.128	733.68	.129
40.68	.886	489.68	.499	538.68	.593	587.68	.47	636.68	.219	685.68	.127	734.68	.132
41.68	.867	490.68	.5	539.68	.595	588.68	.463	637.68	.214	686.68	.127	735.68	.134
42.68	.85	491.68	.501	540.68	.595	589.68	.458	638.68	.211	687.68	.128	736.68	.132
43.68	.836	492.68	.5	541.68	.595	590.68	.452	639.68	.209	688.68	.127	737.68	.132
44.68	.818	493.68	.502	542.68	.595	591.68	.445	640.68	.204	689.68	.126	738.68	.132
45.68	.802	494.68	.503	543.68	.596	592.68	.439	641.68	.201	690.68	.127	739.68	.134
46.68	.786	495.68	.504	544.68	.597	593.68	.433	642.68	.198	691.68	.128	740.68	.133
47.68	.769	496.68	.504	545.68	.597	594.68	.427	643.68	.195	692.68	.126	741.68	.132
48.68	.754	497.68	.507	546.68	.597	595.68	.421	644.68	.192	693.68	.126	742.68	.134
49.68	.743	498.68	.508	547.68	.597	596.68	.414	645.68	.188	694.68	.127	743.68	.135
												744.68	.133
												745.68	.133
												746.68	.135
												747.68	.135
												748.68	.134
												749.68	.134

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000.16	1.688	450.15	.652	499.16	.362	540.15	.643	597.16	.48	646.15	.167	695.16	.113
002.52	1.554	451.16	.635	500.16	.366	549.16	.649	598.15	.469	647.16	.165	696.15	.115
003.16	1.554	452.16	.62	501.15	.371	550.16	.655	599.16	.46	648.15	.163	697.16	.114
004.15	1.536	453.16	.605	502.16	.376	551.16	.662	600.15	.453	649.16	.159	698.15	.114
005.16	1.516	454.16	.588	503.16	.382	552.15	.667	601.16	.442	650.15	.156	699.16	.115
006.16	1.495	455.16	.576	504.16	.387	553.16	.672	602.15	.432	651.16	.154	700.16	.116
007.16	1.477	456.16	.564	505.16	.393	554.15	.677	603.16	.423	652.15	.152	701.16	.115
008.15	1.462	457.16	.549	506.16	.399	555.16	.681	604.15	.414	653.16	.149	702.15	.116
009.16	1.438	458.15	.537	507.16	.406	556.16	.686	605.16	.405	654.16	.146	703.16	.116
010.15	1.421	459.16	.523	508.15	.412	557.16	.688	606.15	.397	655.16	.145	704.15	.117
011.16	1.4	460.15	.509	509.16	.418	558.15	.69	607.16	.388	656.16	.144	705.16	.117
012.15	1.378	461.16	.498	510.16	.424	559.16	.694	608.16	.381	657.16	.14	706.15	.119
013.16	1.357	462.15	.489	511.16	.432	560.16	.696	609.16	.372	658.16	.138	707.16	.117
014.15	1.342	463.16	.477	512.15	.437	561.16	.697	610.15	.363	659.16	.136	708.15	.111
015.16	1.321	464.15	.466	513.16	.444	562.15	.699	611.16	.355	660.16	.135	709.16	.108
016.15	1.299	465.16	.455	514.15	.45	563.16	.699	612.16	.349	661.16	.133	710.16	.107
017.16	1.278	466.16	.445	515.16	.454	564.15	.699	613.16	.34	662.15	.132	711.16	.105
018.16	1.257	467.16	.436	516.15	.459	565.16	.699	614.15	.333	663.16	.131	712.16	.103
019.16	1.236	468.15	.429	517.16	.462	566.15	.697	615.16	.325	664.15	.129	713.16	.102
020.16	1.219	469.16	.418	518.16	.463	567.16	.695	616.15	.318	665.16	.126	714.15	.103
021.16	1.198	470.16	.41	519.16	.466	568.15	.694	617.16	.311	666.16	.125	715.16	.101
022.15	1.177	471.16	.403	520.15	.467	569.16	.692	618.15	.305	667.16	.125	716.15	.101
023.15	1.155	472.15	.395	521.16	.468	570.16	.69	619.16	.297	668.15	.125	717.16	.102
024.15	1.132	473.16	.387	522.16	.471	571.16	.686	620.16	.293	669.16	.123	718.15	.104
025.16	1.114	474.15	.382	523.16	.474	572.15	.684	621.16	.286	670.16	.125	719.16	.106
026.15	1.097	475.16	.376	524.16	.479	573.16	.679	622.16	.278	671.16	.121	720.15	.108
027.16	1.075	476.15	.37	525.16	.483	574.16	.673	623.16	.273	672.15	.122	721.16	.11
028.15	1.055	477.16	.365	526.15	.488	575.16	.669	624.15	.268	673.16	.12	722.15	.111
029.15	1.035	478.15	.36	527.16	.494	576.16	.665	625.16	.262	674.15	.119	723.16	.114
030.15	1.011	479.16	.356	528.15	.5	577.16	.657	626.15	.257	675.16	.118	724.15	.117
031.16	.993	480.15	.354	529.16	.506	578.15	.651	627.16	.251	676.15	.118	725.16	.118
032.15	.978	481.16	.35	530.16	.513	579.16	.645	628.16	.246	677.16	.117	726.16	.119
033.16	.956	482.15	.347	531.16	.52	580.15	.637	629.16	.24	678.16	.117	727.16	.121
034.16	.938	483.16	.344	532.15	.528	581.16	.629	630.15	.234	679.16	.116	728.16	.123
035.16	.917	484.16	.343	533.16	.534	582.15	.621	631.16	.23	680.15	.116	729.16	.121
036.15	.897	485.16	.341	534.15	.541	583.16	.613	632.15	.226	681.16	.115	730.16	.122
037.16	.878	486.15	.341	535.16	.548	584.15	.605	633.16	.22	682.15	.115	731.16	.123
038.16	.862	487.16	.34	536.16	.554	585.16	.595	634.15	.215	683.16	.115	732.16	.125
039.16	.842	488.15	.34	537.16	.561	586.16	.585	635.16	.211	684.15	.115	733.16	.124
040.15	.825	489.16	.339	538.16	.57	587.16	.577	636.16	.208	685.16	.114	734.15	.124
041.16	.804	490.16	.34	539.16	.576	588.16	.569	637.16	.203	686.15	.115	735.16	.125
042.15	.785	491.16	.342	540.16	.584	589.16	.558	638.16	.198	687.16	.114	736.16	.126
043.16	.767	492.16	.342	541.16	.591	590.16	.549	639.16	.194	688.16	.114	737.16	.126
044.15	.753	493.16	.344	542.16	.599	591.16	.539	640.16	.19	689.16	.114	738.16	.125
045.16	.734	494.15	.346	543.16	.607	592.15	.528	641.16	.186	690.16	.113	739.16	.126
046.16	.717	495.16	.349	544.16	.616	593.16	.518	642.16	.182	691.16	.114	740.16	.128
047.16	.699	496.15	.352	545.16	.621	594.16	.509	643.16	.179	692.16	.114	741.16	.126
048.15	.68	497.16	.354	546.15	.629	595.16	.499	644.15	.176	693.16	.114	742.15	.126
049.16	.665	498.16	.358	547.16	.636	596.16	.49	645.16	.172	694.16	.114	743.16	.128
												744.16	.128
												745.16	.128
												746.16	.128
												747.16	.129
												748.15	.13
												749.16	.13

400.65	1.785	450.65	.648	499.65	.384	540.65	.433	597.65	.874	646.65	2.335	695.65	3.074
403.14	1.633	451.65	.635	500.65	.383	549.65	.44	598.65	.39	647.65	2.307	696.65	3.072
403.65	1.633	452.65	.624	501.65	.383	550.65	.447	599.65	.905	648.65	2.286	697.65	3.055
404.65	1.607	453.65	.612	502.65	.383	551.65	.453	600.65	.923	649.65	2.278	698.65	3.052
405.65	1.58	454.65	.6	503.65	.383	552.65	.458	601.65	.943	650.65	2.277	699.65	3.035
406.65	1.552	455.65	.591	504.65	.382	553.65	.466	602.65	.964	651.65	2.287	700.65	3.007
407.65	1.531	456.65	.58	505.65	.382	554.65	.473	603.65	.989	652.66	2.31	701.65	2.978
408.65	1.506	457.65	.571	506.65	.382	555.65	.482	604.65	1.015	653.65	2.335	702.65	2.948
409.65	1.482	458.65	.561	507.65	.382	556.66	.489	605.65	1.039	654.66	2.369	703.65	2.916
410.65	1.454	459.65	.55	508.65	.381	557.65	.496	606.65	1.069	655.65	2.414	704.65	2.855
411.65	1.424	460.65	.54	509.65	.382	558.65	.505	607.65	1.107	656.65	2.459	705.65	2.783
412.65	1.399	461.65	.533	510.65	.381	559.65	.515	608.65	1.148	657.65	2.513	706.66	2.699
413.65	1.378	462.65	.524	511.65	.381	560.65	.524	609.65	1.202	658.66	2.574	707.65	2.619
414.65	1.352	463.65	.516	512.65	.38	561.65	.535	610.65	1.261	659.65	2.625	708.65	2.513
415.65	1.325	464.65	.507	513.65	.381	562.65	.546	611.65	1.314	660.66	2.693	709.65	2.403
416.65	1.299	465.65	.499	514.65	.381	563.65	.556	612.65	1.376	661.65	2.752	710.66	2.288
417.65	1.273	466.65	.492	515.65	.382	564.65	.566	613.65	1.44	662.65	2.811	711.65	2.16
418.65	1.247	467.65	.486	516.65	.381	565.65	.579	614.65	1.496	663.65	2.876	712.65	2.026
419.65	1.228	468.65	.479	517.65	.381	566.65	.591	615.65	1.548	664.65	2.924	713.65	1.916
420.66	1.202	469.65	.472	518.65	.381	567.65	.604	616.65	1.593	665.65	2.957	714.65	1.802
421.65	1.178	470.65	.467	519.65	.382	568.65	.618	617.65	1.627	666.65	2.996	715.65	1.684
422.65	1.153	471.65	.46	520.65	.382	569.65	.628	618.65	1.668	667.65	3.026	716.65	1.578
423.65	1.128	472.65	.454	521.65	.382	570.65	.641	619.65	1.714	668.65	3.046	717.65	1.473
424.65	1.104	473.65	.449	522.65	.383	571.65	.655	620.65	1.759	669.65	3.061	718.65	1.375
425.65	1.086	474.65	.445	523.65	.384	572.65	.668	621.65	1.812	670.65	3.079	719.65	1.295
426.65	1.063	475.65	.439	524.65	.384	573.65	.682	622.65	1.866	671.65	3.071	720.65	1.215
427.65	1.041	476.65	.435	525.65	.386	574.65	.695	623.65	1.912	672.65	3.086	721.65	1.138
428.65	1.019	477.65	.43	526.65	.388	575.65	.705	624.65	1.969	673.65	3.088	722.65	1.068
429.65	.995	478.65	.426	527.65	.389	576.65	.717	625.65	2.031	674.65	3.09	723.65	1.001
430.65	.975	479.65	.423	528.65	.391	577.65	.727	626.65	2.094	675.65	3.087	724.65	.935
431.65	.958	480.65	.419	529.65	.393	578.65	.737	627.65	2.168	676.65	3.088	725.65	.883
432.65	.937	481.65	.415	530.65	.395	579.65	.747	628.65	2.24	677.65	3.09	726.65	.834
433.65	.918	482.65	.412	531.65	.396	580.65	.753	629.65	2.296	678.65	3.08	727.65	.786
434.65	.898	483.65	.408	532.65	.397	581.65	.759	630.65	2.355	679.65	3.079	728.65	.741
435.65	.877	484.65	.405	533.65	.398	582.65	.764	631.65	2.407	680.65	3.078	729.65	.697
436.65	.858	485.65	.403	534.65	.399	583.65	.77	632.65	2.453	681.65	3.081	730.65	.657
437.65	.844	486.65	.4	535.65	.401	584.65	.774	633.65	2.49	682.65	3.077	731.65	.627
438.65	.825	487.65	.398	536.65	.4	585.65	.778	634.65	2.521	683.65	3.08	732.65	.595
439.65	.808	488.65	.396	537.65	.403	586.65	.784	635.65	2.537	684.65	3.079	733.65	.565
440.65	.79	489.65	.394	538.65	.404	587.65	.788	636.65	2.544	685.65	3.076	734.65	.538
441.65	.772	490.65	.392	539.65	.406	588.65	.792	637.65	2.538	686.66	3.091	735.65	.513
442.65	.756	491.65	.391	540.65	.407	589.65	.798	638.65	2.528	687.65	3.087	736.65	.489
443.65	.743	492.65	.389	541.65	.409	590.65	.804	639.65	2.506	688.65	3.097	737.65	.468
444.65	.727	493.65	.389	542.65	.411	591.65	.812	640.66	2.489	689.65	3.092	738.65	.448
445.65	.714	494.65	.388	543.65	.415	592.65	.819	641.65	2.473	690.65	3.09	739.65	.433
446.65	.699	495.65	.386	544.65	.418	593.65	.827	642.65	2.454	691.65	3.096	740.65	.415
447.65	.684	496.65	.385	545.65	.421	594.65	.837	643.65	2.429	692.66	3.083	741.65	.398
448.65	.669	497.65	.385	546.65	.425	595.65	.848	644.65	2.401	693.65	3.089	742.65	.385
449.65	.66	498.65	.384	547.65	.43	596.65	.859	645.65	2.365	694.65	3.083	743.65	.373
												744.65	.361
												745.65	.35
												746.65	.34
												747.65	.332
												748.65	.323
												749.65	.313

400.06	.396	458.06	.177	499.07	.103	548.05	.107	597.06	.096	646.06	.364	695.06	.223
402.41	.377	451.07	.175	500.06	.103	549.06	.107	598.05	.097	647.06	.353	696.05	.228
403.07	.377	452.06	.172	501.06	.102	550.06	.106	599.06	.1	648.06	.344	697.06	.233
404.06	.372	453.07	.169	502.06	.103	551.06	.107	600.05	.1	649.06	.336	698.05	.238
405.06	.367	454.06	.166	503.07	.103	552.06	.106	601.06	.104	650.05	.333	699.06	.239
406.06	.358	455.07	.163	504.06	.103	553.06	.106	602.06	.107	651.06	.332	700.05	.236
407.07	.353	456.06	.16	505.06	.103	554.06	.105	603.06	.11	652.06	.333	701.06	.231
408.06	.348	457.07	.159	506.06	.102	555.06	.105	604.06	.113	653.06	.336	702.05	.224
409.07	.343	458.06	.156	507.06	.102	556.06	.104	605.06	.117	654.06	.341	703.06	.215
410.05	.337	459.07	.153	508.06	.102	557.07	.103	606.06	.12	655.07	.35	704.06	.209
411.06	.331	460.06	.148	509.07	.102	558.06	.102	607.06	.126	656.06	.358	705.07	.201
412.06	.326	461.07	.149	510.06	.101	559.06	.102	608.06	.131	657.06	.369	706.06	.203
413.07	.322	462.06	.146	511.06	.101	560.06	.101	609.06	.138	658.06	.384	707.06	.204
414.06	.317	463.07	.144	512.06	.1	561.06	.1	610.05	.148	659.06	.399	708.06	.212
415.07	.311	464.06	.142	513.06	.1	562.06	.1	611.06	.159	660.06	.412	709.06	.206
416.06	.308	465.07	.139	514.06	.101	563.06	.1	612.06	.169	661.06	.43	710.06	.209
417.07	.303	466.06	.137	515.07	.101	564.06	.099	613.06	.181	662.06	.447	711.06	.202
418.06	.297	467.07	.136	516.06	.1	565.06	.098	614.06	.193	663.06	.467	712.06	.204
419.07	.293	468.06	.133	517.07	.101	566.06	.097	615.06	.205	664.06	.486	713.06	.209
420.06	.289	469.07	.132	518.06	.1	567.06	.098	616.06	.213	665.06	.501	714.06	.207
421.07	.286	470.06	.13	519.07	.1	568.06	.096	617.06	.219	666.06	.516	715.06	.204
422.06	.281	471.07	.129	520.06	.1	569.07	.096	618.05	.224	667.06	.53	716.06	.202
423.06	.276	472.06	.126	521.06	.1	570.06	.095	619.06	.232	668.06	.54	717.06	.203
424.06	.272	473.07	.125	522.06	.1	571.06	.095	620.06	.238	669.06	.547	718.06	.202
425.07	.268	474.06	.124	523.07	.101	572.06	.095	621.07	.246	670.05	.553	719.06	.207
426.06	.264	475.06	.122	524.06	.101	573.07	.094	622.06	.255	671.06	.558	720.06	.202
427.06	.26	476.06	.121	525.06	.101	574.06	.094	623.06	.265	672.06	.56	721.06	.208
428.05	.256	477.06	.118	526.06	.102	575.06	.094	624.06	.273	673.07	.56	722.06	.215
429.06	.252	478.06	.117	527.06	.103	576.06	.094	625.07	.284	674.06	.559	723.07	.203
430.06	.248	479.06	.116	528.06	.104	577.06	.093	626.06	.297	675.07	.559	724.06	.202
431.07	.245	480.06	.115	529.06	.104	578.05	.093	627.06	.313	676.06	.556	725.07	.208
432.06	.242	481.06	.113	530.06	.105	579.06	.093	628.06	.329	677.06	.553	726.06	.203
433.07	.238	482.06	.112	531.06	.107	580.06	.093	629.06	.344	678.06	.552	727.06	.204
434.06	.234	483.06	.111	532.06	.106	581.06	.092	630.05	.359	679.06	.55	728.06	.206
435.06	.23	484.06	.11	533.06	.107	582.06	.092	631.06	.375	680.06	.547	729.06	.207
436.06	.226	485.07	.11	534.06	.107	583.06	.093	632.06	.387	681.07	.546	730.06	.202
437.07	.222	486.06	.109	535.07	.108	584.06	.092	633.06	.4	682.05	.545	731.06	.205
438.06	.219	487.06	.108	536.06	.109	585.06	.091	634.06	.411	683.06	.547	732.06	.209
439.07	.215	488.06	.107	537.07	.108	586.06	.092	635.06	.419	684.06	.548	733.06	.204
440.06	.212	489.07	.107	538.06	.108	587.06	.092	636.06	.424	685.06	.55	734.05	.201
441.06	.208	490.06	.106	539.06	.109	588.06	.092	637.06	.426	686.06	.554	735.06	.208
442.06	.203	491.07	.106	540.06	.108	589.07	.091	638.06	.424	687.06	.559	736.06	.203
443.07	.201	492.06	.105	541.07	.109	590.06	.091	639.07	.42	688.06	.565	737.06	.208
444.06	.197	493.06	.105	542.06	.108	591.06	.092	640.06	.412	689.06	.572	738.06	.208
445.07	.194	494.06	.104	543.07	.109	592.06	.092	641.06	.405	690.06	.579	739.06	.206
446.06	.19	495.06	.104	544.06	.107	593.06	.092	642.06	.399	691.07	.588	740.06	.203
447.07	.187	496.06	.103	545.06	.108	594.06	.093	643.07	.392	692.06	.595	741.06	.2
448.06	.182	497.06	.104	546.06	.108	595.06	.094	644.05	.384	693.07	.605	742.06	.098
449.07	.18	498.06	.103	547.06	.108	596.05	.094	645.07	.375	694.06	.614	743.07	.099
												744.06	.097
												745.07	.095
												746.06	.095
												747.06	.096
												748.05	.094
												749.06	.093

400.36	1.105	451.36	.543	501.36	.316	551.36	.292	601.35	.249	650.35	.473	700.36	.72
402.72	1.058	452.36	.536	502.36	.313	552.36	.291	602.36	.259	651.35	.473	701.35	.715
403.36	1.058	453.36	.527	503.36	.312	553.36	.289	603.35	.254	652.36	.475	702.35	.707
404.36	1.044	454.36	.52	504.36	.31	554.36	.288	604.36	.259	653.36	.477	703.35	.697
405.36	1.028	455.36	.512	505.36	.309	555.36	.287	605.35	.262	654.36	.481	704.36	.686
406.36	1.013	456.36	.506	506.36	.309	556.36	.285	606.36	.265	655.35	.489	705.35	.668
407.36	1.001	457.36	.498	507.36	.307	557.36	.284	607.36	.271	656.36	.497	706.36	.651
408.36	.989	458.36	.492	508.36	.307	558.36	.283	608.36	.278	657.35	.508	707.36	.629
409.36	.974	459.36	.484	509.36	.306	559.36	.281	609.36	.286	658.36	.521	708.36	.603
410.36	.962	460.36	.477	510.36	.305	560.36	.28	610.35	.296	659.36	.533	709.36	.578
411.36	.948	461.35	.47	511.36	.303	561.36	.278	611.35	.305	660.35	.547	710.36	.555
412.36	.935	462.36	.465	512.36	.303	562.36	.276	612.35	.317	661.35	.562	711.35	.529
413.36	.923	463.36	.458	513.35	.3	563.36	.275	613.35	.329	662.36	.579	712.36	.503
414.36	.915	464.36	.452	514.36	.299	564.36	.274	614.35	.339	663.35	.596	713.35	.48
415.36	.9	465.36	.446	515.36	.299	565.35	.272	615.08	.348	664.36	.614	714.35	.46
416.36	.89	466.36	.44	516.36	.298	566.36	.27	615.35	.348	665.35	.627	715.35	.437
417.36	.876	467.36	.433	517.36	.296	567.36	.267	616.35	.358	666.35	.639	716.35	.417
418.36	.864	468.36	.43	518.36	.296	568.36	.267	617.35	.363	667.35	.651	717.35	.396
419.36	.855	469.36	.424	519.36	.295	569.36	.265	618.35	.368	668.36	.661	718.36	.377
420.36	.845	470.36	.419	520.36	.295	570.36	.263	619.35	.376	669.35	.667	719.35	.362
421.36	.832	471.36	.414	521.36	.294	571.35	.261	620.36	.385	670.36	.671	720.35	.347
422.36	.823	472.36	.409	522.36	.294	572.36	.26	621.35	.393	671.36	.674	721.35	.332
423.36	.809	473.36	.405	523.36	.293	573.36	.258	622.36	.401	672.36	.675	722.35	.319
424.36	.799	474.36	.401	524.36	.293	574.36	.256	623.35	.41	673.35	.675	723.36	.306
425.36	.788	475.35	.396	525.36	.293	575.36	.255	624.36	.421	674.36	.673	724.36	.291
426.36	.78	476.36	.393	526.36	.293	576.36	.255	625.36	.432	675.35	.671	725.35	.283
427.36	.769	477.36	.387	527.36	.292	577.36	.253	626.35	.443	676.36	.669	726.36	.273
428.36	.758	478.36	.384	528.36	.294	578.36	.251	627.35	.459	677.35	.665	727.35	.263
429.36	.747	479.36	.379	529.36	.294	579.35	.25	628.36	.477	678.36	.661	728.35	.257
430.36	.736	480.36	.376	530.36	.295	580.36	.248	629.35	.491	679.35	.658	729.35	.247
431.36	.727	481.36	.372	531.36	.295	581.35	.248	630.35	.505	680.35	.656	730.35	.238
432.36	.718	482.36	.369	532.36	.296	582.35	.246	631.35	.519	681.35	.652	731.35	.233
433.36	.708	483.36	.365	533.36	.296	583.36	.245	632.35	.532	682.35	.651	732.35	.229
434.36	.699	484.36	.361	534.36	.296	584.36	.244	633.35	.542	683.35	.65	733.35	.221
435.36	.688	485.36	.358	535.36	.296	585.35	.243	634.36	.553	684.35	.651	734.35	.216
436.36	.678	486.36	.356	536.36	.297	586.36	.241	635.36	.559	685.35	.652	735.35	.212
437.36	.668	487.36	.352	537.36	.297	587.36	.241	636.36	.564	686.36	.654	736.35	.209
438.36	.66	488.36	.349	538.36	.298	588.36	.241	637.35	.565	687.36	.657	737.35	.203
439.36	.65	489.36	.345	539.36	.296	589.36	.239	638.36	.562	688.36	.663	738.36	.2
440.36	.641	490.36	.343	540.36	.297	590.36	.239	639.36	.558	689.35	.667	739.36	.196
441.36	.631	491.36	.339	541.36	.297	591.35	.24	640.36	.552	690.36	.672	740.35	.196
442.36	.621	492.36	.337	542.36	.297	592.36	.239	641.36	.546	691.36	.68	741.36	.191
443.36	.613	493.36	.334	543.36	.297	593.35	.239	642.36	.539	692.36	.688	742.36	.187
444.36	.605	494.36	.331	544.36	.297	594.35	.239	643.36	.533	693.36	.693	743.36	.186
445.36	.594	495.35	.329	545.35	.296	595.35	.239	644.35	.525	694.36	.702	744.36	.185
446.36	.589	496.36	.327	546.36	.295	596.36	.24	645.35	.514	695.35	.708	745.36	.183
447.36	.576	497.36	.324	547.35	.295	597.35	.241	646.36	.502	696.35	.715	746.35	.183
448.36	.567	498.36	.323	548.36	.294	598.35	.243	647.35	.493	697.35	.719	747.35	.182
449.36	.56	499.36	.321	549.36	.293	599.35	.244	648.35	.484	698.36	.721	748.35	.184
450.36	.553	500.36	.319	550.36	.292	600.36	.246	649.35	.477	699.35	.72	749.35	.183

400.02	3E-03	450.01	.015	499.02	.023	540.01	.020	597.02	.037	646.02	.053	695.02	.060
402.37	4E-03	451.02	.015	500.02	.024	549.02	.027	598.01	.038	647.02	.053	696.01	.069
403.02	4E-03	452.02	.015	501.02	.023	550.01	.027	599.02	.030	648.01	.054	697.02	.060
404.02	4E-03	453.02	.015	502.02	.023	551.02	.027	600.01	.04	649.02	.054	698.01	.069
405.02	5E-03	454.02	.016	503.02	.024	552.02	.026	601.02	.039	650.01	.053	699.02	.07
406.02	6E-03	455.02	.016	504.02	.024	553.02	.026	602.02	.039	651.02	.054	700.01	.071
407.02	6E-03	456.02	.016	505.02	.023	554.02	.026	603.02	.04	652.01	.055	701.02	.07
408.02	6E-03	457.02	.016	506.02	.024	555.02	.026	604.01	.04	653.02	.055	702.01	.07
409.02	6E-03	458.02	.017	507.02	.025	556.02	.026	605.02	.04	654.02	.054	703.02	.072
410.02	7E-03	459.02	.017	508.02	.025	557.02	.026	606.02	.041	655.02	.056	704.01	.073
411.02	7E-03	460.01	.017	509.02	.025	558.01	.025	607.02	.041	656.02	.057	705.02	.072
412.02	7E-03	461.02	.016	510.02	.026	559.02	.026	608.02	.042	657.02	.056	706.01	.074
413.02	7E-03	462.01	.017	511.02	.026	560.01	.026	609.02	.041	658.02	.057	707.02	.072
414.02	8E-03	463.02	.010	512.02	.026	561.02	.026	610.02	.042	659.02	.056	708.01	.067
415.02	9E-03	464.02	.010	513.02	.024	562.01	.026	611.02	.042	660.02	.058	709.02	.064
416.02	8E-03	465.02	.010	514.01	.025	563.02	.026	612.01	.043	661.02	.058	710.01	.064
417.02	8E-03	466.02	.010	515.02	.026	564.01	.026	613.02	.042	662.01	.058	711.02	.062
418.02	9E-03	467.02	.019	516.02	.026	565.02	.026	614.01	.042	663.02	.06	712.02	.061
419.02	9E-03	468.02	.019	517.02	.026	566.01	.025	615.02	.043	664.01	.059	713.02	.059
420.02	.01	469.02	.019	518.02	.026	567.02	.025	616.01	.043	665.02	.06	714.01	.06
421.02	9E-03	470.02	.019	519.02	.026	568.01	.026	617.02	.043	666.01	.059	715.02	.058
422.02	.011	471.02	.02	520.02	.026	569.02	.026	618.01	.044	667.02	.061	716.01	.058
423.02	.011	472.02	.02	521.02	.026	570.01	.027	619.02	.044	668.01	.061	717.02	.059
424.01	.011	473.02	.02	522.02	.026	571.02	.027	620.02	.045	669.02	.061	718.01	.062
425.02	.011	474.01	.021	523.02	.026	572.01	.027	621.02	.045	670.01	.061	719.02	.062
426.01	.012	475.02	.021	524.02	.027	573.02	.027	622.02	.046	671.02	.062	720.01	.065
427.02	.012	476.01	.021	525.02	.026	574.01	.020	623.02	.045	672.02	.063	721.02	.066
428.01	.013	477.02	.021	526.01	.027	575.02	.020	624.01	.046	673.02	.062	722.01	.069
429.02	.012	478.01	.021	527.02	.027	576.01	.029	625.02	.047	674.02	.062	723.02	.07
430.01	.013	479.02	.021	528.01	.027	577.02	.029	626.02	.047	675.02	.062	724.02	.073
431.02	.014	480.01	.021	529.02	.026	578.01	.03	627.02	.046	676.01	.063	725.02	.073
432.02	.014	481.02	.021	530.02	.027	579.02	.029	628.01	.040	677.02	.064	726.02	.074
433.02	.014	482.01	.022	531.02	.027	580.01	.03	629.02	.046	678.01	.064	727.02	.076
434.02	.016	483.02	.022	532.02	.020	581.02	.03	630.01	.040	679.02	.064	728.01	.070
435.02	.015	484.02	.021	533.02	.027	582.01	.031	631.02	.040	680.01	.065	729.02	.076
436.01	.016	485.02	.021	534.02	.027	583.02	.031	632.01	.040	681.02	.064	730.01	.077
437.02	.015	486.02	.021	535.02	.027	584.01	.033	633.02	.040	682.01	.064	731.02	.070
438.02	.016	487.02	.022	536.02	.027	585.02	.033	634.01	.049	683.02	.064	732.01	.08
439.02	.016	488.02	.022	537.02	.027	586.01	.033	635.02	.049	684.01	.067	733.02	.079
440.02	.016	489.02	.022	538.02	.027	587.02	.034	636.02	.05	685.02	.065	734.01	.070
441.02	.015	490.02	.022	539.02	.026	588.01	.034	637.02	.05	686.01	.065	735.02	.070
442.01	.016	491.02	.023	540.02	.027	589.02	.034	638.01	.05	687.02	.066	736.01	.079
443.02	.016	492.02	.023	541.02	.026	590.01	.035	639.02	.05	688.01	.067	737.02	.070
444.01	.016	493.02	.022	542.02	.027	591.02	.036	640.02	.052	689.02	.065	738.01	.074
445.02	.016	494.01	.024	543.02	.020	592.01	.036	641.02	.051	690.01	.066	739.02	.077
446.02	.014	495.02	.023	544.01	.020	593.02	.036	642.02	.052	691.02	.066	740.01	.070
447.02	.014	496.02	.023	545.02	.027	594.01	.037	643.02	.053	692.02	.068	741.02	.077
448.01	.014	497.02	.022	546.01	.027	595.02	.037	644.01	.054	693.02	.067	742.02	.076
449.02	.015	498.02	.023	547.02	.027	596.01	.030	645.02	.053	694.02	.067	743.02	.075
												744.02	.076
												745.02	.075
												746.02	.073
												747.02	.072
												748.01	.074
												749.02	.07

400.58	.364	451.57	.133	501.57	.115	551.57	.138	601.57	.092	651.57	.058	698.57	.061
402.94	.35	452.58	.13	502.58	.116	552.57	.138	602.58	.091	652.57	.058	699.57	.062
403.57	.35	453.57	.126	503.57	.117	553.57	.136	603.57	.09	653.57	.057	700.57	.064
404.58	.346	454.58	.125	504.58	.118	554.58	.137	604.58	.089	654.58	.057	701.57	.062
405.57	.34	455.57	.122	505.57	.118	555.57	.135	605.57	.087	655.57	.057	702.57	.062
406.58	.336	456.58	.121	506.57	.12	556.58	.135	606.57	.086	656.57	.058	703.57	.064
407.57	.332	457.57	.119	507.57	.12	557.57	.134	607.57	.086	657.57	.056	704.57	.065
408.58	.327	458.58	.115	508.57	.121	558.57	.134	608.58	.085	657.93	.057	705.57	.066
409.57	.321	459.57	.112	509.57	.121	559.56	.132	609.57	.083	658.58	.057	706.58	.067
410.57	.318	460.57	.107	510.57	.121	560.57	.133	610.57	.082	659.57	.057	707.57	.063
411.57	.311	461.57	.109	511.57	.122	561.57	.131	611.57	.081	660.58	.057	708.57	.058
412.58	.306	462.57	.108	512.57	.123	562.57	.13	612.57	.081	661.57	.056	709.57	.056
413.57	.301	463.57	.107	513.56	.123	563.57	.13	613.57	.079	662.57	.057	710.57	.056
414.58	.297	464.57	.105	514.57	.124	564.57	.129	614.57	.078	663.56	.056	711.57	.054
415.57	.291	465.57	.103	515.57	.124	565.56	.128	615.57	.077	664.57	.058	712.57	.052
416.57	.286	466.58	.101	516.58	.125	566.57	.127	616.57	.077	665.51	.057	713.57	.05
417.57	.28	467.57	.101	517.57	.125	567.57	.126	617.57	.075	665.77	.055	714.57	.051
418.58	.276	468.58	.1	518.58	.126	568.58	.126	618.57	.075	666.57	.055	715.56	.052
419.57	.269	469.57	.098	519.57	.127	569.57	.125	619.57	.074	667.57	.057	716.57	.052
420.58	.265	470.58	.096	520.58	.128	570.58	.124	620.57	.074	667.92	.057	717.56	.053
421.57	.26	471.57	.098	521.57	.127	571.57	.123	621.57	.072	668.57	.057	718.57	.054
422.57	.255	472.58	.099	522.58	.128	572.57	.123	622.58	.072	669.57	.057	719.57	.056
423.57	.249	473.57	.095	523.57	.129	573.57	.12	623.57	.072	670.57	.056	720.57	.055
424.58	.244	474.57	.095	524.57	.131	574.58	.12	624.57	.071	671.57	.057	721.56	.06
425.57	.24	475.57	.095	525.57	.131	575.57	.119	625.57	.069	672.58	.058	722.57	.062
426.57	.235	476.57	.095	526.57	.132	576.58	.119	626.57	.069	673.57	.056	723.57	.065
427.57	.23	477.57	.096	527.57	.132	577.57	.117	627.57	.068	674.58	.057	724.57	.067
428.57	.225	478.58	.095	528.57	.134	578.57	.116	628.57	.068	675.57	.057	725.57	.067
429.57	.22	479.57	.096	529.56	.134	579.56	.115	629.57	.067	676.57	.058	726.58	.068
430.58	.215	480.57	.097	530.57	.135	580.57	.115	630.57	.066	677.57	.057	727.57	.069
431.57	.211	481.57	.097	531.57	.136	581.57	.114	631.56	.066	678.57	.057	728.57	.072
432.58	.207	482.58	.099	532.57	.137	582.57	.113	632.57	.066	679.57	.057	729.57	.071
433.57	.202	483.57	.098	533.57	.136	583.57	.112	633.57	.065	680.57	.058	730.57	.07
434.57	.198	484.58	.1	534.57	.137	584.57	.112	634.58	.064	681.57	.058	731.57	.072
435.57	.193	485.57	.099	535.57	.138	585.57	.11	635.57	.064	682.57	.058	732.57	.074
436.58	.19	486.58	.1	536.57	.139	586.58	.109	636.57	.064	683.57	.059	733.57	.073
437.57	.185	487.57	.101	537.57	.138	587.57	.108	637.57	.063	684.57	.06	734.57	.072
438.58	.18	488.58	.103	538.57	.138	588.58	.107	638.58	.062	685.57	.058	735.57	.073
439.57	.174	489.57	.103	539.57	.138	589.57	.106	639.57	.062	686.58	.058	736.57	.075
440.57	.172	490.58	.104	540.57	.14	590.58	.104	640.58	.062	687.57	.059	737.57	.074
441.57	.168	491.57	.105	541.57	.138	591.57	.104	641.57	.061	688.57	.061	738.58	.072
442.57	.164	492.57	.106	542.57	.139	592.57	.103	642.57	.061	689.57	.059	739.57	.074
443.57	.16	493.56	.106	543.57	.139	593.57	.101	643.57	.06	690.57	.06	740.58	.076
444.57	.157	494.57	.109	544.57	.139	594.57	.1	644.57	.061	691.57	.06	741.57	.074
445.57	.152	495.56	.109	545.57	.139	595.57	.099	645.57	.06	692.58	.061	742.58	.073
446.57	.149	496.57	.109	546.57	.139	596.57	.098	646.57	.06	693.57	.06	743.57	.074
447.57	.145	497.57	.111	547.56	.139	597.56	.096	647.57	.059	694.57	.06	744.58	.076
448.58	.142	498.58	.112	548.57	.139	598.57	.095	648.57	.059	695.56	.062	745.57	.073
449.57	.139	499.57	.113	549.57	.138	599.57	.094	649.57	.058	696.57	.062	746.57	.073
450.58	.136	500.57	.114	550.57	.139	600.57	.094	650.57	.058	697.57	.062	747.57	.074
												748.57	.076
												749.56	.074



400.35	.649	450.35	.281	499.35	.183	548.35	.288	597.35	.234	646.35	.116	695.35	.899
402.71	.625	451.36	.274	500.35	.185	549.35	.291	598.35	.23	647.35	.115	696.35	.899
403.35	.625	452.35	.269	501.35	.187	550.35	.295	599.35	.227	648.35	.115	697.35	.1
404.35	.618	453.36	.262	502.35	.19	551.35	.295	600.35	.224	649.35	.113	698.35	.1
405.35	.609	454.35	.258	503.35	.192	552.35	.297	601.35	.219	650.35	.112	699.35	.899
406.35	.601	455.35	.253	504.35	.194	553.35	.298	602.35	.216	651.35	.111	700.35	.101
407.35	.594	456.35	.249	505.35	.196	554.35	.301	603.35	.213	652.35	.11	701.35	.899
408.35	.587	457.35	.243	506.35	.199	555.36	.302	604.35	.209	653.35	.109	702.35	.101
409.35	.577	458.35	.239	507.35	.201	556.35	.304	605.35	.205	654.35	.108	703.35	.101
410.35	.571	459.35	.234	508.35	.204	557.35	.304	606.35	.203	655.35	.108	704.35	.102
411.35	.561	460.35	.23	509.35	.206	558.35	.305	607.36	.199	656.35	.107	705.35	.103
412.35	.553	461.35	.225	510.35	.208	559.35	.306	608.35	.196	657.35	.105	706.35	.104
413.35	.546	462.35	.222	511.35	.21	560.35	.308	609.35	.193	658.35	.105	707.35	.101
414.35	.54	463.35	.219	512.35	.213	561.35	.307	610.35	.189	659.35	.105	708.35	.896
415.35	.531	464.35	.214	513.35	.215	562.35	.307	611.35	.187	660.35	.105	709.35	.892
416.35	.523	465.35	.21	514.35	.217	563.35	.308	612.35	.184	661.35	.103	710.35	.892
417.35	.513	466.35	.207	515.35	.219	564.35	.309	613.35	.18	662.35	.103	711.35	.89
418.35	.504	467.35	.204	516.35	.22	565.35	.308	614.35	.178	663.35	.103	712.35	.889
419.35	.498	468.35	.201	517.35	.221	566.35	.308	615.35	.175	664.35	.103	713.35	.888
420.35	.492	469.35	.198	518.35	.223	567.35	.307	616.35	.173	665.35	.101	714.35	.888
421.36	.483	470.35	.195	519.35	.223	568.35	.309	617.35	.169	666.35	.101	715.35	.888
422.35	.476	471.35	.192	520.35	.225	569.35	.306	618.35	.167	667.35	.101	716.35	.887
423.35	.466	472.35	.19	521.35	.226	570.35	.307	619.35	.164	668.35	.101	717.35	.888
424.35	.458	473.35	.188	522.35	.227	571.35	.306	620.35	.162	669.35	.101	718.35	.89
425.35	.452	474.35	.186	523.35	.228	572.35	.305	621.36	.16	670.35	.899	719.35	.892
426.35	.446	475.35	.184	524.35	.229	573.35	.303	622.35	.156	671.35	.1	720.35	.894
427.35	.437	476.35	.181	525.35	.232	574.35	.301	623.35	.155	672.35	.101	721.35	.895
428.34	.428	477.35	.179	526.35	.233	575.35	.301	624.35	.154	673.35	.899	722.35	.898
429.35	.421	478.35	.178	527.35	.236	576.35	.299	625.35	.151	674.35	.899	723.35	.899
430.35	.414	479.35	.176	528.35	.238	577.35	.297	626.35	.148	675.35	.899	724.35	.102
431.35	.407	480.35	.176	529.35	.24	578.35	.294	627.35	.147	676.35	.1	725.35	.102
432.35	.4	481.35	.175	530.35	.242	579.35	.292	628.35	.145	677.35	.898	726.35	.102
433.36	.393	482.35	.174	531.35	.246	580.35	.291	629.35	.143	678.35	.898	727.35	.104
434.35	.386	483.35	.172	532.35	.248	581.35	.289	630.35	.141	679.35	.898	728.35	.107
435.35	.377	484.35	.173	533.35	.251	582.35	.286	631.35	.138	680.35	.899	729.35	.106
436.35	.371	485.35	.172	534.35	.252	583.35	.282	632.35	.138	681.35	.898	730.35	.106
437.35	.364	486.35	.172	535.36	.255	584.35	.28	633.35	.135	682.35	.898	731.35	.107
438.35	.358	487.35	.172	536.35	.258	585.35	.277	634.35	.133	683.35	.898	732.35	.11
439.35	.35	488.35	.173	537.35	.26	586.35	.273	635.35	.132	684.35	.1	733.35	.108
440.35	.344	489.35	.173	538.35	.263	587.35	.27	636.35	.131	685.35	.898	734.35	.107
441.35	.336	490.35	.174	539.35	.265	588.35	.267	637.35	.129	686.35	.898	735.35	.108
442.35	.33	491.35	.173	540.35	.269	589.36	.263	638.35	.127	687.35	.899	736.35	.11
443.35	.323	492.35	.174	541.35	.271	590.35	.261	639.35	.126	688.35	.1	737.35	.109
444.35	.317	493.35	.175	542.35	.273	591.35	.256	640.35	.125	689.35	.899	738.35	.108
445.35	.31	494.35	.177	543.35	.276	592.35	.252	641.36	.123	690.35	.899	739.35	.109
446.35	.304	495.35	.177	544.35	.279	593.35	.248	642.35	.121	691.35	.898	740.35	.112
447.35	.296	496.35	.18	545.35	.282	594.35	.248	643.35	.121	692.35	.1	741.35	.109
448.35	.29	497.35	.18	546.35	.283	595.35	.242	644.35	.12	693.35	.899	742.35	.108
449.35	.285	498.35	.181	547.35	.286	596.35	.239	645.35	.117	694.35	.898	743.35	.11
												744.35	.112
												745.35	.111
												746.35	.11
												747.35	.111
												748.35	.112
												749.35	.11

400.45	.388	450.44	.146	499.44	.083	548.44	.091	597.43	.175	646.44	.441	695.43	.608
402.81	.369	451.44	.145	500.44	.082	549.44	.092	598.43	.178	647.43	.441	696.44	.608
403.44	.369	452.44	.142	501.44	.082	550.44	.093	599.43	.182	648.43	.441	697.43	.605
404.45	.361	453.44	.139	502.44	.081	551.44	.095	600.44	.185	649.43	.444	698.44	.603
405.44	.355	454.44	.136	503.44	.082	552.44	.096	601.44	.189	650.43	.447	699.43	.598
406.45	.348	455.44	.134	504.44	.082	553.44	.097	602.44	.193	651.43	.454	700.44	.591
407.44	.343	456.44	.133	505.44	.081	554.44	.099	603.43	.198	652.44	.46	701.43	.584
408.44	.336	457.44	.131	506.44	.08	555.44	.1	604.44	.203	653.44	.467	702.43	.574
409.44	.33	458.44	.128	507.43	.08	556.44	.102	605.43	.207	654.44	.475	703.43	.564
410.44	.324	459.44	.126	508.44	.081	557.44	.104	606.44	.213	655.43	.484	704.44	.55
411.44	.317	460.44	.124	509.44	.081	558.44	.105	607.44	.22	656.44	.494	705.44	.537
412.44	.311	461.43	.122	510.44	.08	559.43	.107	608.44	.227	657.43	.504	706.44	.522
413.44	.306	462.44	.121	511.43	.079	560.44	.108	609.43	.237	658.44	.517	707.43	.506
414.45	.3	463.44	.12	512.43	.08	561.43	.111	610.43	.247	659.44	.528	708.43	.483
415.44	.294	464.44	.117	513.43	.08	562.44	.113	611.43	.256	660.44	.538	709.43	.466
416.44	.288	465.44	.115	514.44	.079	563.43	.116	612.43	.265	661.43	.551	710.44	.449
417.44	.282	466.44	.114	515.44	.079	564.43	.118	613.43	.275	662.44	.563	711.44	.432
418.44	.275	467.44	.112	516.44	.08	565.43	.12	614.43	.281	663.43	.575	712.44	.414
419.44	.271	468.44	.11	517.43	.079	566.44	.121	615.43	.289	664.43	.584	713.43	.401
420.44	.266	469.44	.109	518.44	.079	567.43	.125	616.43	.295	665.43	.591	714.43	.385
421.44	.26	470.44	.108	519.43	.08	568.44	.127	617.43	.3	666.43	.598	715.43	.372
422.44	.255	471.44	.106	520.44	.08	569.44	.129	618.44	.306	667.43	.604	716.43	.359
423.44	.249	472.44	.105	521.44	.08	570.44	.131	619.43	.314	668.43	.607	717.43	.348
424.44	.244	473.44	.104	522.44	.08	571.43	.134	620.44	.32	669.43	.61	718.44	.336
425.44	.24	474.44	.102	523.44	.08	572.43	.135	621.44	.328	670.44	.612	719.43	.328
426.44	.235	475.44	.101	524.44	.08	573.44	.138	622.44	.336	671.44	.613	720.43	.318
427.44	.232	476.44	.1	525.43	.08	574.44	.14	623.43	.345	672.44	.612	721.43	.31
428.44	.226	477.44	.099	526.44	.081	575.43	.141	624.43	.353	673.44	.611	722.44	.3
429.43	.222	478.44	.097	527.43	.082	576.44	.142	625.44	.364	674.44	.609	723.43	.292
430.44	.216	479.44	.096	528.44	.082	577.43	.143	626.44	.376	675.43	.608	724.44	.283
431.44	.213	480.44	.095	529.43	.082	578.43	.145	627.43	.388	676.43	.606	725.44	.276
432.44	.21	481.44	.095	530.44	.083	579.43	.146	628.44	.399	677.43	.603	726.44	.268
433.44	.205	482.44	.093	531.44	.083	580.43	.147	629.43	.408	678.44	.601	727.43	.262
434.44	.201	483.44	.093	532.44	.083	581.43	.148	630.43	.417	679.43	.599	728.43	.252
435.44	.197	484.44	.091	533.44	.084	582.43	.15	631.43	.427	680.44	.596	729.43	.244
436.45	.193	485.44	.09	534.44	.083	583.44	.151	632.43	.433	681.43	.595	730.44	.237
437.44	.19	486.44	.09	535.44	.084	584.43	.151	633.43	.44	682.43	.594	731.43	.233
438.44	.186	487.44	.088	536.45	.085	585.43	.152	634.43	.445	683.43	.594	732.43	.224
439.44	.182	488.44	.089	537.44	.084	586.44	.154	635.44	.449	684.44	.593	733.43	.217
440.44	.179	489.44	.087	538.44	.085	587.43	.155	636.43	.451	685.44	.593	734.43	.211
441.44	.174	490.44	.087	539.44	.085	588.44	.156	637.43	.452	686.44	.594	735.43	.207
442.44	.171	491.44	.087	540.45	.085	589.44	.158	638.44	.451	687.44	.595	736.44	.199
443.44	.168	492.44	.086	541.44	.086	590.44	.158	639.44	.451	688.44	.595	737.43	.193
444.44	.164	493.44	.085	542.44	.086	591.43	.161	640.44	.451	689.43	.598	738.44	.188
445.44	.161	494.44	.084	543.44	.088	592.44	.163	641.44	.451	690.44	.6	739.44	.184
446.44	.158	495.44	.085	544.44	.088	593.44	.164	642.43	.45	691.44	.603	740.44	.178
447.44	.155	496.44	.083	545.44	.089	594.44	.167	643.43	.45	692.44	.604	741.43	.172
448.44	.151	497.44	.084	546.44	.089	595.43	.169	644.44	.447	693.44	.606	742.44	.167
449.44	.15	498.44	.082	547.44	.09	596.44	.171	645.43	.443	694.44	.607	743.44	.165
												744.44	.158
												745.43	.154
												746.43	.151
												747.43	.149
												748.43	.144
												749.43	.139

400.2	.183	450.2	.092	499.21	.065	540.19	.066	597.2	.063	646.19	.134	695.2	.214
402.58	.176	451.21	.091	500.2	.064	549.2	.066	598.19	.064	647.2	.134	696.19	.214
403.21	.176	452.2	.09	501.21	.066	550.2	.066	599.2	.065	648.19	.131	697.2	.216
404.2	.173	453.21	.089	502.2	.065	551.2	.066	600.19	.065	649.2	.129	698.19	.217
405.21	.171	454.2	.087	503.21	.066	552.2	.065	601.2	.066	650.19	.13	699.2	.217
406.2	.168	455.21	.087	504.2	.065	553.2	.064	602.19	.067	651.2	.131	700.19	.215
407.21	.165	456.2	.085	505.21	.065	554.2	.064	603.2	.068	652.19	.131	701.2	.214
408.2	.163	457.21	.085	506.2	.065	555.2	.065	604.19	.069	653.2	.133	702.19	.212
409.21	.162	458.2	.084	507.2	.065	556.2	.063	605.2	.068	654.19	.135	703.2	.211
410.2	.159	459.21	.082	508.2	.064	557.2	.064	606.19	.07	655.2	.138	704.19	.206
411.21	.157	460.2	.082	509.21	.065	558.19	.063	607.2	.073	656.19	.139	705.2	.202
412.2	.154	461.2	.081	510.2	.065	559.2	.063	608.19	.074	657.2	.143	706.2	.2
413.21	.153	462.2	.08	511.21	.065	560.19	.062	609.2	.078	658.19	.147	707.2	.193
414.2	.151	463.2	.08	512.2	.064	561.2	.062	610.19	.079	659.2	.151	708.2	.179
415.21	.149	464.2	.078	513.2	.064	562.19	.062	611.2	.082	660.19	.154	709.2	.173
416.2	.146	465.21	.078	514.19	.065	563.2	.062	612.19	.084	661.2	.159	710.2	.166
417.21	.145	466.2	.077	515.2	.065	564.19	.061	613.2	.088	662.19	.164	711.2	.158
418.2	.143	467.21	.076	516.2	.064	565.2	.06	614.19	.09	663.2	.17	712.19	.15
419.21	.141	468.2	.075	517.21	.064	566.19	.06	615.2	.093	664.19	.173	713.2	.145
420.2	.139	469.21	.075	518.2	.065	567.2	.061	616.19	.094	665.2	.177	714.19	.139
421.21	.138	470.2	.074	519.21	.065	568.19	.06	617.2	.1	666.19	.18	715.2	.133
422.2	.135	471.21	.073	520.2	.064	569.2	.06	618.19	.101	667.2	.184	716.19	.128
423.2	.134	472.2	.072	521.2	.066	570.19	.059	619.2	.1	668.19	.186	717.2	.124
424.2	.131	473.21	.072	522.2	.065	571.2	.06	620.19	.102	669.2	.188	718.19	.122
425.2	.13	474.2	.071	523.2	.066	572.19	.059	621.2	.103	670.19	.189	719.2	.12
426.2	.129	475.2	.072	524.2	.065	573.2	.059	622.19	.106	671.2	.192	720.19	.117
427.2	.128	476.2	.07	525.2	.066	574.19	.059	623.2	.109	672.2	.191	721.2	.115
428.19	.125	477.2	.069	526.19	.065	575.2	.058	624.19	.112	673.2	.192	722.19	.113
429.2	.125	478.2	.069	527.2	.067	576.19	.059	625.2	.114	674.2	.192	723.2	.113
430.2	.122	479.2	.069	528.19	.066	577.2	.059	626.19	.119	675.2	.193	724.2	.109
431.21	.121	480.2	.068	529.2	.066	578.19	.059	627.2	.123	676.19	.192	725.2	.108
432.2	.12	481.2	.068	530.2	.066	579.2	.06	628.19	.127	677.2	.192	726.2	.107
433.21	.119	482.2	.068	531.21	.067	580.19	.058	629.2	.13	678.19	.192	727.2	.107
434.2	.117	483.21	.068	532.2	.067	581.2	.059	630.19	.134	679.2	.192	728.19	.104
435.2	.116	484.2	.067	533.2	.066	582.19	.06	631.2	.138	680.19	.191	729.2	.102
436.2	.113	485.21	.067	534.2	.067	583.2	.061	632.19	.141	681.2	.191	730.19	.102
437.21	.112	486.2	.067	535.21	.068	584.19	.06	633.2	.144	682.19	.191	731.2	.102
438.2	.111	487.21	.067	536.2	.066	585.2	.06	634.19	.147	683.2	.193	732.19	.099
439.21	.109	488.2	.066	537.2	.068	586.19	.06	635.2	.149	684.19	.192	733.2	.097
440.2	.107	489.2	.067	538.2	.067	587.2	.061	636.19	.148	685.2	.195	734.19	.097
441.2	.106	490.2	.066	539.21	.068	588.19	.061	637.2	.148	686.19	.195	735.2	.098
442.2	.104	491.2	.066	540.19	.067	589.2	.06	638.19	.147	687.2	.197	736.19	.095
443.2	.102	492.2	.065	541.2	.067	590.2	.061	639.2	.147	688.2	.198	737.2	.094
444.2	.101	493.2	.065	542.19	.067	591.2	.062	640.19	.146	689.2	.201	738.19	.094
445.2	.099	494.19	.065	543.2	.068	592.19	.061	641.2	.144	690.19	.202	739.2	.095
446.2	.097	495.2	.066	544.2	.066	593.2	.061	642.19	.144	691.2	.205	740.19	.092
447.21	.096	496.2	.064	545.2	.067	594.19	.062	643.2	.142	692.19	.206	741.2	.091
448.2	.094	497.2	.065	546.19	.066	595.2	.063	644.19	.139	693.2	.21	742.2	.091
449.2	.094	498.2	.065	547.2	.067	596.19	.063	645.2	.137	694.19	.211	743.2	.092
												744.19	.091
												745.2	.089
												746.19	.089
												747.2	.091
												748.19	.088
												749.2	.087

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400.46	.102	450.46	.047	499.46	.028	548.46	.028	597.46	.037	646.46	.085	695.46	.123
402.82	.098	451.46	.046	500.46	.028	549.46	.03	598.46	.036	647.46	.084	696.46	.124
403.46	.098	452.46	.045	501.46	.028	550.46	.029	599.46	.038	648.46	.084	697.46	.126
404.46	.096	453.46	.045	502.46	.028	551.46	.029	600.46	.038	649.46	.085	698.46	.126
405.47	.095	454.46	.043	503.46	.028	552.46	.028	601.46	.039	650.46	.084	699.46	.126
406.46	.093	455.46	.044	504.46	.028	553.46	.029	602.46	.039	651.46	.084	700.46	.127
407.46	.093	456.46	.043	505.46	.028	554.46	.028	603.46	.04	652.46	.085	701.46	.129
408.46	.091	457.46	.042	506.46	.027	555.46	.028	604.46	.041	653.46	.085	702.45	.127
409.46	.09	458.46	.041	507.46	.028	556.46	.029	605.46	.041	654.46	.085	703.46	.128
410.46	.088	459.46	.041	508.46	.028	557.46	.028	606.46	.042	655.46	.085	704.46	.127
411.46	.088	460.46	.04	509.46	.028	558.46	.028	607.46	.043	656.46	.086	705.46	.13
412.46	.086	461.46	.04	510.46	.027	559.46	.028	608.46	.044	657.46	.089	706.46	.128
413.46	.085	462.46	.039	511.46	.028	560.46	.027	609.46	.046	658.46	.09	707.46	.122
414.46	.083	463.46	.039	512.46	.028	561.46	.028	610.46	.047	659.46	.09	708.46	.116
415.46	.083	464.46	.038	513.46	.028	562.46	.027	611.46	.048	660.46	.093	709.46	.113
416.46	.082	465.46	.038	514.46	.028	563.46	.027	612.46	.05	661.46	.095	710.46	.109
417.46	.08	466.46	.037	515.46	.028	564.46	.026	613.46	.052	662.46	.096	711.46	.107
418.46	.078	467.46	.037	516.46	.028	565.46	.028	614.46	.053	663.46	.099	712.46	.102
419.46	.079	468.46	.036	517.46	.028	566.46	.026	615.46	.054	664.46	.1	713.46	.1
420.46	.077	469.46	.036	518.46	.028	567.46	.026	616.46	.056	665.46	.104	714.45	.097
421.46	.076	470.46	.035	519.46	.028	568.46	.026	617.46	.057	666.46	.104	715.45	.096
422.46	.075	471.46	.035	520.46	.028	569.46	.027	618.46	.058	667.46	.106	716.45	.095
423.46	.075	472.46	.034	521.46	.028	570.46	.026	619.46	.06	668.46	.109	717.45	.092
424.46	.072	473.46	.036	522.46	.028	571.46	.027	620.46	.061	669.46	.111	718.45	.091
425.46	.071	474.46	.034	523.46	.028	572.46	.027	621.46	.064	670.46	.111	719.46	.095
426.46	.071	475.46	.033	524.46	.028	573.46	.027	622.46	.064	671.46	.113	720.46	.091
427.46	.07	476.46	.034	525.46	.029	574.46	.027	623.46	.065	672.46	.114	721.46	.091
428.46	.069	477.46	.033	526.46	.028	575.46	.027	624.46	.067	673.46	.116	722.46	.09
429.46	.068	478.46	.032	527.46	.028	576.46	.027	625.46	.069	674.46	.116	723.46	.09
430.46	.067	479.46	.032	528.46	.028	577.46	.028	626.46	.07	675.46	.115	724.46	.09
431.46	.067	480.46	.032	529.46	.029	578.46	.028	627.46	.072	676.46	.117	725.46	.09
432.46	.066	481.46	.032	530.46	.029	579.46	.029	628.46	.074	677.46	.118	726.46	.088
433.46	.065	482.46	.031	531.46	.029	580.46	.029	629.46	.075	678.46	.117	727.46	.088
434.46	.064	483.46	.032	532.46	.029	581.46	.03	630.46	.077	679.46	.116	728.45	.086
435.46	.063	484.46	.031	533.46	.03	582.46	.029	631.46	.078	680.46	.117	729.46	.086
436.46	.062	485.46	.032	534.46	.029	583.46	.03	632.46	.08	681.46	.118	730.46	.083
437.46	.061	486.46	.03	535.46	.029	584.46	.03	633.46	.083	682.46	.118	731.46	.082
438.46	.059	487.46	.031	536.46	.029	585.46	.032	634.46	.084	683.46	.117	732.46	.082
439.46	.059	488.46	.03	537.46	.03	586.46	.031	635.46	.085	684.46	.117	733.45	.082
440.46	.057	489.46	.03	538.46	.03	587.46	.032	636.46	.086	685.46	.119	734.45	.079
441.46	.057	490.46	.029	539.46	.029	588.46	.032	637.46	.088	686.46	.118	735.46	.079
442.46	.055	491.46	.028	540.46	.029	589.46	.033	638.46	.087	687.46	.119	736.46	.077
443.46	.054	492.46	.029	541.46	.03	590.46	.034	639.46	.087	688.46	.119	737.46	.078
444.46	.053	493.46	.029	542.46	.029	591.46	.034	640.46	.088	689.46	.121	738.46	.076
445.46	.052	494.46	.029	543.46	.029	592.46	.034	641.46	.088	690.46	.12	739.46	.075
446.46	.05	495.46	.029	544.46	.029	593.46	.035	642.46	.087	691.46	.12	740.46	.074
447.46	.051	496.46	.028	545.46	.03	594.46	.035	643.46	.087	692.46	.122	741.46	.075
448.46	.048	497.46	.029	546.46	.029	595.46	.035	644.46	.086	693.46	.123	742.46	.073
449.46	.048	498.46	.028	547.46	.029	596.46	.035	645.46	.087	694.46	.123	743.46	.071
												744.46	.071
												745.46	.071
												746.46	.07
												747.46	.068
												748.45	.069
												749.45	.069

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400.2	3E-03	451.2	.013	501.2	.019	551.2	.02	601.2	.031	650.18	.045	700.19	.061
402.54	4E-03	452.19	.013	502.19	.019	552.19	.021	602.19	.032	651.19	.046	701.19	.06
403.2	4E-03	453.2	.015	503.2	.019	553.2	.02	603.2	.032	652.19	.046	702.19	.06
404.19	5E-03	454.19	.013	504.19	.02	554.19	.02	604.19	.033	653.19	.046	703.19	.061
405.2	5E-03	455.2	.014	505.2	.019	555.2	.02	605.19	.033	654.19	.046	704.19	.063
406.19	6E-03	456.19	.014	506.19	.019	556.19	.02	606.19	.033	655.19	.047	705.19	.062
407.2	6E-03	457.2	.014	507.19	.019	557.2	.019	607.2	.033	656.19	.048	706.19	.064
408.19	2E-03	458.19	.015	508.19	.02	558.19	.02	608.19	.034	657.19	.047	707.19	.062
409.2	1E-03	459.2	.014	509.2	.02	559.19	.019	609.2	.034	658.19	.048	708.19	.067
410.19	7E-03	460.19	.015	510.19	.02	560.19	.02	610.19	.034	659.19	.049	709.19	.053
411.2	8E-03	461.19	.015	511.2	.02	561.2	.019	611.19	.034	660.19	.049	710.19	.053
412.19	7E-03	462.19	.015	512.19	.02	562.19	.02	612.19	.035	661.19	.049	711.19	.052
413.2	8E-03	463.2	.016	513.19	.02	563.2	.019	613.19	.035	662.19	.049	712.19	.05
414.19	9E-03	464.19	.016	514.19	.02	564.19	.019	614.19	.035	663.19	.048	713.19	.049
415.2	9E-03	465.2	.016	515.2	.02	565.19	.019	615.19	.035	664.19	.05	714.18	.049
416.19	9E-03	466.19	.016	516.19	.02	566.19	.02	616.19	.036	665.19	.04	715.19	.048
417.2	9E-03	467.19	.016	517.2	.02	567.2	.019	617.19	.035	666.18	.051	716.18	.049
418.19	.01	468.19	.016	518.19	.02	568.19	.02	618.19	.036	667.19	.051	717.19	.049
419.2	9E-03	469.2	.016	519.2	.021	569.2	.02	619.2	.036	668.19	.052	718.19	.053
420.19	.01	470.19	.016	520.19	.021	570.19	.02	620.19	.037	669.19	.051	719.19	.054
421.2	.01	471.2	.017	521.2	.021	571.2	.02	621.2	.037	670.19	.051	720.19	.055
422.19	.011	472.19	.017	522.19	.021	572.19	.021	622.19	.037	671.19	.052	721.19	.057
423.2	.01	473.2	.016	523.2	.021	573.2	.021	623.19	.037	672.19	.053	722.19	.058
424.19	.01	474.19	.017	524.19	.021	574.19	.021	624.19	.038	673.19	.053	723.19	.061
425.2	.011	475.19	.017	525.2	.021	575.2	.021	625.19	.037	674.19	.053	724.19	.064
426.19	.011	476.19	.017	526.19	.022	576.19	.023	626.19	.037	675.19	.053	725.19	.064
427.2	.011	477.19	.018	527.19	.021	577.19	.022	626.46	.038	676.19	.053	726.19	.064
428.19	.012	478.19	.017	528.19	.022	578.19	.023	627.19	.038	677.19	.054	727.19	.066
429.19	.012	479.2	.018	529.19	.021	579.19	.023	628.19	.039	678.19	.053	728.19	.068
430.19	.013	480.19	.018	530.19	.022	580.19	.025	629.19	.039	679.19	.054	729.19	.067
431.2	.013	481.19	.017	531.2	.022	581.19	.025	630.19	.039	680.19	.055	730.19	.067
432.19	.013	482.19	.017	532.19	.021	582.19	.025	631.19	.04	681.19	.055	731.19	.068
433.2	.013	483.2	.018	533.2	.022	583.2	.025	632.19	.04	682.18	.054	732.19	.069
434.19	.014	484.19	.018	534.19	.021	584.19	.026	633.19	.04	683.19	.055	733.19	.068
435.2	.014	485.2	.017	535.2	.021	585.19	.026	634.19	.041	684.18	.056	734.18	.068
436.19	.015	486.19	.018	536.19	.021	586.19	.027	635.2	.04	685.19	.056	735.19	.068
437.2	.013	487.2	.019	537.2	.021	587.2	.026	636.19	.042	686.19	.055	736.19	.067
438.19	.015	488.19	.018	538.19	.021	588.19	.028	637.19	.041	687.19	.056	737.19	.068
439.2	.014	489.2	.018	539.2	.021	589.2	.028	638.19	.041	688.19	.057	738.19	.067
440.19	.014	490.19	.019	540.19	.022	590.19	.028	639.19	.042	689.19	.057	739.19	.067
441.19	.013	491.2	.018	541.2	.021	591.2	.028	640.19	.043	690.19	.057	740.19	.069
442.19	.014	492.19	.018	542.19	.022	592.19	.03	641.2	.043	691.19	.057	741.19	.067
443.2	.013	493.19	.018	543.2	.021	593.19	.03	642.19	.043	692.19	.058	742.19	.065
444.19	.014	494.19	.019	544.19	.022	594.19	.03	643.19	.043	693.19	.058	743.19	.066
445.19	.013	495.19	.019	545.2	.021	595.19	.029	644.19	.044	694.19	.058	744.19	.068
446.19	.014	496.19	.019	546.19	.021	596.19	.031	645.19	.043	695.19	.058	745.19	.064
447.2	.013	497.19	.018	547.2	.021	597.19	.03	646.19	.043	696.18	.059	746.18	.063
448.19	.013	498.19	.019	548.19	.021	598.19	.031	647.19	.044	697.19	.059	747.19	.063
449.19	.013	499.2	.019	549.2	.02	599.19	.031	648.19	.045	698.19	.058	748.18	.064
450.19	.013	500.19	.02	550.19	.021	600.19	.032	649.19	.045	699.19	.059	749.19	.061

400.82	1.667	450.98	.717	500.97	.521	550.97	.501	600.97	.283	650.97	.182	700.97	.167
402.72	1.613	451.97	.703	501.97	.52	551.97	.497	601.97	.279	651.97	.181	701.97	.167
402.98	1.613	452.98	.691	502.98	.521	552.97	.493	602.97	.276	652.97	.18	702.97	.168
403.97	1.594	453.97	.677	503.97	.522	553.97	.49	603.97	.27	653.97	.179	703.97	.167
404.97	1.572	454.97	.665	504.98	.524	554.98	.487	604.97	.265	654.98	.179	704.97	.168
405.97	1.553	455.97	.656	505.97	.524	555.97	.483	605.97	.263	655.97	.178	705.97	.171
406.97	1.535	456.98	.647	506.97	.527	556.98	.48	606.97	.263	656.97	.177	706.98	.172
407.97	1.515	457.97	.635	507.97	.529	557.97	.476	607.97	.255	657.97	.176	707.97	.167
408.97	1.495	458.97	.627	508.97	.53	558.97	.472	608.97	.255	658.98	.176	708.97	.166
409.97	1.474	459.97	.619	509.97	.53	559.97	.467	609.97	.25	659.97	.175	709.97	.162
410.97	1.448	460.97	.612	510.98	.532	560.97	.461	610.97	.248	660.98	.174	710.97	.158
411.97	1.426	461.97	.605	511.97	.533	561.97	.457	611.96	.244	661.97	.173	711.97	.156
412.97	1.406	462.98	.597	512.97	.533	562.97	.453	612.97	.243	662.97	.173	712.97	.156
413.97	1.388	463.97	.589	513.97	.532	563.97	.448	613.96	.24	663.97	.173	713.97	.154
414.97	1.364	464.98	.584	514.97	.533	564.97	.444	614.97	.238	664.97	.172	714.97	.153
415.97	1.345	465.97	.579	515.97	.533	565.96	.441	615.97	.234	665.97	.175	715.97	.153
416.98	1.324	466.98	.573	516.98	.533	566.97	.436	616.97	.232	666.97	.173	716.97	.154
417.97	1.299	467.97	.57	517.97	.533	567.97	.429	617.96	.229	667.97	.172	717.97	.154
418.98	1.28	468.98	.566	518.97	.533	568.97	.425	618.97	.227	668.97	.172	718.97	.156
419.97	1.262	469.97	.561	519.97	.533	569.97	.42	619.97	.223	669.97	.172	719.97	.157
420.98	1.238	470.98	.557	520.98	.532	570.98	.415	620.97	.22	670.98	.172	720.97	.158
421.97	1.217	471.97	.552	521.97	.533	571.97	.41	621.97	.217	671.97	.172	721.97	.161
422.97	1.195	472.98	.551	522.98	.532	572.97	.403	622.97	.215	672.98	.171	722.98	.162
423.97	1.172	473.97	.548	523.97	.532	573.97	.397	623.97	.214	673.97	.172	723.97	.166
424.97	1.155	474.97	.547	524.98	.533	574.98	.394	624.97	.215	674.98	.173	724.98	.166
425.97	1.138	475.97	.545	525.97	.531	575.97	.391	625.97	.21	675.97	.171	725.97	.169
426.98	1.115	476.98	.544	526.97	.532	576.97	.387	626.97	.21	676.97	.171	726.98	.169
427.97	1.093	477.97	.544	527.97	.531	577.97	.38	627.97	.208	677.97	.17	727.97	.169
428.97	1.074	478.97	.542	528.97	.531	578.97	.375	628.97	.205	678.97	.171	728.97	.171
429.97	1.051	479.97	.541	529.97	.532	579.97	.37	629.97	.205	679.97	.17	729.97	.171
430.98	1.033	480.97	.541	530.97	.531	580.97	.367	630.97	.203	680.97	.17	730.97	.171
431.97	1.016	481.97	.539	531.97	.531	581.96	.362	631.97	.2	681.97	.173	731.97	.171
432.98	.998	482.97	.539	532.97	.534	582.97	.357	632.97	.199	682.97	.173	732.97	.17
433.97	.979	483.97	.537	533.97	.532	583.97	.352	633.97	.197	683.97	.17	733.97	.173
434.98	.96	484.98	.537	534.98	.532	584.97	.348	634.98	.196	684.97	.174	734.97	.176
435.97	.942	485.98	.535	535.97	.53	585.97	.344	635.97	.195	685.97	.172	735.97	.174
436.97	.924	486.98	.535	536.97	.531	586.97	.34	636.97	.193	686.97	.172	736.98	.172
437.97	.91	487.97	.534	537.97	.531	587.97	.335	637.97	.192	687.97	.17	737.97	.171
438.98	.891	488.98	.533	538.98	.531	588.97	.332	638.97	.192	688.97	.17	738.97	.173
439.97	.872	489.97	.531	539.97	.53	589.97	.327	639.97	.189	689.97	.17	739.97	.173
440.98	.859	490.98	.53	540.97	.527	590.97	.322	640.97	.189	690.97	.173	740.97	.171
441.97	.84	491.97	.529	541.97	.524	591.96	.316	641.97	.187	691.97	.17	741.97	.173
442.98	.824	492.97	.527	542.97	.523	592.97	.313	642.97	.188	692.98	.17	742.98	.174
443.97	.811	493.97	.525	543.97	.52	593.97	.309	643.96	.187	693.97	.17	743.97	.17
444.98	.795	494.98	.525	544.97	.518	594.97	.305	644.98	.187	694.98	.17	744.98	.169
445.97	.781	495.97	.523	545.97	.515	595.97	.301	645.97	.184	695.97	.169	745.97	.17
446.97	.766	496.98	.523	546.97	.514	596.97	.297	646.97	.185	696.97	.167	746.97	.173
447.97	.752	497.97	.522	547.97	.512	597.96	.294	647.97	.183	697.97	.167	747.97	.176
448.97	.738	498.98	.522	548.97	.508	598.97	.29	648.97	.182	698.97	.17	748.97	.172
449.97	.727	499.97	.522	549.97	.503	599.96	.286	649.96	.181	699.97	.167	749.97	.173

400.77	.713	450.76	.351	499.75	.245	548.76	.279	597.75	.215	646.76	.154	695.75	.15
403.13	.689	451.75	.346	500.76	.246	549.76	.279	598.76	.213	647.75	.153	696.76	.15
403.76	.689	452.76	.342	501.76	.247	550.76	.279	599.75	.21	648.76	.152	697.75	.149
404.76	.68	453.76	.335	502.76	.246	551.75	.279	600.76	.208	649.75	.151	698.76	.15
405.75	.67	454.76	.331	503.76	.247	552.76	.28	601.76	.205	650.76	.151	699.75	.148
406.76	.664	455.76	.326	504.76	.247	553.76	.28	602.76	.205	651.75	.15	700.76	.149
407.76	.657	456.76	.322	505.76	.248	554.76	.279	603.75	.201	652.76	.15	701.75	.15
408.76	.649	457.76	.318	506.76	.249	555.76	.279	604.76	.199	653.75	.149	702.76	.151
409.75	.639	458.76	.313	507.75	.25	556.77	.278	605.76	.197	654.76	.15	703.75	.151
410.76	.631	459.76	.308	508.76	.251	557.76	.28	606.77	.197	655.75	.15	704.76	.15
411.76	.621	460.76	.304	509.76	.25	558.76	.28	607.76	.193	656.76	.149	705.75	.155
412.76	.614	461.75	.302	510.76	.251	559.76	.278	608.76	.193	657.76	.147	706.76	.154
413.76	.612	462.76	.298	511.76	.251	560.76	.276	609.75	.191	658.76	.148	707.75	.146
414.76	.601	463.76	.293	512.76	.252	561.76	.275	610.76	.189	659.76	.148	708.76	.144
415.76	.592	464.76	.291	513.75	.252	562.76	.275	611.75	.186	660.76	.149	709.75	.141
416.76	.583	465.76	.286	514.76	.253	563.76	.273	612.76	.187	661.75	.148	710.76	.139
417.75	.574	466.76	.282	515.76	.253	564.76	.271	613.75	.184	662.76	.15	711.75	.137
418.77	.566	467.75	.28	516.76	.253	565.75	.271	614.76	.182	663.75	.148	712.76	.138
419.76	.56	468.76	.278	517.76	.254	566.76	.27	615.75	.18	664.76	.149	713.75	.136
420.76	.553	469.76	.274	518.76	.255	567.76	.269	616.76	.179	665.75	.148	714.76	.135
421.76	.544	470.76	.271	519.76	.253	568.76	.267	617.75	.178	666.76	.15	715.75	.134
422.76	.536	471.76	.267	520.76	.256	569.76	.265	618.76	.178	667.75	.148	716.76	.137
423.76	.53	472.76	.265	521.76	.255	570.76	.265	619.75	.175	668.76	.147	717.75	.138
424.77	.522	473.76	.262	522.77	.256	571.76	.263	620.76	.174	669.75	.146	718.76	.138
425.76	.514	474.76	.261	523.76	.256	572.76	.262	621.75	.174	670.76	.147	719.75	.14
426.76	.508	475.75	.259	524.76	.256	573.76	.258	622.76	.171	671.75	.147	720.76	.142
427.75	.503	476.76	.258	525.76	.257	574.77	.258	623.75	.17	672.76	.147	721.75	.144
428.76	.495	477.76	.256	526.76	.259	575.76	.256	624.76	.169	673.76	.147	722.76	.147
429.75	.485	478.76	.254	527.76	.259	576.76	.256	625.75	.168	674.76	.146	723.75	.148
430.76	.479	479.75	.252	528.76	.25	577.76	.254	626.76	.169	675.75	.146	724.76	.15
431.76	.473	480.76	.251	529.76	.262	578.76	.251	627.75	.167	676.76	.147	725.75	.15
432.76	.467	481.76	.25	530.76	.263	579.75	.249	628.76	.165	677.75	.148	726.76	.153
433.76	.458	482.76	.249	531.76	.263	580.76	.248	629.75	.163	678.76	.148	727.75	.152
434.76	.452	483.76	.247	532.76	.264	581.76	.249	630.76	.163	679.75	.148	728.76	.153
435.75	.444	484.76	.246	533.76	.267	582.76	.246	631.75	.162	680.76	.147	729.75	.153
436.77	.438	485.76	.246	534.76	.268	583.76	.242	632.76	.161	681.75	.147	730.76	.156
437.76	.434	486.76	.245	535.76	.268	584.76	.241	633.76	.16	682.76	.148	731.75	.154
438.76	.428	487.76	.245	536.76	.271	585.76	.24	634.76	.161	683.75	.148	732.76	.155
439.76	.419	488.76	.244	537.76	.272	586.76	.238	635.75	.16	684.76	.148	733.75	.156
440.76	.412	489.76	.244	538.77	.272	587.76	.235	636.76	.16	685.76	.147	734.76	.159
441.75	.404	490.76	.244	539.76	.273	588.76	.232	637.75	.159	686.76	.148	735.75	.156
442.76	.398	491.76	.243	540.76	.274	589.76	.23	638.76	.158	687.75	.147	736.76	.155
443.75	.393	492.76	.244	541.76	.275	590.76	.229	639.76	.156	688.76	.147	737.75	.158
444.76	.387	493.75	.244	542.76	.277	591.75	.225	640.76	.155	689.75	.147	738.76	.158
445.76	.38	494.76	.244	543.76	.277	592.76	.224	641.76	.155	690.76	.149	739.75	.157
446.76	.375	495.75	.244	544.76	.277	593.76	.223	642.76	.154	691.76	.148	740.76	.155
447.76	.367	496.76	.244	545.75	.278	594.76	.221	643.75	.153	692.76	.148	741.75	.157
448.76	.361	497.76	.244	546.76	.28	595.76	.219	644.76	.153	693.75	.149	742.76	.159
449.76	.357	498.76	.245	547.75	.278	596.76	.217	645.76	.153	694.76	.149	743.75	.156
												744.76	.157
												745.75	.158
												746.76	.159
												747.75	.158
												748.76	.157
												749.75	.157

400.84	.527	450.84	.372	499.83	.333	548.83	.335	597.83	.364	646.83	.467	695.82	.582
403.21	.514	451.83	.372	500.83	.333	549.83	.335	598.83	.366	647.83	.468	696.83	.576
403.83	.514	452.83	.369	501.83	.334	550.83	.337	599.83	.368	648.83	.468	697.83	.57
404.84	.51	453.83	.368	502.83	.332	551.83	.338	600.83	.369	649.83	.469	698.83	.563
405.83	.585	454.83	.367	503.83	.334	552.83	.338	601.83	.371	650.83	.47	699.83	.555
406.84	.501	455.83	.366	504.83	.332	553.83	.339	602.83	.373	651.83	.475	700.83	.546
407.84	.497	456.83	.363	505.83	.332	554.83	.34	603.83	.377	652.82	.478	701.82	.537
408.83	.492	457.83	.363	506.83	.332	555.83	.341	604.83	.38	653.83	.481	702.83	.525
409.83	.489	458.83	.361	507.83	.331	556.83	.343	605.83	.382	654.83	.485	703.83	.516
410.83	.484	459.83	.361	508.83	.331	557.83	.343	606.83	.386	655.83	.492	704.83	.504
411.83	.48	460.83	.359	509.83	.331	558.83	.344	607.83	.391	656.83	.497	705.83	.491
412.84	.476	461.83	.358	510.83	.332	559.83	.346	608.83	.395	657.83	.504	706.83	.478
413.83	.475	462.83	.356	511.83	.331	560.83	.346	609.83	.399	658.83	.511	707.83	.464
414.84	.468	463.83	.356	512.83	.33	561.83	.347	610.83	.405	659.83	.517	708.83	.449
415.83	.465	464.83	.355	513.83	.331	562.83	.348	611.83	.41	660.83	.524	709.83	.438
416.83	.461	465.83	.354	514.83	.331	563.83	.35	612.83	.415	661.83	.53	710.83	.424
417.83	.459	466.83	.353	515.83	.331	564.83	.35	613.83	.418	662.83	.538	711.83	.413
418.83	.454	467.83	.353	516.83	.331	565.83	.351	614.83	.422	663.83	.546	712.83	.402
419.83	.451	468.83	.351	517.83	.331	566.83	.353	615.83	.425	664.83	.551	713.83	.395
420.84	.449	469.83	.351	518.83	.331	567.83	.353	616.83	.427	665.83	.555	714.82	.385
421.83	.446	470.83	.349	519.83	.332	568.83	.353	617.83	.429	666.83	.559	715.82	.376
422.83	.441	471.83	.349	520.83	.331	569.83	.354	618.83	.431	667.83	.564	716.83	.371
423.83	.437	472.83	.348	521.83	.33	570.83	.353	619.83	.435	668.83	.566	717.82	.366
424.84	.435	473.83	.347	522.83	.329	571.83	.355	620.83	.436	669.83	.568	718.83	.361
425.83	.433	474.83	.346	523.83	.33	572.83	.355	621.83	.439	670.83	.571	719.83	.358
426.83	.429	475.83	.345	524.83	.33	573.83	.355	622.83	.442	671.83	.573	720.83	.355
427.83	.425	476.83	.343	525.83	.33	574.83	.354	623.83	.447	672.83	.574	721.82	.353
428.83	.423	477.83	.343	526.83	.33	575.83	.354	624.83	.449	673.83	.575	722.83	.349
429.83	.421	478.83	.343	527.83	.331	576.83	.354	625.83	.453	674.83	.577	723.83	.347
430.83	.418	479.83	.343	528.83	.33	577.83	.354	626.83	.459	675.83	.578	724.83	.344
431.83	.416	480.83	.341	529.83	.33	578.83	.353	627.83	.464	676.83	.58	725.83	.342
432.83	.412	481.83	.342	530.83	.329	579.83	.354	628.83	.466	677.83	.581	726.83	.339
433.83	.411	482.83	.34	531.83	.331	580.83	.353	629.83	.469	678.83	.583	727.83	.338
434.83	.408	483.83	.34	532.83	.33	581.83	.352	630.83	.473	679.82	.584	728.83	.335
435.83	.405	484.83	.338	533.83	.33	582.83	.352	631.83	.475	680.83	.585	729.83	.33
436.83	.402	485.83	.338	534.83	.331	583.83	.354	632.83	.475	681.83	.587	730.83	.328
437.83	.401	486.83	.337	535.83	.332	584.83	.353	633.83	.476	682.82	.589	731.83	.329
438.83	.398	487.83	.337	536.83	.33	585.83	.353	634.83	.476	683.82	.591	732.83	.327
439.83	.396	488.83	.336	537.83	.33	586.83	.354	635.83	.477	684.83	.591	733.82	.323
440.83	.393	489.83	.336	538.83	.331	587.83	.355	636.83	.476	685.83	.593	734.83	.322
441.83	.389	490.83	.335	539.83	.331	588.83	.355	637.83	.475	686.83	.594	735.83	.323
442.83	.388	491.83	.337	540.83	.331	589.83	.355	638.83	.474	687.83	.595	736.83	.32
443.83	.387	492.83	.337	541.83	.331	590.83	.355	639.83	.474	688.83	.593	737.83	.317
444.83	.383	493.82	.335	542.83	.331	591.83	.358	640.83	.473	689.82	.593	738.83	.317
445.83	.381	494.83	.334	543.83	.334	592.83	.358	641.83	.472	690.83	.593	739.83	.315
446.83	.379	495.83	.335	544.83	.333	593.83	.359	642.83	.472	691.83	.593	740.83	.313
447.83	.377	496.83	.334	545.83	.334	594.83	.36	643.83	.471	692.83	.592	741.83	.311
448.83	.375	497.83	.334	546.83	.334	595.83	.362	644.83	.468	693.83	.588	742.83	.31
449.83	.375	498.83	.333	547.83	.334	596.83	.362	645.83	.467	694.83	.586	743.83	.312
												744.83	.31
												745.83	.306
												746.83	.306
												747.83	.308
												748.83	.304
												749.83	.303



400.12	.61	450.12	.471	499.12	.422	548.11	.411	597.11	.384	646.11	.532	695.11	.694
402.49	.598	451.12	.469	500.12	.422	549.11	.41	598.11	.384	647.11	.528	696.11	.694
403.12	.598	452.12	.467	501.11	.423	550.12	.408	599.11	.387	648.11	.524	697.11	.694
404.12	.595	453.12	.466	502.12	.422	551.11	.408	600.12	.388	649.11	.521	698.11	.692
405.12	.591	454.12	.465	503.12	.422	552.11	.407	601.11	.39	650.11	.52	699.11	.691
406.12	.587	455.12	.462	504.12	.422	553.11	.406	602.12	.392	651.11	.522	700.11	.684
407.12	.584	456.12	.461	505.12	.422	554.12	.405	603.11	.394	652.11	.523	701.11	.677
408.12	.581	457.12	.46	506.12	.42	555.11	.406	604.11	.396	653.11	.527	702.11	.67
409.12	.58	458.12	.457	507.11	.419	556.12	.404	605.11	.399	654.11	.529	703.11	.66
410.12	.575	459.12	.456	508.12	.419	557.12	.404	606.12	.4	655.11	.536	704.11	.646
411.12	.572	460.12	.453	509.11	.419	558.12	.402	607.12	.406	656.11	.543	705.11	.636
412.12	.568	461.11	.452	510.11	.418	559.11	.402	608.12	.409	657.11	.55	706.12	.622
413.12	.565	462.11	.451	511.12	.418	560.11	.401	609.11	.415	658.12	.559	707.11	.609
414.12	.562	463.11	.45	512.11	.417	561.11	.4	610.11	.421	659.11	.57	708.11	.59
415.12	.559	464.12	.448	513.11	.418	562.12	.398	611.11	.429	660.12	.578	709.11	.573
416.12	.556	465.11	.446	514.11	.416	563.11	.398	612.11	.435	661.11	.59	710.11	.557
417.12	.554	466.12	.445	515.11	.418	564.11	.397	613.11	.442	662.11	.6	711.11	.54
418.12	.55	467.12	.443	516.12	.417	565.11	.396	614.11	.447	663.11	.611	712.11	.522
419.12	.547	468.12	.442	517.12	.417	566.11	.394	615.11	.453	664.11	.621	713.11	.51
420.12	.545	469.12	.441	518.12	.417	567.11	.394	616.11	.458	665.11	.629	714.11	.496
421.12	.542	470.12	.44	519.11	.416	568.12	.392	617.11	.461	666.11	.636	715.11	.481
422.12	.538	471.12	.438	520.11	.416	569.11	.392	618.11	.465	667.11	.642	716.11	.47
423.11	.537	472.12	.438	521.11	.415	570.12	.39	619.11	.47	668.11	.645	717.11	.459
424.12	.532	473.12	.436	522.12	.415	571.11	.39	620.12	.474	669.11	.65	718.11	.448
425.12	.529	474.12	.435	523.12	.416	572.11	.389	621.12	.479	670.11	.652	719.11	.44
426.12	.527	475.11	.434	524.12	.415	573.12	.389	622.12	.484	671.11	.654	720.11	.433
427.12	.524	476.12	.434	525.11	.416	574.12	.388	623.11	.49	672.11	.653	721.11	.425
428.12	.523	477.11	.433	526.12	.416	575.11	.389	624.11	.496	673.11	.652	722.11	.419
429.11	.52	478.12	.433	527.11	.417	576.12	.387	625.11	.503	674.12	.651	723.11	.413
430.12	.516	479.12	.432	528.11	.417	577.11	.387	626.12	.512	675.11	.651	724.12	.406
431.12	.515	480.12	.431	529.11	.418	578.11	.386	627.11	.521	676.11	.65	725.11	.401
432.12	.513	481.11	.43	530.11	.417	579.11	.387	628.12	.53	677.11	.648	726.12	.395
433.12	.511	482.12	.429	531.11	.418	580.11	.385	629.11	.54	678.11	.647	727.11	.392
434.12	.509	483.12	.428	532.11	.418	581.11	.385	630.11	.547	679.11	.646	728.11	.387
435.11	.506	484.12	.427	533.11	.418	582.11	.385	631.11	.555	680.11	.646	729.11	.382
436.12	.503	485.12	.427	534.11	.417	583.12	.384	632.11	.562	681.11	.646	730.11	.375
437.12	.501	486.12	.426	535.11	.417	584.12	.383	633.11	.567	682.11	.646	731.11	.37
438.12	.499	487.12	.426	536.12	.417	585.11	.384	634.11	.571	683.11	.649	732.11	.372
439.12	.496	488.12	.426	537.11	.416	586.12	.383	635.11	.574	684.11	.65	733.11	.367
440.12	.494	489.11	.425	538.12	.416	587.11	.383	636.11	.574	685.11	.652	734.11	.366
441.11	.491	490.12	.425	539.11	.416	588.12	.383	637.11	.572	686.12	.654	735.11	.366
442.11	.488	491.12	.424	540.11	.415	589.11	.382	638.11	.569	687.11	.66	736.11	.362
443.11	.486	492.12	.423	541.11	.414	590.12	.382	639.11	.566	688.12	.664	737.11	.36
444.12	.485	493.11	.423	542.11	.414	591.11	.382	640.12	.562	689.11	.668	738.11	.358
445.11	.482	494.11	.422	543.11	.413	592.11	.382	641.11	.56	690.11	.671	739.11	.359
446.12	.48	495.11	.423	544.11	.413	593.11	.382	642.12	.555	691.11	.677	740.11	.355
447.11	.478	496.12	.421	545.11	.413	594.12	.382	643.11	.551	692.12	.682	741.11	.353
448.12	.475	497.11	.422	546.11	.412	595.11	.384	644.11	.545	693.11	.686	742.12	.353
449.11	.473	498.12	.422	547.11	.411	596.12	.383	645.11	.538	694.12	.69	743.11	.353
												744.12	.351
												745.11	.348
												746.11	.347
												747.11	.345
												748.11	.346
												749.11	.345

400.00	1.205	450.00	.641	499.00	.411	540.00	.396	597.00	.29	646.00	.355	695.00	.350
402.45	1.162	451.00	.632	500.00	.41	549.00	.395	598.00	.289	647.00	.354	696.00	.36
403.00	1.162	452.00	.624	501.00	.41	550.00	.392	599.00	.289	648.00	.353	697.00	.359
404.00	1.148	453.00	.616	502.00	.408	551.00	.39	600.00	.29	649.00	.35	698.00	.359
405.00	1.134	454.00	.607	503.00	.405	552.00	.388	601.00	.289	650.00	.349	699.00	.357
406.00	1.119	455.00	.598	504.00	.405	553.00	.385	602.00	.289	651.00	.348	700.00	.355
407.00	1.106	456.00	.593	505.00	.404	554.00	.382	603.00	.29	652.00	.349	701.00	.355
408.00	1.095	457.00	.586	506.00	.402	555.00	.379	604.00	.292	653.00	.348	702.00	.352
409.00	1.081	458.00	.58	507.00	.4	556.00	.376	605.00	.292	654.00	.348	703.00	.348
410.00	1.069	459.00	.572	508.00	.399	557.00	.372	606.00	.293	655.00	.348	704.00	.346
411.00	1.054	460.00	.564	509.00	.397	558.00	.37	607.00	.294	656.00	.351	705.00	.342
412.00	1.04	461.00	.558	510.00	.396	559.00	.364	608.00	.295	657.00	.352	706.00	.338
413.00	1.03	462.00	.554	511.00	.395	560.00	.363	609.00	.296	658.00	.354	707.00	.332
414.00	1.019	463.00	.545	512.00	.395	561.00	.359	610.00	.299	659.00	.355	708.00	.321
415.00	1.004	464.00	.54	513.00	.393	562.00	.354	611.00	.303	660.00	.359	709.00	.312
416.00	.992	465.00	.535	514.00	.392	563.00	.351	612.00	.308	661.00	.36	710.00	.306
417.00	.98	466.00	.527	515.00	.389	564.00	.349	613.00	.309	662.00	.363	711.00	.3
418.00	.968	467.00	.522	516.00	.389	565.00	.345	614.00	.309	663.00	.364	712.00	.292
419.00	.956	468.00	.518	517.00	.388	566.00	.342	615.00	.312	664.00	.368	713.00	.285
420.00	.946	469.00	.513	518.00	.387	567.00	.339	616.00	.316	665.00	.368	714.00	.281
421.00	.934	470.00	.508	519.00	.387	568.00	.336	617.00	.316	666.00	.369	715.00	.275
422.00	.923	471.00	.502	520.00	.387	569.00	.332	618.00	.318	667.00	.37	716.00	.271
423.00	.913	472.00	.497	521.00	.387	570.00	.33	619.00	.321	668.00	.371	717.00	.267
424.00	.899	473.00	.494	522.00	.387	571.00	.326	620.00	.323	669.00	.37	718.00	.264
425.00	.889	474.00	.49	523.00	.386	572.00	.323	621.00	.324	670.00	.369	719.00	.261
426.00	.88	475.00	.484	524.00	.388	573.00	.32	622.00	.328	671.00	.369	720.00	.259
427.00	.868	476.00	.48	525.00	.388	574.00	.317	623.00	.33	672.00	.368	721.00	.256
428.00	.858	477.00	.476	526.00	.389	575.00	.314	624.00	.333	673.00	.365	722.00	.255
429.00	.846	478.00	.472	527.00	.389	576.00	.313	625.00	.336	674.00	.363	723.00	.253
430.00	.835	479.00	.468	528.00	.39	577.00	.31	626.00	.339	675.00	.362	724.00	.253
431.00	.824	480.00	.466	529.00	.391	578.00	.308	627.00	.344	676.00	.36	725.00	.25
432.00	.816	481.00	.462	530.00	.39	579.00	.307	628.00	.349	677.00	.357	726.00	.248
433.00	.804	482.00	.459	531.00	.391	580.00	.305	629.00	.352	678.00	.356	727.00	.247
434.00	.795	483.00	.453	532.00	.393	581.00	.303	630.00	.355	679.00	.354	728.00	.247
435.00	.784	484.00	.449	533.00	.394	582.00	.301	631.00	.359	680.00	.354	729.00	.244
436.00	.774	485.00	.446	534.00	.395	583.00	.3	632.00	.364	681.00	.352	730.00	.241
437.00	.765	486.00	.443	535.00	.395	584.00	.299	633.00	.366	682.00	.351	731.00	.241
438.00	.757	487.00	.439	536.00	.396	585.00	.297	634.00	.368	683.00	.349	732.00	.241
439.00	.745	488.00	.436	537.00	.397	586.00	.296	635.00	.37	684.00	.35	733.00	.239
440.00	.735	489.00	.433	538.00	.398	587.00	.294	636.00	.372	685.00	.35	734.00	.238
441.00	.723	490.00	.43	539.00	.398	588.00	.295	637.00	.372	686.00	.35	735.00	.237
442.00	.713	491.00	.427	540.00	.398	589.00	.293	638.00	.37	687.00	.35	736.00	.238
443.00	.704	492.00	.424	541.00	.398	590.00	.293	639.00	.369	688.00	.352	737.00	.236
444.00	.695	493.00	.422	542.00	.399	591.00	.291	640.00	.369	689.00	.352	738.00	.236
445.00	.686	494.00	.421	543.00	.399	592.00	.29	641.00	.367	690.00	.352	739.00	.235
446.00	.678	495.00	.418	544.00	.399	593.00	.29	642.00	.366	691.00	.354	740.00	.236
447.00	.668	496.00	.416	545.00	.399	594.00	.29	643.00	.364	692.00	.356	741.00	.234
448.00	.657	497.00	.414	546.00	.397	595.00	.289	644.00	.362	693.00	.357	742.00	.233
449.00	.648	498.00	.413	547.00	.396	596.00	.29	645.00	.358	694.00	.357	743.00	.232
												744.00	.233
												745.00	.232
												746.00	.229
												747.00	.231
												748.00	.233
												749.00	.231

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400.63	4E-03	450.98	.011	499.97	.018	548.98	.018	597.97	.027	646.98	.041	695.97	.057
402.97	5E-03	451.97	.012	500.98	.016	549.97	.017	598.98	.027	647.97	.042	696.98	.056
403.97	4E-03	452.98	.011	501.97	.017	550.98	.017	599.97	.027	648.98	.04	697.97	.056
404.98	5E-03	453.97	.012	502.98	.017	551.97	.018	600.98	.027	649.97	.041	698.98	.057
405.97	6E-03	454.98	.012	503.97	.018	552.98	.018	601.97	.028	650.98	.041	699.97	.057
406.98	6E-03	455.97	.013	504.98	.017	553.97	.018	602.98	.029	651.97	.043	700.98	.056
407.97	6E-03	456.98	.012	505.97	.018	554.98	.017	603.97	.029	652.98	.042	701.97	.058
408.98	6E-03	457.97	.013	506.98	.017	555.97	.017	604.98	.028	653.97	.042	702.98	.058
409.97	8E-03	458.98	.012	507.97	.017	556.98	.016	605.97	.028	654.98	.043	703.97	.06
410.98	7E-03	459.97	.013	508.98	.018	557.97	.016	606.98	.029	655.97	.044	704.98	.059
411.97	7E-03	460.98	.013	509.97	.018	558.98	.016	607.97	.03	656.98	.043	705.97	.061
412.98	7E-03	461.97	.013	510.98	.017	559.97	.017	608.98	.029	657.97	.044	706.98	.061
413.97	8E-03	462.98	.014	511.97	.018	560.98	.016	609.97	.03	658.98	.044	707.97	.056
414.98	8E-03	463.97	.014	512.98	.018	561.97	.016	610.98	.03	659.97	.046	708.98	.05
415.97	8E-03	464.98	.014	513.97	.018	562.98	.016	611.97	.031	660.98	.045	709.97	.05
416.98	8E-03	465.97	.014	514.98	.017	563.97	.017	612.98	.031	661.97	.045	710.98	.048
417.97	9E-03	466.98	.015	515.97	.018	564.98	.016	613.97	.03	662.98	.045	711.97	.047
418.98	9E-03	467.97	.015	516.98	.018	565.97	.017	614.98	.031	663.97	.047	712.98	.045
419.97	9E-03	468.98	.014	517.97	.018	566.98	.016	615.97	.032	664.98	.045	713.97	.045
420.98	.01	469.97	.015	518.98	.018	567.97	.017	616.98	.031	665.97	.046	714.97	.044
421.97	9E-03	470.98	.015	519.97	.018	568.98	.016	617.97	.032	666.98	.047	715.97	.045
422.97	.01	471.97	.015	520.98	.018	569.97	.016	618.98	.032	667.97	.048	716.97	.045
423.97	.01	472.98	.015	521.97	.018	570.98	.017	619.97	.034	668.98	.047	717.97	.049
424.98	.01	473.97	.016	522.98	.018	571.97	.018	620.98	.033	669.97	.048	718.98	.049
425.97	.011	474.98	.015	523.97	.019	572.98	.017	621.97	.033	670.98	.048	719.97	.051
426.98	.011	475.97	.016	524.98	.019	573.97	.018	622.98	.033	671.97	.05	720.98	.053
427.97	.011	476.98	.016	525.97	.019	574.98	.018	623.97	.035	672.98	.049	721.97	.055
428.97	.011	477.97	.016	526.98	.019	575.97	.019	624.98	.034	673.97	.046	722.98	.058
429.97	.012	478.98	.016	527.97	.02	576.98	.018	625.97	.034	674.98	.051	723.97	.061
430.98	.013	479.97	.016	528.98	.018	577.97	.019	626.98	.035	675.97	.051	724.98	.061
431.97	.012	480.98	.015	529.97	.019	578.97	.019	627.97	.035	676.98	.05	725.97	.062
432.98	.012	481.97	.016	530.98	.018	579.97	.02	628.98	.035	677.97	.051	726.98	.063
433.97	.013	482.98	.016	531.97	.02	580.98	.02	629.97	.035	678.98	.052	727.97	.064
434.98	.013	483.97	.016	532.98	.019	581.97	.021	630.97	.036	679.97	.052	728.98	.064
435.97	.014	484.98	.015	533.97	.02	582.98	.021	631.97	.036	680.98	.051	729.97	.064
436.98	.013	485.97	.016	534.98	.018	583.97	.022	632.98	.035	681.97	.051	730.98	.065
437.97	.014	486.98	.016	535.97	.019	584.98	.022	633.97	.036	682.98	.052	731.97	.067
438.98	.013	487.97	.017	536.98	.019	585.97	.022	634.98	.037	683.97	.054	732.98	.065
439.97	.013	488.98	.015	537.97	.019	586.98	.023	635.97	.037	684.98	.053	733.97	.065
440.98	.012	489.97	.017	538.98	.018	587.97	.023	636.98	.037	685.97	.053	734.97	.066
441.97	.013	490.98	.015	539.97	.019	588.98	.024	637.97	.038	686.98	.054	735.97	.067
442.98	.013	491.97	.016	540.98	.019	589.97	.024	638.98	.038	687.97	.055	736.98	.065
443.97	.012	492.98	.016	541.97	.018	590.98	.025	639.97	.039	688.98	.053	737.97	.066
444.98	.011	493.97	.016	542.98	.017	591.97	.026	640.98	.038	689.97	.054	738.98	.065
445.97	.012	494.98	.016	543.97	.019	592.98	.025	641.97	.039	690.98	.054	739.97	.067
446.98	.012	495.97	.017	544.98	.018	593.97	.025	642.98	.039	691.97	.056	740.98	.063
447.97	.012	496.98	.016	545.97	.018	594.98	.026	643.97	.04	692.98	.055	741.97	.062
448.98	.011	497.97	.017	546.98	.018	595.97	.027	644.98	.04	693.97	.055	742.98	.063
449.97	.012	498.98	.018	547.97	.018	596.98	.026	645.97	.04	694.98	.056	743.97	.065
												744.98	.063
												745.97	.061
												746.98	.061
												747.97	.061
												748.98	.059
												749.97	.058

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400.06	3E-03	450.06	.014	499.06	.021	548.05	.024	597.06	.034	646.05	.049	695.06	.065
402.72	5E-03	451.06	.014	500.05	.022	549.06	.023	598.05	.035	647.06	.05	696.05	.066
403.06	5E-03	452.06	.015	501.06	.021	550.05	.023	599.06	.035	648.05	.051	697.06	.065
404.06	5E-03	453.06	.014	502.05	.023	551.06	.023	600.06	.036	649.06	.051	698.05	.065
405.06	5E-03	454.06	.015	503.06	.021	552.05	.023	601.06	.036	650.05	.051	699.06	.066
406.06	6E-03	455.06	.015	504.05	.022	553.06	.023	602.05	.037	651.06	.051	700.05	.067
407.07	6E-03	456.05	.015	505.06	.021	554.06	.023	603.06	.037	652.06	.052	701.06	.066
408.06	6E-03	457.06	.016	506.05	.022	555.06	.023	604.05	.037	653.06	.052	702.05	.066
409.06	6E-03	458.06	.016	507.06	.022	556.06	.024	605.06	.037	654.06	.051	703.06	.067
410.05	8E-03	459.06	.016	508.05	.023	557.06	.023	606.06	.037	655.06	.052	704.05	.069
411.06	7E-03	460.06	.017	509.06	.022	558.05	.023	607.06	.037	656.05	.054	705.06	.069
412.06	7E-03	461.06	.016	510.05	.023	559.06	.023	608.06	.039	657.06	.053	706.06	.071
413.07	7E-03	462.05	.017	511.06	.022	560.05	.023	609.06	.037	658.06	.053	707.06	.068
414.06	8E-03	463.06	.017	512.05	.023	561.06	.022	610.05	.038	659.06	.053	708.05	.062
415.06	8E-03	464.06	.018	513.06	.023	562.05	.023	611.06	.039	660.06	.056	709.06	.06
416.06	8E-03	465.06	.017	514.05	.024	563.06	.023	612.05	.039	661.06	.055	710.05	.059
417.06	9E-03	466.06	.018	515.06	.023	564.06	.023	613.06	.039	662.05	.054	711.06	.057
418.06	.01	467.06	.017	516.05	.024	565.06	.023	614.05	.04	663.06	.055	712.05	.056
419.06	.01	468.05	.019	517.06	.023	566.05	.023	615.06	.039	664.05	.056	713.06	.054
420.06	.01	469.06	.019	518.06	.024	567.06	.022	616.06	.041	665.06	.056	714.05	.056
421.06	.01	470.06	.019	519.06	.024	568.06	.023	617.06	.04	666.06	.056	715.06	.055
422.05	.011	471.06	.018	520.05	.024	569.06	.023	618.05	.041	667.06	.056	716.05	.055
423.06	.011	472.06	.019	521.06	.024	570.06	.023	619.06	.041	668.05	.057	717.06	.056
424.06	.011	473.06	.019	522.05	.024	571.06	.023	620.06	.043	669.06	.057	718.05	.058
425.06	.011	474.05	.019	523.06	.023	572.05	.024	621.06	.042	670.05	.058	719.06	.059
426.06	.012	475.06	.019	524.05	.025	573.06	.024	622.05	.042	671.06	.058	720.05	.062
427.06	.013	476.06	.02	525.06	.024	574.06	.025	623.06	.042	672.05	.059	721.06	.063
428.05	.013	477.06	.019	526.05	.024	575.06	.024	624.05	.044	673.06	.058	722.05	.066
429.06	.012	478.05	.019	527.06	.024	576.06	.026	625.06	.042	674.06	.059	723.06	.068
430.06	.012	479.06	.02	528.05	.024	577.06	.027	626.06	.043	675.06	.059	724.06	.071
431.06	.014	480.05	.019	529.06	.025	578.05	.027	627.06	.044	676.05	.061	725.06	.071
432.06	.014	481.06	.019	530.05	.025	579.06	.027	628.05	.044	677.06	.059	726.06	.071
433.06	.014	482.05	.02	531.06	.024	580.06	.028	629.06	.043	678.06	.059	727.06	.073
434.06	.015	483.06	.019	532.05	.025	581.06	.028	630.05	.044	679.06	.06	728.05	.075
435.06	.015	484.06	.02	533.06	.024	582.05	.028	631.06	.045	680.05	.061	729.06	.074
436.05	.016	485.06	.019	534.05	.024	583.06	.028	632.05	.046	681.06	.061	730.05	.073
437.06	.015	486.06	.02	535.06	.024	584.05	.03	633.06	.045	682.05	.061	731.06	.075
438.06	.015	487.06	.02	536.06	.025	585.06	.03	634.06	.045	683.06	.062	732.05	.076
439.06	.015	488.05	.02	537.06	.024	586.06	.03	635.06	.046	684.05	.062	733.06	.074
440.06	.015	489.06	.02	538.05	.024	587.06	.031	636.05	.047	685.06	.061	734.05	.075
441.06	.015	490.05	.021	539.06	.024	588.06	.031	637.06	.047	686.06	.062	735.06	.075
442.05	.016	491.06	.021	540.05	.025	589.06	.032	638.05	.047	687.06	.062	736.05	.075
443.06	.015	492.05	.021	541.06	.024	590.06	.031	639.06	.047	688.05	.064	737.06	.074
444.05	.015	493.06	.021	542.05	.025	591.06	.032	640.06	.048	689.06	.063	738.05	.072
445.06	.014	494.05	.021	543.06	.024	592.05	.034	641.06	.048	690.05	.064	739.06	.072
446.05	.014	495.06	.02	544.06	.024	593.06	.033	642.05	.047	691.06	.063	740.05	.075
447.06	.013	496.05	.022	545.06	.024	594.05	.034	643.06	.048	692.06	.065	741.06	.072
448.05	.015	497.06	.021	546.05	.024	595.06	.034	644.05	.05	693.06	.063	742.05	.07
449.06	.014	498.05	.021	547.06	.023	596.05	.035	645.06	.049	694.05	.064	743.06	.071
												744.06	.072
												745.06	.068
												746.05	.068
												747.06	.067
												748.05	.067
												749.06	.066

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480.66	.839	458.67	.328	499.67	.27	548.67	.257	597.66	.151	646.68	.122	695.67	.119
482.68	.826	451.67	.321	500.67	.269	549.67	.255	598.67	.149	647.67	.124	696.68	.129
483.67	.815	452.67	.315	501.66	.271	550.67	.252	599.66	.149	648.68	.122	697.67	.129
484.67	.805	453.67	.309	502.67	.27	551.66	.251	600.67	.146	649.67	.122	698.68	.13
485.67	.792	454.67	.303	503.66	.271	552.67	.248	601.67	.146	650.68	.122	699.67	.131
486.67	.783	455.66	.3	504.67	.271	553.67	.245	602.67	.145	651.67	.123	700.68	.13
487.67	.776	456.67	.295	505.67	.273	554.67	.242	603.66	.144	652.68	.122	701.67	.13
488.67	.764	457.66	.291	506.67	.272	555.67	.239	604.67	.142	653.67	.122	702.66	.132
489.66	.753	458.67	.286	507.66	.274	556.67	.236	605.67	.14	654.68	.122	703.67	.133
490.67	.743	459.67	.283	508.67	.274	557.67	.233	606.67	.139	655.68	.124	704.68	.132
491.66	.724	460.67	.279	509.66	.274	558.67	.231	607.67	.139	656.68	.122	705.67	.134
492.67	.717	461.66	.277	510.67	.274	559.66	.228	608.67	.137	657.67	.123	706.68	.134
493.67	.712	462.67	.274	511.66	.275	560.67	.223	609.66	.137	658.68	.122	707.67	.131
494.67	.698	463.66	.272	512.67	.274	561.66	.222	610.67	.136	659.67	.125	708.68	.125
495.67	.686	464.67	.269	513.66	.276	562.67	.218	611.66	.136	660.68	.123	709.67	.124
496.67	.673	465.67	.267	514.67	.276	563.66	.217	612.67	.134	661.67	.123	710.68	.123
497.67	.66	466.67	.264	515.66	.276	564.67	.213	613.66	.134	662.68	.123	711.67	.121
498.67	.648	467.66	.263	516.67	.276	565.66	.21	614.67	.132	663.67	.124	712.68	.118
499.67	.638	468.67	.262	517.67	.278	566.67	.207	615.66	.133	664.68	.123	713.67	.119
500.67	.624	469.67	.262	518.67	.278	567.66	.206	616.67	.131	665.67	.123	714.68	.117
501.67	.614	470.67	.26	519.66	.277	568.68	.202	617.66	.131	666.68	.124	715.67	.118
502.67	.6	471.67	.258	520.67	.278	569.67	.2	618.67	.13	667.67	.124	716.68	.118
503.66	.587	472.67	.259	521.67	.278	570.67	.197	619.66	.131	668.68	.123	717.67	.12
504.67	.574	473.66	.26	522.67	.277	571.67	.196	620.67	.129	669.67	.123	718.68	.122
505.67	.566	474.67	.26	523.66	.277	572.67	.193	621.67	.129	670.68	.124	719.67	.123
506.67	.553	475.66	.261	524.67	.276	573.67	.19	622.67	.128	671.67	.125	720.68	.125
507.66	.541	476.67	.261	525.66	.276	574.67	.188	623.66	.129	672.68	.124	721.67	.127
508.67	.529	477.66	.263	526.67	.275	575.67	.187	624.67	.126	673.67	.125	722.68	.123
509.66	.517	478.67	.263	527.66	.276	576.67	.183	625.66	.126	674.68	.124	723.67	.133
510.67	.505	479.66	.264	528.67	.276	577.66	.182	626.67	.126	675.67	.125	724.68	.132
511.67	.496	480.67	.264	529.66	.277	578.67	.18	627.66	.126	676.68	.125	725.67	.133
512.67	.485	481.66	.268	530.67	.275	579.66	.179	628.67	.125	677.67	.125	726.68	.134
513.67	.475	482.67	.266	531.66	.276	580.67	.176	629.66	.125	678.68	.126	727.67	.138
514.67	.464	483.66	.267	532.67	.276	581.66	.175	630.67	.124	679.67	.126	728.68	.134
515.67	.453	484.67	.267	533.66	.276	582.67	.174	631.66	.125	680.68	.125	729.67	.136
516.67	.442	485.67	.269	534.67	.276	583.67	.173	632.67	.124	681.67	.127	730.68	.138
517.67	.434	486.67	.269	535.66	.276	584.67	.17	633.66	.124	682.68	.126	731.67	.14
518.67	.424	487.66	.27	536.67	.275	585.66	.169	634.68	.124	683.67	.127	732.68	.136
519.67	.415	488.67	.27	537.67	.275	586.67	.167	635.68	.125	684.68	.126	733.67	.138
520.67	.405	489.66	.271	538.67	.273	587.67	.166	636.68	.123	685.67	.127	734.68	.138
521.66	.395	490.67	.271	539.67	.274	588.67	.164	637.67	.123	686.68	.127	735.67	.14
522.67	.386	491.67	.272	540.67	.272	589.67	.163	638.68	.123	687.67	.129	736.68	.139
523.66	.379	492.67	.271	541.66	.273	590.67	.161	639.68	.124	688.68	.128	737.67	.139
524.67	.37	493.66	.272	542.67	.27	591.66	.161	640.68	.123	689.67	.128	738.68	.14
525.66	.362	494.67	.271	543.66	.268	592.68	.158	641.68	.123	690.68	.128	739.67	.141
526.67	.354	495.66	.272	544.67	.266	593.66	.157	642.68	.122	691.67	.13	740.68	.138
527.66	.347	496.67	.269	545.66	.265	594.67	.156	643.67	.123	692.68	.129	741.67	.139
528.67	.339	497.66	.271	546.67	.262	595.66	.155	644.68	.122	693.67	.123	742.68	.141
529.66	.334	498.67	.27	547.66	.261	596.67	.152	645.67	.122	694.68	.129	743.67	.143
												744.68	.14
												745.67	.14
												746.68	.141
												747.67	.143
												748.68	.142
												749.67	.141

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400.19	.885	450.19	.335	499.19	.251	548.19	.29	597.19	.155	646.19	.116	695.18	.11
402.55	.774	451.19	.325	500.19	.252	549.19	.289	598.19	.154	647.19	.115	696.19	.121
403.19	.774	452.19	.32	501.19	.254	550.19	.287	599.19	.152	648.19	.116	697.19	.122
404.19	.763	453.19	.313	502.19	.254	551.19	.285	600.19	.151	649.19	.115	698.19	.122
405.19	.753	454.19	.308	503.19	.255	552.19	.284	601.19	.148	650.19	.115	699.19	.122
406.19	.742	455.19	.302	504.19	.257	553.19	.281	602.19	.147	651.19	.114	700.19	.123
407.19	.731	456.19	.297	505.19	.258	554.19	.278	603.19	.145	652.19	.115	701.18	.122
408.19	.723	457.19	.291	506.19	.259	555.19	.276	604.19	.144	653.19	.115	702.19	.121
409.19	.711	458.19	.287	507.19	.259	556.19	.274	605.19	.141	654.19	.115	703.19	.121
410.19	.702	459.19	.282	508.19	.261	557.19	.271	606.19	.14	655.19	.115	704.19	.122
411.18	.69	460.19	.278	509.19	.261	558.19	.27	607.19	.139	656.19	.117	705.19	.123
412.19	.68	461.18	.273	510.19	.261	559.19	.266	608.19	.137	657.19	.115	706.19	.126
413.19	.669	462.19	.27	511.19	.261	560.19	.264	609.19	.136	658.19	.114	707.19	.124
414.19	.661	463.19	.266	512.19	.263	561.19	.259	610.19	.135	659.19	.115	708.19	.119
415.19	.649	464.19	.263	513.18	.262	562.19	.254	611.19	.135	660.19	.115	709.19	.115
416.19	.639	465.19	.259	514.19	.265	563.19	.252	612.19	.135	661.19	.115	710.19	.115
417.18	.627	466.19	.257	515.19	.264	564.19	.249	613.19	.132	662.19	.116	711.19	.111
418.19	.613	467.19	.254	516.19	.266	565.19	.245	614.19	.13	663.18	.117	712.19	.11
419.19	.606	468.19	.252	517.19	.266	566.19	.242	615.19	.129	664.19	.117	713.19	.108
420.19	.599	469.19	.249	518.19	.268	567.19	.239	616.19	.129	665.19	.117	714.19	.109
421.19	.587	470.19	.248	519.19	.268	568.19	.235	617.19	.127	666.19	.117	715.18	.107
422.19	.577	471.19	.246	520.19	.27	569.19	.231	618.19	.126	667.19	.116	716.19	.108
423.18	.566	472.19	.245	521.19	.271	570.19	.228	619.19	.126	668.19	.116	717.19	.108
424.19	.557	473.19	.243	522.19	.273	571.19	.224	620.19	.128	669.19	.115	718.19	.11
425.19	.547	474.19	.243	523.19	.276	572.19	.222	621.19	.125	670.19	.115	719.19	.112
426.19	.538	475.19	.242	524.19	.277	573.19	.218	622.19	.124	671.19	.115	720.19	.114
427.19	.528	476.19	.242	525.19	.278	574.19	.214	623.19	.123	672.19	.116	721.19	.116
428.19	.52	477.19	.241	526.19	.28	575.19	.21	624.19	.124	673.19	.115	722.19	.113
429.18	.509	478.19	.238	527.19	.281	576.19	.209	625.19	.122	674.19	.116	723.19	.119
430.19	.499	479.19	.241	528.19	.281	577.19	.205	626.19	.121	675.19	.116	724.19	.123
431.19	.489	480.19	.24	529.19	.281	578.19	.202	627.19	.121	676.19	.117	725.19	.123
432.19	.481	481.19	.24	530.19	.283	579.19	.198	628.19	.122	677.19	.116	726.19	.124
433.19	.474	482.19	.241	531.19	.285	580.19	.195	629.19	.119	678.19	.117	727.19	.125
434.19	.467	483.19	.241	532.19	.288	581.19	.192	630.19	.119	679.19	.117	728.19	.128
435.19	.455	484.19	.242	533.19	.288	582.19	.19	631.18	.119	680.19	.119	729.19	.129
436.19	.446	485.19	.242	534.19	.291	583.19	.187	632.19	.119	681.18	.118	730.19	.129
437.19	.436	486.19	.243	535.19	.292	584.19	.185	633.19	.117	682.18	.119	731.19	.128
438.19	.426	487.19	.242	536.19	.292	585.19	.183	634.19	.117	683.18	.12	732.19	.128
439.19	.42	488.19	.243	537.19	.292	586.19	.181	635.19	.117	684.19	.12	733.19	.127
440.19	.414	489.19	.244	538.19	.293	587.19	.179	636.19	.118	685.19	.118	734.19	.127
441.19	.401	490.19	.245	539.19	.293	588.19	.177	637.19	.117	686.19	.117	735.19	.129
442.19	.392	491.19	.246	540.19	.295	589.19	.172	638.19	.117	687.19	.118	736.19	.133
443.19	.385	492.19	.245	541.19	.294	590.19	.171	639.19	.117	688.19	.119	737.19	.129
444.19	.379	493.19	.247	542.19	.294	591.19	.168	640.19	.116	689.19	.119	738.19	.13
445.19	.37	494.19	.248	543.19	.294	592.19	.167	641.19	.117	690.19	.12	739.19	.132
446.19	.362	495.19	.248	544.19	.295	593.19	.163	642.19	.117	691.19	.119	740.19	.133
447.19	.353	496.19	.25	545.19	.293	594.19	.163	643.19	.116	692.19	.121	741.19	.131
448.19	.347	497.19	.25	546.19	.293	595.19	.158	644.19	.115	693.19	.122	742.19	.13
449.19	.338	498.19	.25	547.19	.292	596.19	.158	645.19	.115	694.19	.122	743.19	.132
												744.19	.134
												745.19	.133
												746.19	.131
												747.19	.132
												748.19	.136
												749.19	.135

400.02	.916	450.02	.467	499.02	.348	548.01	.343	597.02	.448	646.01	.644	695.02	1.444
402.39	.883	451.02	.461	500.02	.347	549.02	.347	598.01	.453	647.02	.837	696.01	1.444
403.02	.883	452.02	.457	501.02	.347	550.02	.349	599.02	.457	648.01	.832	697.02	1.444
404.02	.873	453.02	.452	502.02	.347	551.02	.35	600.02	.462	649.02	.831	698.01	1.443
405.02	.861	454.02	.448	503.02	.347	552.01	.352	601.02	.469	650.01	.833	699.02	1.441
406.02	.848	455.02	.444	504.01	.347	553.02	.353	602.01	.476	651.02	.838	700.02	1.439
407.02	.837	456.02	.444	505.02	.347	554.02	.355	603.02	.483	652.01	.843	701.01	1.436
408.01	.828	457.02	.436	506.02	.346	555.02	.357	604.01	.491	653.02	.853	702.01	1.433
409.02	.816	458.02	.431	507.02	.345	556.02	.36	605.02	.5	654.01	.864	703.02	1.429
410.01	.806	459.02	.427	508.01	.345	557.02	.361	606.01	.511	655.02	.876	704.01	1.425
411.02	.793	460.02	.424	509.02	.345	558.01	.364	607.02	.522	656.01	.893	705.02	1.420
412.01	.782	461.02	.42	510.02	.344	559.02	.367	608.01	.535	657.02	.912	706.01	1.416
413.02	.772	462.01	.418	511.02	.343	560.01	.369	609.02	.552	658.01	.935	707.02	1.409
414.01	.762	463.02	.413	512.01	.342	561.02	.371	610.01	.571	659.02	.956	708.01	1.402
415.02	.75	464.01	.41	513.02	.342	562.01	.376	611.02	.588	660.01	.978	709.02	1.397
416.01	.741	465.02	.406	514.01	.343	563.02	.379	612.01	.605	661.02	1.001	710.01	1.392
417.02	.728	466.02	.403	515.02	.343	564.01	.381	613.02	.625	662.01	1.027	711.02	1.387
418.01	.716	467.02	.4	516.01	.343	565.02	.386	614.01	.642	663.02	1.05	712.01	1.381
419.02	.707	468.01	.398	517.02	.341	566.01	.389	615.02	.656	664.01	1.075	713.02	1.376
420.02	.699	469.02	.394	518.02	.343	567.02	.392	616.01	.672	665.02	1.096	714.01	1.372
421.02	.686	470.02	.392	519.02	.341	568.01	.396	617.02	.682	666.01	1.114	715.02	1.368
422.01	.677	471.02	.389	520.02	.341	569.02	.399	618.01	.695	667.02	1.132	716.01	1.364
423.02	.667	472.02	.387	521.02	.341	570.01	.402	619.02	.706	668.01	1.148	717.02	1.361
424.01	.658	473.02	.384	522.02	.341	571.02	.405	620.01	.719	669.02	1.162	718.01	1.357
425.02	.647	474.01	.384	523.02	.34	572.01	.408	621.02	.732	670.01	1.177	719.02	1.354
426.01	.64	475.02	.38	524.01	.341	573.02	.41	622.01	.747	671.02	1.187	720.01	1.352
427.02	.629	476.02	.379	525.02	.34	574.01	.414	623.02	.761	672.01	1.198	721.02	1.35
428.01	.622	477.02	.376	526.01	.341	575.02	.415	624.01	.773	673.02	1.207	722.01	1.349
429.02	.612	478.01	.374	527.02	.341	576.01	.416	625.02	.791	674.01	1.216	723.02	1.347
430.01	.603	479.02	.373	528.01	.34	577.02	.418	626.01	.808	675.02	1.225	724.01	1.346
431.02	.595	480.01	.371	529.02	.341	578.01	.419	627.02	.825	676.01	1.233	725.02	1.344
432.02	.590	481.02	.368	530.01	.341	579.02	.42	628.01	.843	677.02	1.242	726.01	1.344
433.02	.58	482.01	.367	531.02	.341	580.01	.421	629.02	.858	678.01	1.251	727.02	1.343
434.02	.573	483.02	.364	532.01	.341	581.02	.422	630.01	.872	679.02	1.258	728.01	1.343
435.02	.564	484.01	.363	533.02	.341	582.01	.422	631.02	.882	680.01	1.267	729.02	1.344
436.01	.557	485.02	.363	534.01	.342	583.02	.422	632.01	.894	681.02	1.279	730.01	1.345
437.02	.549	486.02	.361	535.02	.341	584.01	.424	633.02	.9	682.01	1.29	731.02	1.342
438.02	.543	487.02	.359	536.02	.341	585.02	.423	634.01	.906	683.01	1.3	732.01	1.344
439.02	.535	488.02	.358	537.02	.341	586.02	.425	635.02	.908	684.01	1.312	733.02	1.325
440.02	.528	489.02	.357	538.02	.341	587.02	.424	636.01	.907	685.02	1.324	734.01	1.318
441.02	.521	490.02	.354	539.02	.34	588.01	.426	637.02	.903	686.01	1.337	735.02	1.31
442.01	.514	491.02	.354	540.02	.34	589.02	.427	638.01	.9	687.02	1.352	736.01	1.303
443.02	.507	492.02	.354	541.02	.34	590.01	.428	639.02	.893	688.01	1.366	737.02	1.297
444.01	.502	493.02	.353	542.01	.341	591.02	.429	640.01	.887	689.01	1.379	738.01	1.294
445.02	.494	494.01	.352	543.02	.341	592.01	.431	641.02	.881	690.01	1.393	739.02	1.287
446.01	.489	495.02	.351	544.01	.342	593.02	.434	642.01	.876	691.02	1.406	740.01	1.282
447.02	.483	496.01	.351	545.02	.343	594.01	.437	643.02	.869	692.01	1.419	741.02	1.278
448.02	.477	497.02	.35	546.01	.343	595.02	.44	644.01	.86	693.02	1.43	742.01	1.277
449.02	.471	498.01	.35	547.02	.343	596.01	.444	645.02	.851	694.01	1.439	743.02	1.272
												744.01	1.27
												745.02	1.267
												746.01	1.263
												747.02	1.263
												748.01	1.26
												749.02	1.261

402.62	.535	453.1	.248	502.09	.147	551.1	.135	600.09	.082	649.09	.177	698.09	.305
405.1	.514	454.09	.242	503.1	.147	552.09	.135	601.09	.083	650.08	.176	699.09	.306
406.09	.504	455.1	.237	504.09	.147	553.09	.135	602.09	.082	651.09	.175	700.09	.306
407.1	.497	456.09	.235	505.1	.144	554.09	.135	603.09	.083	652.09	.177	701.09	.303
408.09	.49	457.1	.231	506.09	.143	555.09	.135	604.09	.082	653.1	.179	702.08	.3
409.09	.483	458.09	.228	507.09	.143	556.09	.133	605.09	.086	654.09	.181	703.09	.296
410.08	.475	459.1	.226	508.09	.143	557.1	.133	606.09	.085	655.09	.182	704.09	.291
411.1	.467	460.09	.222	509.1	.143	558.09	.132	607.1	.087	656.09	.186	705.09	.294
412.09	.461	461.09	.219	510.09	.142	559.1	.131	608.09	.088	657.09	.193	706.09	.278
413.1	.456	462.09	.216	511.1	.142	560.09	.129	609.1	.092	658.09	.198	707.1	.267
414.09	.449	463.1	.212	512.09	.141	561.09	.128	610.09	.096	659.1	.206	708.09	.254
415.1	.442	464.09	.209	513.09	.141	562.09	.125	611.09	.102	660.09	.213	709.09	.242
416.09	.435	465.1	.205	514.09	.139	563.09	.123	612.09	.106	661.09	.222	710.09	.231
417.1	.427	466.09	.201	515.09	.138	564.09	.122	613.09	.112	662.09	.23	711.09	.221
418.09	.42	467.1	.199	516.09	.137	565.1	.122	614.09	.116	663.09	.237	712.09	.208
419.1	.415	468.09	.198	517.1	.136	566.08	.12	615.09	.119	664.09	.245	713.09	.197
420.09	.409	469.1	.196	518.09	.134	567.1	.119	616.09	.124	665.09	.252	714.08	.187
421.1	.403	470.09	.193	519.1	.134	568.09	.117	617.09	.127	666.09	.257	715.09	.178
422.09	.399	471.1	.19	520.09	.135	569.1	.117	618.08	.129	667.09	.262	716.08	.167
423.1	.393	472.09	.188	521.1	.135	570.09	.116	619.1	.132	668.09	.266	717.09	.158
424.09	.385	473.1	.186	522.09	.135	571.09	.113	620.09	.135	669.09	.271	718.09	.148
425.1	.378	474.09	.183	523.1	.136	572.09	.111	621.09	.139	670.09	.274	719.09	.142
426.09	.373	475.1	.18	524.09	.135	573.1	.109	622.09	.142	671.09	.276	720.09	.137
427.1	.369	476.09	.177	525.1	.137	574.09	.109	623.09	.147	672.09	.278	721.09	.131
428.09	.364	477.1	.176	526.09	.136	575.1	.107	624.09	.151	673.09	.28	722.09	.126
429.09	.359	478.09	.174	527.1	.135	576.09	.105	625.09	.157	674.09	.281	723.1	.121
430.09	.353	479.1	.173	528.09	.136	577.1	.105	626.09	.162	675.09	.281	724.09	.116
431.1	.352	480.09	.17	529.1	.135	578.08	.104	627.09	.168	676.09	.28	725.09	.112
432.09	.347	481.1	.169	530.09	.136	579.09	.102	628.09	.175	677.09	.281	726.09	.108
433.1	.341	482.09	.168	531.09	.137	580.09	.1	629.09	.182	678.09	.278	727.09	.103
434.09	.334	483.1	.166	532.09	.138	581.09	.099	630.09	.188	679.09	.276	728.08	.099
435.1	.328	484.09	.164	533.1	.139	582.09	.098	631.09	.192	680.09	.275	729.09	.096
436.09	.322	485.1	.161	534.09	.138	583.09	.096	632.09	.196	681.09	.275	730.09	.09
437.1	.318	486.09	.16	535.1	.14	584.09	.093	633.09	.2	682.08	.274	731.09	.086
438.09	.313	487.1	.158	536.09	.14	585.09	.092	634.09	.204	683.09	.274	732.09	.083
439.1	.309	488.09	.158	537.1	.14	586.09	.09	635.09	.206	684.09	.275	733.09	.083
440.09	.304	489.1	.158	538.09	.139	587.09	.089	636.09	.207	685.09	.277	734.08	.078
441.1	.3	490.09	.157	539.1	.138	588.09	.088	637.09	.207	686.09	.278	735.09	.076
442.09	.295	491.1	.156	540.09	.138	589.1	.088	638.09	.205	687.09	.28	736.09	.075
443.1	.29	492.09	.156	541.1	.139	590.09	.087	639.1	.203	688.09	.282	737.09	.074
444.09	.286	493.1	.155	542.09	.138	591.09	.086	640.09	.201	689.09	.286	738.09	.071
445.1	.28	494.09	.153	543.1	.139	592.08	.086	641.1	.2	690.09	.287	739.09	.068
446.09	.275	495.1	.151	544.09	.141	593.09	.087	642.09	.197	691.09	.29	740.09	.068
447.1	.271	496.09	.149	545.1	.14	594.09	.086	643.09	.192	692.09	.292	741.09	.068
448.09	.266	497.1	.149	546.09	.139	595.09	.084	644.08	.189	693.09	.296	742.09	.063
449.1	.263	498.09	.147	547.09	.141	596.09	.083	645.09	.186	694.09	.298	743.1	.062
450.09	.258	499.1	.147	548.09	.14	597.09	.084	646.09	.182	695.09	.301	744.09	.061
451.1	.255	500.09	.148	549.1	.138	598.09	.083	647.09	.178	696.08	.303	745.1	.062
452.09	.252	501.1	.148	550.09	.136	599.09	.083	648.09	.177	697.09	.306	746.09	.061
												747.09	.059
												748.08	.061
												749.09	.061



400.9	.896	450.9	.419	499.89	.264	548.89	.224	597.89	.153	646.89	.131	695.89	.126
403.25	.849	451.9	.413	500.89	.263	549.89	.223	598.89	.152	647.89	.13	696.89	.126
403.9	.849	452.9	.407	501.89	.263	550.9	.221	599.89	.151	648.89	.129	697.89	.127
404.9	.834	453.9	.4	502.9	.262	551.89	.22	600.89	.15	649.89	.129	698.89	.128
405.9	.818	454.9	.395	503.89	.261	552.9	.217	601.89	.149	650.89	.129	699.89	.126
406.9	.805	455.9	.391	504.9	.259	553.89	.216	602.9	.148	651.89	.128	700.89	.126
407.9	.794	456.9	.386	505.89	.258	554.89	.214	603.89	.147	652.9	.128	701.89	.127
408.9	.782	457.9	.381	506.89	.258	555.89	.212	604.89	.146	653.89	.127	702.89	.127
409.89	.769	458.9	.376	507.89	.256	556.9	.209	605.89	.145	654.89	.128	703.89	.126
410.9	.758	459.89	.371	508.89	.256	557.89	.209	606.9	.146	655.89	.127	704.9	.125
411.9	.745	460.9	.366	509.89	.255	558.89	.207	607.89	.145	656.89	.127	705.89	.126
412.9	.734	461.89	.362	510.89	.253	559.89	.204	608.9	.143	657.89	.126	706.9	.127
413.9	.724	462.9	.358	511.89	.252	560.89	.201	609.89	.143	658.9	.127	707.89	.118
414.9	.713	463.9	.353	512.89	.252	561.89	.2	610.89	.143	659.89	.126	708.9	.113
415.9	.702	464.9	.349	513.89	.25	562.9	.197	611.89	.142	660.89	.125	709.89	.11
416.9	.691	465.9	.344	514.89	.249	563.89	.195	612.89	.143	661.89	.126	710.9	.108
417.89	.679	466.9	.341	515.89	.247	564.89	.192	613.89	.142	662.89	.128	711.89	.104
418.9	.67	467.9	.337	516.89	.247	565.89	.189	614.89	.142	663.89	.127	712.9	.103
419.9	.661	468.9	.333	517.89	.246	566.89	.187	615.89	.141	664.89	.127	713.89	.1
420.9	.652	469.9	.33	518.89	.246	567.89	.186	616.89	.14	665.89	.127	714.89	.098
421.89	.641	470.9	.326	519.89	.246	568.9	.184	617.89	.14	666.89	.128	715.89	.097
422.9	.632	471.9	.322	520.89	.244	569.89	.183	618.89	.14	667.89	.127	716.89	.098
423.89	.621	472.9	.319	521.89	.245	570.89	.181	619.89	.139	668.89	.127	717.89	.097
424.9	.613	473.9	.316	522.89	.243	571.89	.18	620.9	.138	669.89	.126	718.89	.099
425.89	.606	474.9	.313	523.89	.243	572.89	.179	621.89	.137	670.89	.127	719.89	.098
426.9	.596	475.89	.311	524.89	.243	573.89	.177	622.9	.137	671.89	.125	720.89	.1
427.89	.586	476.9	.307	525.89	.241	574.9	.176	623.89	.136	672.89	.125	721.89	.102
428.9	.579	477.89	.305	526.89	.242	575.89	.175	624.89	.135	673.89	.126	722.89	.105
429.89	.569	478.9	.302	527.89	.241	576.89	.173	625.89	.136	674.9	.126	723.89	.104
430.89	.561	479.89	.3	528.89	.241	577.89	.172	626.89	.136	675.89	.125	724.9	.105
431.89	.555	480.9	.297	529.89	.241	578.89	.172	627.89	.136	676.89	.125	725.89	.105
432.9	.545	481.89	.295	530.89	.241	579.89	.171	628.9	.137	677.89	.125	726.9	.11
433.89	.538	482.9	.294	531.89	.241	580.89	.17	629.89	.137	678.89	.126	727.89	.108
434.9	.529	483.89	.291	532.89	.241	581.89	.17	630.89	.137	679.89	.125	728.89	.108
435.89	.52	484.9	.289	533.89	.24	582.89	.169	631.89	.136	680.89	.125	729.89	.109
436.9	.514	485.89	.287	534.89	.239	583.89	.168	632.89	.136	681.89	.126	730.89	.111
437.89	.507	486.9	.285	535.89	.239	584.89	.167	633.89	.136	682.89	.126	731.89	.111
438.9	.5	487.89	.284	536.89	.239	585.89	.166	634.89	.136	683.89	.125	732.89	.11
439.89	.492	488.9	.281	537.89	.237	586.9	.165	635.89	.136	684.89	.124	733.89	.111
440.9	.485	489.89	.279	538.9	.236	587.89	.164	636.89	.135	685.89	.126	734.89	.112
441.89	.477	490.9	.278	539.89	.236	588.9	.163	637.89	.135	686.9	.126	735.89	.111
442.9	.47	491.89	.275	540.89	.234	589.89	.162	638.9	.135	687.89	.124	736.9	.11
443.9	.465	492.89	.273	541.89	.232	590.9	.161	639.89	.134	688.89	.125	737.89	.111
444.9	.458	493.89	.271	542.89	.232	591.89	.16	640.9	.134	689.89	.125	738.9	.113
445.9	.451	494.89	.27	543.89	.23	592.89	.157	641.89	.133	690.89	.126	739.89	.11
446.9	.444	495.89	.268	544.89	.229	593.89	.157	642.89	.134	691.89	.125	740.89	.109
447.9	.437	496.89	.268	545.89	.228	594.89	.156	643.89	.132	692.9	.126	741.89	.111
448.9	.431	497.89	.266	546.89	.227	595.89	.155	644.89	.131	693.89	.127	742.9	.114
449.9	.425	498.89	.265	547.89	.227	596.89	.154	645.89	.131	694.89	.127	743.89	.111
												744.9	.11
												745.89	.112
												746.89	.115
												747.89	.118
												748.89	.119
												749.89	.113

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400.19	3E-03	451.18	.013	501.18	.022	551.18	.024	601.18	.039	651.18	.053	700.18	.068
402.08	3E-03	452.18	.015	502.18	.022	552.18	.023	602.18	.039	652.18	.053	701.18	.069
403.18	3E-03	453.18	.015	503.18	.022	553.18	.021	603.18	.04	653.18	.052	702.18	.069
404.18	4E-03	454.18	.015	504.18	.02	554.18	.023	604.18	.04	654.18	.052	703.18	.07
405.18	4E-03	455.18	.014	505.18	.022	555.18	.023	605.18	.039	655.18	.053	704.18	.072
406.18	6E-03	456.18	.016	506.18	.024	556.18	.024	606.18	.04	656.18	.054	705.18	.072
407.18	5E-03	457.18	.016	507.18	.023	557.19	.023	607.18	.04	657.18	.054	706.18	.073
408.18	6E-03	458.18	.017	508.18	.024	558.18	.023	608.18	.042	658.18	.054	707.18	.069
409.18	6E-03	459.18	.017	509.18	.023	559.18	.024	609.18	.04	659.18	.055	708.18	.064
410.18	7E-03	460.18	.017	510.18	.024	560.18	.024	610.18	.04	660.18	.058	709.18	.061
411.18	6E-03	461.18	.017	511.18	.023	561.18	.024	611.18	.041	661.18	.057	710.18	.061
412.18	5E-03	462.18	.018	512.18	.024	562.18	-.024	612.18	.042	662.18	.058	711.18	.059
413.18	6E-03	463.18	.017	513.18	.023	563.18	.024	613.18	.039	663.18	.059	712.18	.057
414.18	8E-03	464.18	.018	514.18	.023	564.18	.024	614.18	.04	664.18	.06	713.18	.055
415.18	8E-03	465.18	.017	515.18	.023	565.18	.024	615.18	.04	665.18	.059	714.18	.056
416.18	8E-03	466.18	.018	516.18	.024	566.18	.025	616.18	.041	666.18	.06	715.18	.056
417.18	9E-03	467.18	.018	517.18	.025	567.18	.024	617.18	.04	667.18	.059	716.17	.055
418.18	.011	468.18	.02	518.18	.026	568.18	.025	618.18	.042	668.18	.06	717.18	.055
419.18	.01	469.18	.017	519.18	.026	569.18	.025	619.18	.043	669.18	.06	718.18	.058
420.18	.01	470.18	.018	520.18	.026	570.18	.024	620.18	.044	670.18	.06	719.18	.06
421.18	9E-03	471.18	.017	521.18	.025	571.18	.024	621.18	.044	671.18	.06	720.18	.063
422.18	.012	472.18	.018	522.18	.026	572.18	.025	622.18	.045	672.18	.06	721.18	.065
423.18	.011	473.18	.017	523.18	.025	573.19	.025	623.18	.045	673.18	.059	722.18	.067
424.18	.011	474.18	.019	524.18	.025	574.18	.025	624.18	.045	674.18	.059	723.18	.07
425.18	.011	475.18	.019	525.18	.026	575.18	.025	625.18	.045	675.18	.06	724.18	.073
426.18	.013	476.18	.021	526.18	.026	576.18	.027	626.18	.045	676.18	.061	725.18	.073
427.18	.013	477.18	.02	527.18	.025	577.18	.029	627.18	.045	677.18	.06	726.18	.074
428.18	.012	478.18	.021	528.18	.026	578.18	.029	628.18	.047	678.18	.06	727.18	.075
429.18	.012	479.18	.021	529.18	.025	579.18	.031	629.18	.047	679.18	.061	728.18	.077
430.18	.012	480.18	.022	530.18	.024	580.18	.033	630.18	.046	680.18	.062	729.18	.076
431.18	.012	481.18	.021	531.18	.024	581.18	.032	631.18	.047	681.18	.063	730.18	.076
432.18	.013	482.18	.022	532.18	.024	582.18	.031	632.18	.047	682.18	.064	731.18	.077
433.18	.012	483.18	.02	533.18	.024	583.18	.031	633.18	.046	683.18	.064	732.18	.079
434.18	.014	484.18	.023	534.18	.024	584.18	.032	634.18	.047	684.18	.065	733.18	.077
435.18	.014	485.18	.02	535.18	.024	585.18	.032	635.18	.047	685.18	.064	734.18	.076
436.18	.015	486.18	.021	536.18	.026	586.18	.032	636.18	.048	686.18	.064	735.18	.076
437.18	.015	487.18	.021	537.18	.026	587.18	.033	637.18	.047	687.18	.063	736.18	.076
438.18	.015	488.18	.021	538.18	.029	588.18	.034	638.18	.048	688.18	.066	737.18	.074
439.18	.015	489.18	.02	539.18	.029	589.18	.033	639.18	.049	689.18	.064	738.18	.073
440.18	.015	490.18	.02	540.18	.027	590.18	.033	640.18	.05	689.59	.065	739.18	.072
441.18	.014	491.18	.019	541.18	.025	591.18	.033	641.18	.047	690.18	.065	740.18	.074
442.18	.014	492.18	.02	542.18	.026	592.18	.034	642.18	.051	691.18	.066	741.18	.07
443.18	.014	493.18	.02	543.18	.026	593.18	.034	643.18	.051	692.18	.067	742.18	.069
444.18	.015	494.18	.02	544.18	.027	594.18	.034	644.18	.052	693.18	.066	743.18	.071
445.18	.014	495.18	.02	545.18	.025	595.18	.034	645.18	.051	694.18	.066	744.18	.072
446.18	.015	496.18	.021	546.18	.027	596.18	.036	646.18	.051	695.18	.065	745.18	.069
447.18	.015	497.18	.021	547.18	.026	597.18	.036	647.18	.052	696.18	.067	746.18	.069
448.18	.015	498.18	.022	548.18	.025	598.17	.037	648.18	.053	697.18	.066	747.18	.066
449.18	.014	499.18	.022	549.18	.024	599.18	.038	649.18	.052	698.18	.067	748.18	.067
450.18	.014	500.18	.022	550.18	.025	600.18	.039	650.18	.052	699.18	.068	749.18	.065

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400.01	2E-03	450	9E-03	499.01	.011	548	.011	597.01	.016	646	.028	695.01	.042
402.36	3E-03	451.01	8E-03	500	.01	549.01	.01	598	.016	647.01	.029	696	.041
403.01	3E-03	452	8E-03	501.01	.01	550	.01	599.01	.016	648	.029	697.01	.039
404.01	2E-03	453.01	9E-03	502	.011	551.01	.01	600	.016	649.01	.03	698	.04
405.01	4E-03	454	9E-03	503.01	.012	552	9E-03	601.01	.018	650	.031	699.01	.04
406.01	4E-03	455.01	9E-03	504	.012	553.01	7E-03	602	.019	651.01	.029	700	.041
407.02	4E-03	456	8E-03	505.01	.011	554	8E-03	603.01	.019	652	.028	701.01	.042
408.01	6E-03	457.01	8E-03	506	.011	555.01	8E-03	604	.019	653.01	.029	702	.044
409.01	4E-03	458	9E-03	507.01	.012	556	8E-03	605.01	.019	654	.03	703.01	.044
410	5E-03	459.01	.01	508	.011	557.01	9E-03	606	.018	655.01	.029	704	.043
411.01	5E-03	460	.01	509.01	.01	558	9E-03	607.01	.018	656	.03	705.01	.043
412.01	5E-03	461.01	.01	510	.01	559.01	8E-03	608	.018	657.01	.031	706	.046
413.01	4E-03	462	9E-03	511.01	.01	560	8E-03	609.01	.019	658.01	.033	707.01	.043
414.01	4E-03	463.01	.011	512	.011	561.01	8E-03	610	.02	659.01	.033	708	.038
415.01	6E-03	464	.01	513.01	.012	562	7E-03	611.01	.02	660	.03	709.01	.036
416.01	7E-03	465.01	9E-03	514	.013	563.01	6E-03	612	.02	661.01	.031	710	.034
417.01	7E-03	466	8E-03	515.01	.011	564	6E-03	613.01	.021	662	.032	711.01	.032
418.01	7E-03	467.01	9E-03	516	.012	565.01	7E-03	614	.022	663.01	.031	712	.033
419.01	6E-03	468	.011	517.01	.011	566	8E-03	615.01	.021	664	.032	713.01	.03
420.01	8E-03	469.01	.012	518	.01	567.01	8E-03	616	.02	665.01	.033	714	.028
421.01	7E-03	470	.011	519.01	.011	568	7E-03	617.01	.021	666	.034	715.01	.027
422.01	6E-03	471.01	.011	520	.011	569.01	9E-03	618	.022	667.01	.033	716	.029
423.01	7E-03	472	.012	521.01	.011	570	9E-03	619.01	.022	668	.033	717.01	.03
424.01	8E-03	473.01	.01	522	.013	571.01	7E-03	620	.022	669.01	.032	718	.031
425.01	9E-03	474	.01	523.01	.012	572	7E-03	621.01	.021	670	.035	719.01	.034
426	9E-03	475.01	9E-03	524	.012	573.01	8E-03	622	.023	671.01	.034	720	.036
427.01	9E-03	476	.01	525.01	.014	574	9E-03	623.01	.022	672	.035	721.01	.036
428	.01	477.01	.01	526	.012	575.01	9E-03	624	.022	673.01	.036	722	.042
429.01	9E-03	478	.011	527.01	.011	576	8E-03	625.01	.022	674	.038	723.01	.042
430.01	8E-03	479.01	.011	528	.011	577.01	9E-03	626	.023	675.01	.037	724	.043
431.01	8E-03	480	.012	529.01	.011	578	.01	627.01	.022	676	.037	725.01	.043
432	9E-03	481.01	.012	530	.012	579.01	.01	628	.023	677.01	.037	726	.046
433.01	.01	482	.011	531.01	.012	580	.01	629.01	.025	678	.037	727.01	.046
434.01	.01	483.01	.01	532	.011	581.01	.01	630	.025	679.01	.035	728	.046
435.01	.01	484	.01	533.01	.011	582	.012	631.01	.024	680	.036	729.01	.047
436.01	.011	485.01	.011	534	.012	583.01	.011	632	.025	681.01	.038	730	.049
437.01	.012	486.01	.012	535.01	.011	584	.012	633.01	.024	682	.04	731.01	.049
438.01	.011	487.01	.01	536	.011	585.01	.014	634	.024	683.01	.038	732	.047
439.01	9E-03	488	.011	537.01	.01	586	.014	635.01	.024	684	.038	733.01	.048
440	9E-03	489.01	.011	538	.011	587.01	.015	636	.025	685.01	.039	734	.048
441.01	.01	490	.012	539.01	.011	588	.013	637.01	.026	686	.039	735.01	.048
442	9E-03	491.01	.01	540	.011	589.01	.012	638	.026	687.01	.037	736	.048
443.01	9E-03	492	.01	541.01	.01	590	.014	639.01	.025	688	.037	737.01	.049
444	9E-03	493.01	.011	542	.012	591.01	.015	640	.026	689.01	.038	738	.05
445.01	8E-03	494	.011	543.01	.011	592	.015	641.01	.027	690	.04	739.01	.05
446	9E-03	495	.011	544	9E-03	593.01	.016	642	.026	691.01	.039	740	.049
447.01	8E-03	496	.011	545.01	9E-03	594	.016	643.01	.025	692	.04	741.01	.049
448	9E-03	497.01	.01	546	.01	595.01	.017	644	.024	693.01	.041	742	.048
449.01	8E-03	498	.012	547.01	.01	596	.017	645.01	.027	694	.042	743.01	.045
												744	.045
												745.01	.045
												746	.048
												747.01	.045
												748	.042
												749	.042

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402.01	.828	452.13	.333	501.13	.277	550.12	.254	599.13	.137	648.12	.108	697.13	.116
404.36	.79	453.13	.325	502.12	.277	551.13	.257	600.12	.138	649.13	.107	698.12	.116
405.13	.79	454.13	.319	503.13	.277	552.12	.254	601.13	.133	650.12	.106	699.13	.117
406.12	.778	455.13	.314	504.12	.277	553.13	.247	602.13	.133	651.13	.107	700.12	.118
407.13	.766	456.12	.307	505.13	.276	554.13	.245	603.13	.132	652.13	.107	701.13	.118
400.12	.753	457.13	.304	506.12	.273	555.13	.242	604.12	.131	653.13	.107	702.12	.118
409.13	.743	458.12	.3	507.13	.277	556.13	.237	605.13	.129	654.13	.106	703.13	.119
410.12	.73	459.13	.291	508.12	.279	557.13	.234	606.12	.129	655.13	.108	704.12	.119
411.13	.719	460.12	.29	509.13	.28	558.12	.232	607.13	.131	656.12	.107	705.13	.121
412.12	.703	461.13	.286	510.12	.287	559.13	.228	608.12	.123	657.13	.106	706.13	.122
413.13	.7	462.12	.284	511.13	.276	560.12	.226	609.13	.125	658.13	.105	707.13	.121
414.13	.697	463.13	.282	512.12	.278	561.13	.22	610.12	.124	659.13	.108	708.12	.115
415.13	.669	464.13	.278	513.13	.28	562.12	.223	611.13	.122	660.13	.107	709.13	.111
416.12	.664	465.13	.273	514.12	.284	563.13	.217	612.12	.122	661.13	.107	710.12	.111
417.13	.649	466.13	.272	515.13	.277	564.12	.213	613.13	.12	662.13	.106	711.13	.11
418.12	.638	467.13	.271	516.12	.279	565.13	.209	614.12	.119	663.13	.107	712.12	.108
419.13	.631	468.12	.266	517.13	.278	566.12	.206	615.13	.118	664.13	.109	713.13	.104
420.12	.614	469.13	.265	518.12	.282	567.13	.203	616.12	.116	665.13	.107	714.12	.105
421.13	.607	470.12	.263	519.13	.281	568.12	.203	617.13	.115	666.12	.109	715.13	.105
422.12	.594	471.13	.265	520.12	.282	569.13	.2	618.12	.117	667.13	.109	716.12	.105
423.13	.584	472.13	.264	521.13	.282	570.12	.196	619.13	.115	668.12	.108	717.13	.107
424.12	.56	473.13	.26	522.12	.281	571.13	.195	620.12	.115	669.13	.108	718.12	.109
425.13	.563	474.12	.261	523.13	.283	572.12	.192	621.13	.113	670.12	.111	719.13	.111
426.12	.561	475.13	.259	524.12	.29	573.13	.186	622.13	.113	671.13	.11	720.12	.113
427.13	.544	476.12	.252	525.13	.283	574.13	.192	623.13	.113	672.13	.113	721.13	.113
428.12	.529	477.13	.262	526.12	.282	575.13	.182	624.13	.112	673.13	.112	722.12	.117
429.13	.529	478.12	.263	527.13	.283	576.12	.181	625.13	.111	674.12	.109	723.13	.118
430.12	.505	479.13	.264	528.12	.283	577.13	.179	626.12	.11	675.13	.109	724.13	.121
431.13	.502	480.12	.265	529.13	.28	578.12	.175	627.13	.11	676.12	.111	725.13	.122
432.12	.493	481.13	.263	530.12	.282	579.13	.174	628.12	.113	677.13	.111	726.13	.121
433.13	.483	482.12	.262	531.13	.28	580.12	.171	629.13	.109	678.12	.109	727.13	.124
434.12	.476	483.13	.264	532.13	.284	581.13	.173	630.12	.111	679.13	.112	728.12	.127
435.13	.466	484.12	.262	533.13	.279	582.12	.168	631.13	.11	680.12	.111	729.13	.124
436.12	.455	485.13	.26	534.13	.279	583.13	.166	632.13	.109	681.13	.11	730.12	.126
437.13	.452	486.12	.269	535.13	.278	584.12	.165	633.13	.108	682.12	.116	731.13	.126
438.12	.436	487.13	.272	536.12	.276	585.13	.162	634.13	.108	683.13	.114	732.12	.129
439.13	.429	488.12	.277	537.13	.277	586.12	.159	635.13	.109	684.12	.111	733.13	.126
440.12	.426	489.13	.268	538.12	.274	587.13	.159	636.12	.111	685.13	.113	734.12	.126
441.13	.415	490.12	.275	539.13	.275	588.12	.159	637.13	.107	686.13	.112	735.13	.13
442.12	.404	491.13	.275	540.12	.272	589.13	.154	638.12	.107	687.13	.113	736.12	.13
443.13	.395	492.12	.274	541.13	.27	590.12	.151	639.13	.107	688.12	.115	737.13	.128
444.12	.387	493.13	.275	542.12	.273	591.13	.15	640.12	.107	689.13	.114	738.12	.128
445.13	.38	494.12	.275	543.13	.271	592.12	.145	641.13	.107	690.12	.116	739.13	.128
446.12	.372	495.13	.275	544.12	.27	593.13	.149	642.13	.109	691.13	.114	740.12	.13
447.13	.365	496.12	.277	545.13	.269	594.12	.148	643.13	.107	692.13	.119	741.13	.129
448.12	.357	497.13	.274	546.12	.27	595.13	.143	644.12	.108	693.13	.117	742.13	.128
449.13	.35	498.12	.277	547.13	.267	596.12	.143	645.13	.106	694.13	.122	743.13	.128
450.12	.344	499.13	.279	548.12	.261	597.13	.141	646.13	.105	695.13	.117	744.13	.132
451.13	.336	500.12	.277	549.13	.257	598.12	.143	647.13	.107	696.12	.117	745.13	.127
												746.13	.128
												747.13	.13
												748.12	.13
												749.13	.129

481.65	.788	451.62	.262	588.62	.229	549.61	.258	598.62	.116	647.62	.894	696.62	.186
484.35	.679	452.62	.256	581.62	.231	558.62	.261	599.61	.114	648.62	.891	697.61	.183
484.62	.679	453.62	.252	582.62	.231	551.61	.256	600.62	.114	649.61	.893	698.62	.186
485.62	.668	454.62	.25	583.61	.231	552.62	.253	601.62	.11	650.62	.893	699.61	.182
486.63	.656	455.62	.242	584.62	.23	553.61	.25	602.62	.108	651.62	.892	700.62	.183
487.62	.649	456.62	.238	585.62	.231	554.62	.252	603.62	.107	652.62	.894	701.61	.184
488.62	.642	457.62	.233	586.62	.235	555.62	.243	604.62	.107	653.62	.891	702.62	.183
489.62	.629	458.62	.232	587.61	.234	556.62	.243	605.62	.107	654.62	.892	703.61	.183
410.62	.623	459.62	.221	588.62	.236	557.62	.237	606.62	.111	655.62	.892	704.62	.187
411.62	.689	460.62	.219	589.61	.232	558.62	.234	607.62	.104	656.62	.894	705.61	.188
412.62	.598	461.62	.217	518.62	.238	559.62	.229	608.62	.105	657.61	.894	706.62	.188
413.62	.59	462.62	.218	511.61	.233	568.63	.226	609.62	.101	658.62	.893	707.61	.183
414.62	.58	463.62	.209	512.62	.242	561.62	.222	610.62	.092	659.62	.895	708.62	.095
415.62	.565	464.62	.21	513.61	.241	562.62	.217	611.61	.101	660.62	.896	709.61	.097
416.62	.562	465.62	.206	514.62	.239	563.62	.214	612.62	.097	661.61	.894	710.62	.097
417.62	.549	466.62	.205	515.61	.241	564.62	.21	613.62	.098	662.62	.893	711.61	.094
418.63	.539	467.62	.202	516.62	.246	565.62	.204	614.62	.099	663.61	.895	712.62	.092
419.62	.532	468.62	.202	517.62	.243	566.62	.203	615.62	.096	664.62	.896	713.61	.094
420.63	.515	469.62	.201	518.62	.248	567.62	.198	616.62	.097	665.61	.896	714.62	.092
421.62	.511	470.62	.205	519.61	.249	568.62	.195	617.61	.095	666.62	.892	715.61	.091
422.62	.5	471.62	.2	520.62	.249	569.62	.189	618.62	.102	667.61	.896	716.62	.092
423.62	.492	472.62	.198	521.62	.249	578.62	.19	619.62	.095	668.62	.895	717.61	.096
424.62	.481	473.62	.197	522.62	.256	571.62	.183	620.62	.099	669.61	.894	718.62	.098
425.62	.475	474.62	.199	523.62	.254	572.62	.178	621.62	.092	670.62	.895	719.61	.094
426.62	.464	475.62	.198	524.62	.257	573.62	.172	622.62	.096	671.62	.898	720.62	.1
427.62	.455	476.62	.199	525.61	.257	574.62	.172	623.62	.093	672.62	.898	721.61	.101
428.62	.446	477.62	.202	526.62	.257	575.62	.169	624.62	.092	673.62	.897	722.62	.101
429.62	.434	478.62	.202	527.61	.259	576.62	.165	625.62	.093	674.62	.897	723.62	.106
430.62	.425	479.61	.2	528.62	.261	577.62	.161	626.62	.096	675.61	.898	724.62	.105
431.62	.419	480.62	.201	529.61	.263	578.62	.16	627.62	.093	676.62	.1	725.62	.107
432.62	.41	481.62	.202	530.62	.265	579.62	.154	628.62	.093	677.61	.1	726.62	.108
433.62	.402	482.62	.205	531.61	.267	580.62	.153	629.61	.092	678.62	.1	727.61	.11
434.62	.396	483.62	.205	532.62	.27	581.62	.151	630.62	.092	679.61	.099	728.62	.111
435.62	.383	484.62	.198	533.61	.27	582.62	.148	631.61	.092	680.62	.104	729.61	.11
436.62	.376	485.62	.207	534.62	.269	583.62	.145	632.62	.091	681.61	.099	730.62	.109
437.62	.366	486.62	.21	535.61	.272	584.62	.142	633.61	.092	682.62	.097	731.61	.112
438.62	.358	487.62	.21	536.62	.269	585.61	.141	634.62	.09	683.61	.1	732.62	.115
439.62	.351	488.62	.212	537.61	.27	586.62	.139	635.62	.091	684.62	.1	733.61	.116
440.62	.342	489.61	.212	538.62	.273	587.61	.137	636.62	.091	685.61	.098	734.62	.114
441.62	.336	490.62	.213	539.61	.274	588.62	.135	637.61	.09	686.62	.107	735.61	.113
442.62	.328	491.62	.216	540.62	.274	589.62	.132	638.62	.091	687.61	.1	736.62	.115
443.62	.318	492.62	.218	541.61	.27	590.62	.124	639.62	.093	688.62	.101	737.61	.113
444.62	.311	493.62	.218	542.62	.27	591.61	.123	640.62	.095	689.61	.101	738.62	.113
445.62	.303	494.62	.22	543.61	.27	592.62	.126	641.62	.09	690.62	.102	739.61	.115
446.62	.296	495.62	.222	544.62	.269	593.62	.124	642.62	.096	691.61	.104	740.62	.115
447.62	.288	496.62	.224	545.61	.268	594.62	.124	643.62	.092	692.62	.103	741.61	.112
448.62	.284	497.61	.225	546.61	.267	595.62	.12	644.62	.091	693.62	.102	742.62	.113
449.62	.274	498.62	.224	547.61	.265	596.62	.124	645.62	.094	694.62	.103	743.62	.115
450.62	.272	499.61	.226	548.62	.261	597.61	.118	646.62	.092	695.61	.101	744.62	.116
												745.62	.116
												746.62	.114
												747.61	.115
												748.62	.118
												749.61	.116

400.34	.661	458.34	.28	499.35	.282	548.34	.223	597.34	.581	646.34	.746	695.34	.831
402.72	.627	451.35	.277	500.34	.281	549.35	.223	598.34	.588	647.34	.75	696.34	.819
403.35	.627	452.34	.275	501.34	.2	550.34	.226	599.34	.589	648.34	.754	697.34	.799
404.34	.617	453.35	.27	502.34	.281	551.34	.229	600.34	.514	649.34	.76	698.34	.777
405.35	.686	454.34	.265	503.34	.282	552.34	.23	601.35	.517	650.33	.765	699.34	.762
406.34	.594	455.35	.264	504.34	.281	553.35	.232	602.34	.524	651.34	.766	700.34	.741
407.35	.585	456.34	.263	505.35	.281	554.34	.235	603.34	.524	652.34	.772	701.34	.719
408.34	.573	457.35	.259	506.34	.2	555.35	.237	604.34	.528	653.34	.773	702.33	.698
409.35	.565	458.34	.26	507.34	.2	556.34	.241	605.34	.531	654.34	.779	703.34	.676
410.34	.554	459.34	.253	508.34	.2	557.35	.242	606.34	.531	655.34	.782	704.34	.653
411.35	.541	460.34	.25	509.35	.2	558.34	.246	607.34	.534	656.33	.788	705.34	.627
412.34	.53	461.34	.25	510.34	.2	559.35	.247	608.34	.536	657.34	.792	706.34	.681
413.35	.524	462.34	.248	511.35	.281	560.34	.253	609.34	.536	658.34	.795	707.34	.574
414.34	.586	463.35	.245	512.34	.281	561.35	.255	610.34	.539	659.34	.802	708.34	.544
415.35	.583	464.34	.243	513.34	.2	562.34	.257	611.34	.539	660.34	.807	709.34	.517
416.34	.498	465.35	.24	514.34	.199	563.34	.262	612.34	.545	661.34	.812	710.34	.493
417.35	.484	466.34	.238	515.35	.282	564.34	.265	613.35	.546	662.34	.82	711.34	.465
418.34	.474	467.34	.236	516.34	.281	565.35	.269	614.34	.548	663.34	.826	712.34	.438
419.35	.463	468.34	.236	517.35	.286	566.34	.273	615.35	.553	664.34	.835	713.34	.418
420.34	.459	469.35	.235	518.34	.283	567.35	.277	616.34	.559	665.34	.84	714.34	.4
421.35	.449	470.34	.231	519.35	.281	568.34	.284	617.34	.563	666.34	.844	715.34	.379
422.34	.441	471.35	.231	520.34	.284	569.34	.289	618.34	.567	667.34	.854	716.34	.362
423.35	.433	472.34	.23	521.35	.282	570.34	.294	619.34	.575	668.34	.864	717.34	.347
424.34	.424	473.34	.228	522.34	.284	571.35	.3	620.34	.582	669.34	.869	718.34	.332
425.35	.418	474.34	.226	523.35	.284	572.34	.307	621.34	.589	670.34	.875	719.34	.32
426.34	.409	475.35	.226	524.34	.284	573.35	.313	622.34	.598	671.34	.884	720.34	.311
427.35	.405	476.34	.223	525.35	.285	574.34	.318	623.34	.605	672.34	.891	721.34	.301
428.34	.398	477.35	.222	526.34	.287	575.35	.321	624.34	.614	673.34	.897	722.34	.292
429.34	.39	478.34	.218	527.35	.285	576.34	.331	625.34	.623	674.34	.903	723.34	.282
430.34	.38	479.35	.219	528.34	.288	577.35	.336	626.34	.632	675.34	.907	724.34	.276
431.35	.375	480.34	.215	529.34	.287	578.34	.343	627.34	.638	676.34	.916	725.34	.267
432.34	.372	481.34	.214	530.34	.287	579.35	.352	628.34	.646	677.34	.919	726.34	.26
433.35	.364	482.34	.216	531.35	.285	580.34	.361	629.34	.652	678.34	.924	727.34	.254
434.34	.36	483.35	.216	532.34	.287	581.35	.367	630.34	.657	679.34	.925	728.34	.25
435.35	.351	484.34	.211	533.34	.286	582.34	.374	631.34	.663	680.34	.929	729.34	.244
436.34	.35	485.35	.213	534.34	.21	583.35	.383	632.33	.668	681.34	.929	730.34	.237
437.35	.342	486.34	.213	535.35	.287	584.34	.394	633.34	.675	682.33	.932	731.34	.232
438.34	.342	487.35	.289	536.34	.289	585.35	.483	634.34	.677	683.34	.929	732.34	.23
439.35	.33	488.34	.289	537.34	.289	586.34	.414	635.34	.686	684.34	.929	733.34	.225
440.34	.324	489.35	.287	538.34	.211	587.35	.423	636.34	.69	685.34	.924	734.33	.219
441.34	.322	490.34	.284	539.35	.21	588.34	.434	637.34	.696	686.34	.921	735.34	.216
442.34	.314	491.35	.287	540.34	.212	589.35	.445	638.34	.7	687.34	.915	736.34	.215
443.35	.31	492.34	.286	541.35	.212	590.34	.454	639.34	.787	688.34	.988	737.34	.211
444.34	.387	493.34	.286	542.34	.22	591.35	.465	640.34	.717	689.34	.983	738.34	.289
445.35	.297	494.34	.284	543.34	.215	592.34	.476	641.34	.72	690.34	.893	739.34	.286
446.34	.296	495.35	.283	544.34	.217	593.35	.481	642.34	.725	691.34	.883	740.34	.286
447.34	.293	496.34	.282	545.34	.217	594.34	.488	643.34	.731	692.34	.871	741.34	.282
448.34	.288	497.35	.284	546.33	.218	595.35	.493	644.34	.737	693.34	.859	742.34	.199
449.35	.282	498.34	.283	547.35	.221	596.34	.497	645.34	.741	694.34	.847	743.34	.198
												744.34	.2
												745.35	.195
												746.34	.193
												747.34	.193
												748.34	.194
												749.34	.192

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400.71	.299	450.71	.138	499.71	.185	548.71	.1	597.71	.093	646.71	.11	695.71	.129
403.07	.287	451.71	.137	500.71	.181	549.71	.099	598.71	.088	647.71	.111	696.71	.13
403.71	.287	452.71	.134	501.71	.188	550.71	.098	599.71	.089	648.71	.11	697.71	.131
404.71	.278	453.71	.135	502.71	.185	551.71	.094	600.71	.089	649.71	.113	698.71	.129
405.71	.274	454.71	.13	503.71	.11	552.71	.097	601.71	.096	650.71	.112	699.71	.128
406.71	.273	455.71	.13	504.71	.182	553.71	.102	602.71	.092	651.71	.114	700.71	.13
407.71	.266	456.71	.126	505.71	.183	554.71	.095	603.71	.094	652.72	.113	701.7	.123
408.71	.264	457.71	.127	506.71	.187	555.71	.101	604.71	.09	653.71	.113	702.71	.127
409.71	.259	458.71	.125	507.71	.184	556.71	.092	605.71	.086	654.71	.114	703.71	.128
410.71	.255	459.71	.128	508.71	.183	557.71	.09	606.72	.089	655.71	.114	704.71	.128
411.71	.249	460.71	.124	509.71	.183	558.71	.088	607.71	.094	656.71	.115	705.71	.129
412.72	.245	461.71	.123	510.71	.186	559.71	.102	608.71	.09	657.71	.115	706.71	.128
413.71	.243	462.71	.121	511.71	.188	560.71	.09	609.71	.095	658.72	.116	707.71	.12
414.71	.24	463.71	.121	512.71	.184	561.71	.09	610.71	.088	659.71	.119	708.71	.114
415.71	.235	464.71	.119	513.71	.182	562.71	.09	611.71	.092	660.71	.118	709.71	.115
416.71	.233	465.71	.123	514.71	.186	563.71	.09	612.71	.094	661.71	.118	710.71	.111
417.71	.227	466.71	.115	515.71	.185	564.71	.089	613.71	.092	662.71	.12	711.71	.188
418.71	.224	467.71	.116	516.71	.184	565.71	.084	614.71	.091	663.71	.118	712.71	.187
419.71	.223	468.71	.116	517.71	.187	566.71	.086	615.71	.092	664.71	.122	713.71	.182
420.72	.219	469.71	.111	518.71	.186	567.71	.087	616.71	.094	665.71	.121	714.71	.183
421.71	.214	470.71	.113	519.71	.187	568.71	.086	617.71	.095	666.71	.12	715.71	.1
422.71	.213	471.71	.113	520.71	.189	569.71	.083	618.71	.093	667.71	.124	716.71	.182
423.71	.209	472.72	.115	521.71	.185	570.72	.086	619.71	.095	668.71	.123	717.71	.382
424.71	.205	473.71	.188	522.71	.186	571.71	.085	620.71	.095	669.71	.126	718.71	.183
425.71	.205	474.71	.116	523.71	.189	572.71	.084	621.71	.099	670.71	.125	719.71	.184
426.71	.198	475.71	.111	524.71	.187	573.71	.086	622.71	.099	671.71	.125	720.71	.185
427.71	.198	476.71	.112	525.71	.186	574.72	.085	623.71	.095	672.71	.126	721.71	.187
428.71	.194	477.71	.114	526.71	.1	575.71	.08	624.71	.098	673.71	.124	722.71	.189
429.7	.191	478.71	.111	527.71	.121	576.71	.08	625.71	.097	674.71	.126	723.71	.189
430.71	.188	479.71	.112	528.71	.186	577.71	.087	626.71	.099	675.71	.128	724.71	.189
431.71	.189	480.71	.114	529.71	.186	578.71	.086	627.71	.101	676.71	.128	725.71	.113
432.71	.182	481.71	.189	530.71	.186	579.71	.08	628.71	.183	677.71	.13	726.71	.111
433.71	.179	482.71	.188	531.71	.187	580.71	.084	629.71	.182	678.71	.13	727.71	.187
434.71	.179	483.71	.189	532.71	.187	581.71	.089	630.71	.186	679.71	.131	728.71	.111
435.71	.173	484.71	.189	533.71	.187	582.71	.085	631.71	.099	680.71	.131	729.71	.115
436.71	.172	485.71	.189	534.71	.186	583.71	.083	632.71	.185	681.71	.132	730.71	.111
437.71	.17	486.71	.189	535.71	.1	584.71	.085	633.71	.187	682.71	.13	731.71	.112
438.71	.167	487.71	.111	536.71	.185	585.71	.084	634.71	.185	683.71	.13	732.71	.112
439.71	.164	488.71	.189	537.71	.111	586.71	.085	635.71	.187	684.71	.131	733.7	.112
440.71	.161	489.71	.12	538.71	.185	587.71	.088	636.71	.188	685.71	.133	734.71	.111
441.71	.158	490.71	.185	539.71	.189	588.71	.087	637.71	.188	686.71	.131	735.71	.11
442.71	.156	491.71	.182	540.71	.184	589.71	.09	638.72	.188	687.71	.132	736.71	.112
443.71	.155	492.71	.11	541.71	.185	590.71	.088	639.71	.188	688.71	.129	737.71	.189
444.71	.151	493.71	.184	542.71	.183	591.71	.088	640.72	.187	689.71	.132	738.71	.189
445.71	.136	494.71	.111	543.71	.182	592.71	.09	641.71	.11	690.71	.131	739.71	.188
446.71	.148	495.71	.185	544.71	.187	593.71	.084	642.71	.188	691.71	.129	740.71	.189
447.71	.144	496.71	.11	545.71	.184	594.71	.087	643.71	.187	692.71	.13	741.71	.111
448.71	.14	497.71	.189	546.71	.1	595.71	.084	644.71	.11	693.71	.133	742.71	.111
449.71	.141	498.71	.184	547.71	.098	596.71	.095	645.71	.11	694.71	.133	743.71	.188
												744.71	.187
												745.71	.111
												746.71	.188
												747.7	.188
												748.71	.188
												749.71	.111

400.05	1.766	450.04	.857	499.05	.436	548.04	.375	597.05	.265	646.04	.257	695.04	.18
402.41	1.787	451.05	.841	500.04	.433	549.05	.375	598.04	.264	647.05	.257	696.04	.18
403.05	1.787	452.04	.828	501.05	.429	550.04	.376	599.05	.262	648.03	.256	697.04	.179
404.04	1.686	453.05	.813	502.04	.426	551.05	.374	600.04	.261	649.05	.256	698.03	.179
405.05	1.665	454.04	.798	503.05	.422	552.04	.373	601.05	.259	650.03	.256	699.04	.177
406.04	1.641	455.05	.785	504.04	.42	553.05	.371	602.04	.259	651.05	.255	700.03	.177
407.05	1.624	456.04	.774	505.05	.417	554.04	.37	603.05	.257	652.04	.253	701.04	.175
408.04	1.606	457.05	.761	506.04	.415	555.05	.368	604.04	.256	653.05	.253	702.03	.176
409.05	1.585	458.04	.749	507.05	.411	556.04	.367	605.05	.255	654.04	.253	703.04	.175
410.04	1.564	459.05	.736	508.04	.408	557.05	.364	606.04	.255	655.05	.251	704.04	.174
411.05	1.543	460.04	.723	509.05	.406	558.04	.362	607.05	.253	656.03	.25	705.04	.174
412.04	1.522	461.05	.711	510.04	.404	559.05	.361	608.04	.252	657.05	.249	706.03	.177
413.05	1.502	462.04	.702	511.05	.4	560.04	.359	609.05	.251	658.04	.248	707.04	.172
414.04	1.487	463.05	.689	512.04	.399	561.05	.356	610.04	.251	659.05	.247	708.03	.165
415.05	1.465	464.04	.68	513.05	.395	562.04	.354	611.05	.25	660.04	.245	709.04	.162
416.04	1.446	465.05	.669	514.03	.393	563.05	.352	612.04	.249	661.05	.244	710.04	.16
417.05	1.425	466.04	.658	515.05	.391	564.04	.349	613.05	.248	662.04	.243	711.04	.157
418.04	1.404	467.05	.648	516.04	.389	565.05	.347	614.04	.249	663.05	.24	712.03	.157
419.05	1.386	468.04	.641	517.05	.387	566.04	.345	615.05	.248	664.04	.238	713.04	.152
420.05	1.37	469.05	.63	518.04	.385	567.05	.342	616.04	.248	665.04	.236	714.03	.151
421.06	1.349	470.04	.622	519.05	.383	568.04	.338	617.05	.247	666.04	.235	715.04	.15
422.04	1.332	471.05	.612	520.04	.381	569.05	.336	618.04	.248	667.05	.231	716.03	.15
423.05	1.311	472.04	.603	521.05	.38	570.04	.334	619.05	.246	668.04	.23	717.04	.15
424.04	1.291	473.05	.596	522.04	.379	571.05	.331	620.04	.246	669.05	.227	718.03	.151
425.05	1.273	474.04	.589	523.05	.377	572.04	.326	621.05	.247	670.04	.225	719.04	.151
426.04	1.257	475.05	.58	524.04	.377	573.05	.325	622.04	.247	671.05	.222	720.04	.154
427.05	1.237	476.04	.574	525.05	.376	574.04	.321	623.05	.246	672.04	.221	721.04	.156
428.04	1.22	477.05	.566	526.04	.374	575.05	.318	624.04	.247	673.05	.216	722.03	.158
429.05	1.201	478.04	.558	527.04	.374	576.04	.315	625.05	.248	674.04	.215	723.04	.158
430.04	1.18	479.05	.551	528.04	.374	577.05	.313	626.04	.248	675.05	.213	724.03	.159
431.05	1.164	480.04	.546	529.05	.373	578.04	.311	627.05	.247	676.04	.21	725.04	.161
432.04	1.151	481.05	.538	530.04	.374	579.05	.307	628.04	.248	677.05	.208	726.04	.163
433.05	1.131	482.04	.532	531.05	.373	580.04	.305	629.05	.249	678.03	.207	727.04	.162
434.04	1.115	483.05	.524	532.04	.374	581.05	.302	630.04	.25	679.05	.204	728.03	.162
435.05	1.097	484.04	.518	533.05	.374	582.04	.3	631.05	.25	680.04	.201	729.04	.164
436.04	1.078	485.05	.512	534.04	.374	583.05	.296	632.03	.251	681.04	.2	730.03	.164
437.05	1.062	486.04	.511	535.05	.374	584.04	.294	633.05	.252	682.04	.2	731.04	.164
438.04	1.048	487.05	.499	536.04	.375	585.05	.292	634.04	.252	683.04	.197	732.03	.162
439.05	1.029	488.04	.493	537.05	.375	586.04	.29	635.05	.252	684.03	.196	733.04	.164
440.04	1.013	489.05	.487	538.04	.377	587.05	.286	636.04	.254	685.05	.193	734.03	.166
441.05	.996	490.04	.481	539.05	.377	588.04	.284	637.05	.253	686.04	.194	735.04	.164
442.04	.979	491.05	.475	540.04	.377	589.05	.281	638.04	.256	687.05	.191	736.03	.163
443.05	.961	492.04	.47	541.05	.376	590.04	.279	639.05	.255	688.04	.189	737.04	.165
444.04	.949	493.05	.464	542.04	.378	591.05	.276	640.04	.256	689.05	.189	738.03	.165
445.05	.931	494.04	.46	543.05	.377	592.03	.274	641.05	.257	690.04	.188	739.04	.164
446.04	.916	495.05	.454	544.04	.377	593.05	.272	642.04	.257	691.05	.186	740.03	.163
447.05	.9	496.04	.449	545.05	.377	594.04	.271	643.05	.256	692.04	.185	741.04	.162
448.04	.884	497.05	.444	546.03	.377	595.05	.269	644.04	.258	693.05	.183	742.03	.165
449.05	.868	498.04	.441	547.05	.376	596.04	.267	645.05	.256	694.04	.183	743.04	.162
												744.03	.163
												745.04	.163
												746.03	.165
												747.04	.162
												748.03	.163
												749.04	.163



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00.03	3E-03	450.02	.017	499.03	.023	548.02	.025	597.03	.036	646.02	.051	695.03	.066
02.38	5E-03	451.03	.017	500.02	.023	549.02	.029	598.02	.039	647.02	.053	696.02	.065
03.03	5E-03	452.02	.016	501.02	.026	550.02	.026	599.02	.038	648.02	.05	697.02	.065
04.02	5E-03	453.03	.023	502.02	.024	551.03	.028	600.02	.039	649.02	.051	698.01	.065
05.03	3E-03	454.02	.017	503.02	.025	552.02	.029	601.02	.04	650.02	.052	699.02	.066
06.03	8E-03	455.03	.018	504.02	.022	553.03	.027	602.02	.04	651.02	.054	700.02	.067
07.03	.011	456.02	.017	505.03	.022	554.02	.026	603.02	.041	652.02	.052	701.02	.063
08.02	6E-03	457.03	.024	506.02	.025	555.03	.029	604.02	.04	653.02	.055	702.02	.065
09.03	9E-03	458.02	.02	507.02	.025	556.02	.026	605.02	.039	654.02	.054	703.02	.068
10.02	8E-03	459.03	.015	508.02	.025	557.03	.026	606.02	.038	655.03	.055	704.02	.066
11.03	.011	460.02	.02	509.02	.027	558.02	.026	607.03	.044	656.02	.053	705.02	.068
12.02	.011	461.03	.015	510.02	.027	559.02	.028	608.02	.04	657.02	.053	706.02	.071
13.03	.011	462.02	.019	511.02	.027	560.02	.027	609.03	.04	658.02	.053	707.02	.071
14.02	8E-03	463.03	.021	512.02	.026	561.02	.025	610.02	.041	659.02	.057	708.02	.063
15.03	5E-03	464.02	.021	513.02	.025	562.02	.024	611.02	.043	660.02	.056	709.02	.061
16.02	8E-03	465.03	.010	514.02	.027	563.02	.026	612.02	.041	661.03	.054	710.02	.06
17.03	.015	466.02	.022	515.02	.027	564.02	.027	613.02	.041	662.02	.056	711.02	.059
18.02	.011	467.03	.010	516.02	.029	565.02	.027	614.01	.042	663.02	.059	712.02	.055
19.03	.01	468.02	.02	517.02	.029	566.02	.026	615.02	.042	664.02	.057	713.02	.056
20.02	.01	469.03	.021	518.02	.026	567.02	.026	616.02	.043	665.02	.058	714.02	.055
21.03	9E-03	470.02	.02	519.02	.026	568.02	.027	617.02	.042	666.02	.056	715.02	.054
22.02	.011	471.03	.02	520.02	.026	569.02	.031	618.02	.043	667.02	.058	716.02	.055
23.03	9E-03	472.02	.021	521.02	.031	570.02	.026	619.03	.045	668.02	.057	717.02	.058
24.03	.012	473.03	.022	522.02	.027	571.02	.027	620.02	.043	669.02	.058	718.02	.057
25.03	.015	474.02	.021	523.03	.027	572.02	.028	621.02	.044	670.02	.058	719.02	.06
26.02	.013	475.03	.023	524.02	.027	573.03	.028	622.02	.043	671.02	.059	720.02	.06
27.03	.012	476.02	.022	525.03	.026	574.02	.028	623.03	.045	672.02	.058	721.02	.064
28.02	.015	477.03	.018	526.02	.027	575.03	.028	624.02	.045	673.03	.061	722.01	.066
29.03	.012	478.02	.021	527.02	.027	576.02	.029	625.02	.045	674.02	.061	723.02	.068
30.02	.015	479.03	.027	528.02	.028	577.03	.028	626.02	.045	675.03	.061	724.02	.069
31.03	.017	480.02	.023	529.02	.028	578.01	.031	627.02	.048	676.02	.06	725.02	.07
32.02	.017	481.02	.02	530.02	.028	579.02	.029	628.02	.048	677.03	.059	726.02	.071
33.03	.017	482.02	.022	531.02	.029	580.02	.03	629.02	.048	678.02	.06	727.03	.074
34.02	.015	483.03	.021	532.02	.031	581.02	.031	630.02	.046	679.03	.061	728.02	.071
35.03	.017	484.02	.022	533.02	.027	582.02	.032	631.02	.048	680.02	.06	729.02	.074
36.02	.019	485.03	.021	534.02	.028	583.03	.034	632.02	.047	681.03	.063	730.02	.073
37.03	.019	486.02	.022	535.03	.028	584.02	.032	633.02	.045	682.02	.062	731.02	.076
38.02	.017	487.03	.022	536.02	.029	585.02	.035	634.02	.047	683.03	.062	732.02	.075
39.03	.016	488.02	.025	537.02	.027	586.02	.034	635.02	.049	684.02	.062	733.02	.072
40.02	.017	489.02	.024	538.02	.026	587.03	.036	636.02	.047	685.03	.062	734.02	.074
41.03	.015	490.02	.023	539.03	.029	588.02	.035	637.02	.045	686.02	.063	735.02	.076
42.02	.017	491.03	.024	540.02	.028	589.03	.033	638.02	.048	687.03	.064	736.02	.074
43.03	.015	492.02	.019	541.02	.025	590.02	.035	639.02	.048	688.02	.065	737.03	.075
44.02	.019	493.03	.025	542.02	.028	591.02	.032	640.02	.049	689.02	.062	738.02	.076
45.03	.016	494.02	.022	543.02	.025	592.01	.037	641.03	.051	690.02	.064	739.03	.077
46.02	.019	495.02	.026	544.02	.028	593.02	.036	642.02	.049	691.03	.064	740.02	.073
47.03	.017	496.02	.026	545.02	.032	594.02	.036	643.02	.051	692.02	.065	741.02	.071
48.02	.015	497.02	.022	546.02	.027	595.02	.038	644.01	.049	693.03	.063	742.02	.072
49.03	.018	498.02	.023	547.02	.022	596.02	.038	645.02	.05	694.02	.065	743.02	.074
												744.02	.072
												745.02	.069
												746.02	.07
												747.02	.072
												748.02	.069
												749.02	.067

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400.51	1.256	450.5	.517	499.5	.402	540.5	.375	597.5	.181	646.5	.097	695.5	.092
402.07	1.211	451.5	.507	500.5	.401	549.5	.372	598.5	.177	647.5	.097	696.5	.092
403.5	1.211	452.5	.498	501.5	.401	550.5	.368	599.5	.174	648.5	.096	697.5	.092
404.5	1.196	453.5	.489	502.5	.401	551.5	.365	600.5	.172	649.5	.095	698.5	.091
405.5	1.18	454.5	.481	503.5	.402	552.5	.361	601.5	.168	650.5	.095	699.5	.093
406.51	1.162	455.5	.474	504.5	.403	553.5	.356	602.5	.164	651.5	.095	700.5	.091
407.5	1.148	456.5	.467	505.5	.404	554.5	.351	603.5	.162	652.5	.094	701.5	.091
408.5	1.133	457.5	.461	506.5	.405	555.5	.348	604.5	.159	653.5	.093	702.5	.091
409.5	1.117	458.5	.455	507.5	.408	556.5	.343	605.5	.156	654.5	.092	703.5	.092
410.5	1.099	459.5	.448	508.5	.411	557.5	.338	606.5	.152	655.5	.092	704.5	.091
411.5	1.081	460.5	.443	509.5	.412	558.5	.334	607.5	.15	656.5	.091	705.5	.092
412.5	1.065	461.5	.439	510.5	.413	559.5	.33	608.5	.147	657.5	.091	706.5	.093
413.5	1.051	462.5	.434	511.5	.414	560.5	.325	609.5	.144	658.5	.091	707.5	.09
414.51	1.035	463.5	.431	512.5	.416	561.5	.32	610.5	.142	659.5	.092	708.5	.084
415.5	1.017	464.5	.427	513.5	.417	562.5	.315	611.5	.141	660.5	.09	709.5	.083
416.5	1.001	465.5	.425	514.5	.417	563.5	.312	612.5	.137	661.5	.09	710.5	.08
417.5	.984	466.5	.422	515.5	.418	564.5	.307	613.5	.135	662.5	.09	711.5	.078
418.51	.965	467.5	.421	516.5	.418	565.5	.303	614.5	.134	663.5	.091	712.5	.077
419.5	.951	468.5	.42	517.5	.417	566.5	.297	615.5	.132	664.5	.09	713.5	.076
420.51	.936	469.5	.418	518.5	.416	567.5	.294	616.5	.13	665.5	.091	714.5	.076
421.5	.921	470.5	.418	519.5	.415	568.5	.289	617.5	.128	666.5	.091	715.5	.075
422.5	.903	471.5	.418	520.5	.414	569.5	.285	618.5	.126	667.5	.091	716.5	.076
423.5	.885	472.5	.418	521.5	.412	570.5	.281	619.5	.126	668.5	.091	717.5	.078
424.51	.869	473.5	.418	522.5	.41	571.5	.278	620.5	.124	669.5	.091	718.5	.078
425.5	.854	474.5	.419	523.5	.408	572.5	.273	621.5	.123	670.5	.091	719.5	.08
426.5	.839	475.5	.419	524.5	.405	573.5	.268	622.5	.121	671.5	.092	720.5	.082
427.5	.823	476.5	.42	525.5	.403	574.5	.264	623.5	.12	672.5	.09	721.5	.083
428.5	.808	477.5	.421	526.5	.401	575.5	.262	624.5	.118	673.5	.09	722.5	.085
429.5	.791	478.5	.421	527.5	.4	576.5	.257	625.5	.117	674.5	.09	723.5	.088
430.51	.773	479.5	.423	528.5	.399	577.5	.253	626.5	.115	675.5	.091	724.5	.088
431.5	.761	480.5	.423	529.5	.398	578.5	.249	627.5	.114	676.5	.09	725.5	.088
432.51	.747	481.5	.425	530.5	.397	579.5	.246	628.5	.113	677.5	.09	726.5	.09
433.51	.732	482.5	.424	531.5	.397	580.5	.242	629.5	.111	678.5	.089	727.5	.092
434.5	.717	483.5	.425	532.5	.396	581.5	.238	630.5	.11	679.5	.09	728.5	.092
435.5	.7	484.5	.425	533.5	.396	582.5	.234	631.5	.109	680.5	.089	729.5	.092
436.5	.686	485.5	.425	534.5	.395	583.5	.231	632.5	.109	681.5	.088	730.5	.093
437.5	.674	486.5	.424	535.5	.396	584.5	.227	633.5	.107	682.5	.089	731.5	.094
438.5	.659	487.5	.424	536.5	.395	585.5	.222	634.5	.105	683.5	.089	732.5	.093
439.5	.646	488.5	.422	537.5	.394	586.5	.219	635.5	.106	684.5	.089	733.5	.092
440.5	.633	489.5	.421	538.5	.394	587.5	.216	636.5	.105	685.5	.089	734.49	.094
441.5	.62	490.5	.419	539.5	.393	588.5	.212	637.5	.104	686.5	.089	735.5	.095
442.5	.605	491.5	.417	540.5	.393	589.5	.208	638.5	.103	687.5	.09	736.5	.094
443.5	.594	492.5	.415	541.5	.391	590.5	.205	639.5	.103	688.5	.089	737.5	.094
444.5	.582	493.5	.414	542.5	.39	591.5	.202	640.5	.102	689.5	.089	738.5	.094
445.5	.571	494.5	.411	543.5	.39	592.5	.198	641.5	.101	690.5	.09	739.5	.097
446.5	.559	495.5	.408	544.5	.387	593.5	.195	642.5	.101	691.5	.091	740.5	.095
447.5	.547	496.5	.406	545.5	.385	594.5	.192	643.5	.101	692.5	.09	741.5	.095
448.5	.536	497.5	.404	546.5	.382	595.5	.189	644.5	.099	693.5	.091	742.5	.096
449.5	.527	498.5	.403	547.5	.38	596.5	.185	645.5	.099	694.5	.091	743.5	.098
												744.5	.097
												745.5	.096
												746.5	.096
												747.5	.098
												748.5	.098
												749.49	.098

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400.00	1.405	450.00	.564	499.00	.449	548.00	.516	597.00	.262	646.00	.157	695.00	.148
402.44	1.353	451.00	.552	500.00	.449	549.00	.514	598.00	.257	647.00	.157	696.00	.148
403.00	1.353	452.00	.541	501.00	.452	550.00	.51	599.00	.253	648.00	.156	697.00	.149
404.00	1.335	453.00	.529	502.00	.455	551.00	.507	600.00	.249	649.00	.157	698.00	.148
405.00	1.315	454.00	.518	503.00	.457	552.00	.503	601.00	.246	650.00	.155	699.00	.148
406.00	1.293	455.00	.508	504.00	.457	553.00	.499	602.00	.241	651.00	.154	700.00	.148
407.00	1.278	456.00	.499	505.00	.461	554.00	.494	603.00	.237	652.00	.154	701.00	.149
408.00	1.262	457.00	.49	506.00	.464	555.00	.489	604.00	.233	653.00	.154	702.00	.147
409.00	1.241	458.00	.482	507.00	.466	556.00	.482	605.00	.231	654.00	.154	703.00	.148
410.00	1.223	459.00	.474	508.00	.468	557.00	.478	606.00	.227	655.00	.153	704.00	.148
411.00	1.204	460.00	.465	509.00	.471	558.00	.472	607.00	.224	656.00	.153	705.00	.15
412.00	1.184	461.00	.459	510.00	.472	559.00	.468	608.00	.22	657.00	.153	706.00	.151
413.00	1.166	462.00	.454	511.00	.474	560.00	.461	609.00	.218	658.00	.152	707.00	.148
414.00	1.15	463.00	.447	512.00	.476	561.00	.456	610.00	.214	659.00	.151	708.00	.143
415.00	1.131	464.00	.441	513.00	.478	562.00	.449	611.00	.212	660.00	.151	709.00	.14
416.00	1.112	465.00	.437	514.00	.479	563.00	.443	612.00	.209	661.00	.152	710.00	.137
417.00	1.092	466.00	.431	515.00	.481	564.00	.437	613.00	.208	662.00	.151	711.00	.137
418.00	1.071	467.00	.428	516.00	.481	565.00	.43	614.00	.205	663.00	.151	712.00	.135
419.00	1.055	468.00	.425	517.00	.483	566.00	.425	615.00	.202	664.00	.15	713.00	.133
420.00	1.039	469.00	.422	518.00	.485	567.00	.419	616.00	.199	665.00	.151	714.00	.132
421.00	1.019	470.00	.419	519.00	.486	568.00	.411	617.00	.198	666.00	.15	715.00	.132
422.00	1.002	471.00	.418	520.00	.488	569.00	.405	618.00	.195	667.00	.149	716.00	.131
423.00	.983	472.00	.415	521.00	.491	570.00	.399	619.00	.192	668.00	.15	717.00	.131
424.00	.962	473.00	.415	522.00	.492	571.00	.393	620.00	.191	669.00	.151	718.00	.132
425.00	.945	474.00	.414	523.00	.495	572.00	.387	621.00	.19	670.00	.149	719.00	.134
426.00	.931	475.00	.415	524.00	.495	573.00	.381	622.00	.186	671.00	.149	720.00	.135
427.00	.913	476.00	.415	525.00	.498	574.00	.374	623.00	.185	672.00	.149	721.00	.138
428.00	.894	477.00	.415	526.00	.5	575.00	.368	624.00	.183	673.00	.149	722.00	.138
429.00	.878	478.00	.415	527.00	.501	576.00	.363	625.00	.183	674.00	.149	723.00	.139
430.00	.857	479.00	.418	528.00	.502	577.00	.358	626.00	.18	675.00	.148	724.00	.141
431.00	.842	480.00	.417	529.00	.505	578.00	.352	627.00	.179	676.00	.149	725.00	.144
432.00	.828	481.00	.42	530.00	.507	579.00	.346	628.00	.177	677.00	.137	726.00	.144
433.00	.811	482.00	.421	531.00	.509	580.00	.34	629.00	.176	678.00	.148	727.00	.143
434.00	.795	483.00	.424	532.00	.511	581.00	.335	630.00	.174	679.00	.147	728.00	.146
435.00	.779	484.00	.425	533.00	.513	582.00	.33	631.00	.173	680.00	.148	729.00	.147
436.00	.76	485.00	.427	534.00	.515	583.00	.325	632.00	.172	681.00	.148	730.00	.146
437.00	.746	486.00	.429	535.00	.518	584.00	.32	633.00	.171	682.00	.147	731.00	.148
438.00	.732	487.00	.431	536.00	.518	585.00	.315	634.00	.168	683.00	.147	732.00	.147
439.00	.716	488.00	.432	537.00	.521	586.00	.31	635.00	.167	684.00	.146	733.00	.15
440.00	.701	489.00	.434	538.00	.522	587.00	.304	636.00	.166	685.00	.148	734.00	.147
441.00	.686	490.00	.436	539.00	.524	588.00	.301	637.00	.166	686.00	.147	735.00	.146
442.00	.669	491.00	.438	540.00	.524	589.00	.297	638.00	.164	687.00	.147	736.00	.147
443.00	.655	492.00	.438	541.00	.525	590.00	.292	639.00	.163	688.00	.147	737.00	.149
444.00	.644	493.00	.44	542.00	.525	591.00	.287	640.00	.162	689.00	.148	738.00	.147
445.00	.628	494.00	.442	543.00	.525	592.00	.282	641.00	.162	690.00	.147	739.00	.147
446.00	.614	495.00	.443	544.00	.524	593.00	.279	642.00	.16	691.00	.147	740.00	.148
447.00	.601	496.00	.443	545.00	.524	594.00	.275	643.00	.159	692.00	.147	741.00	.148
448.00	.586	497.00	.445	546.00	.521	595.00	.27	644.00	.159	693.00	.148	742.00	.146
449.00	.574	498.00	.446	547.00	.519	596.00	.266	645.00	.159	694.00	.147	743.00	.147
												744.00	.146
												745.00	.149
												746.00	.146
												747.00	.147
												748.00	.148
												749.00	.151

408.02	1.085	450.02	.424	499.02	.266	548.01	.283	597.02	.662	646.02	2.244	695.03	2.941
402.36	1.038	451.03	.417	500.01	.266	549.02	.284	598.01	.674	647.03	2.208	696.01	2.941
403.03	1.038	452.02	.41	501.02	.266	550.02	.287	599.02	.688	648.02	2.189	697.03	2.934
404.02	1.02	453.03	.404	502.02	.266	551.03	.291	600.01	.701	649.02	2.174	698.01	2.927
405.03	1.003	454.02	.397	503.02	.265	552.02	.295	601.03	.717	650.01	2.17	699.02	2.915
406.02	.984	455.03	.391	504.02	.266	553.02	.299	602.02	.734	651.02	2.174	700.01	2.897
407.03	.968	456.02	.387	505.03	.266	554.02	.302	603.03	.754	652.02	2.189	701.02	2.884
408.02	.954	457.02	.38	506.02	.266	555.03	.305	604.02	.777	653.03	2.203	702.02	2.863
409.03	.936	458.02	.374	507.02	.266	556.02	.311	605.03	.8	654.02	2.223	703.03	2.83
410.02	.919	459.03	.368	508.02	.266	557.03	.316	606.02	.821	655.03	2.257	704.02	2.815
411.02	.902	460.02	.362	509.02	.266	558.02	.32	607.03	.853	656.02	2.302	705.03	2.755
412.02	.882	461.02	.356	510.02	.265	559.02	.326	608.02	.89	657.02	2.348	706.02	2.706
413.03	.866	462.01	.352	511.02	.265	560.02	.333	609.03	.933	658.02	2.409	707.03	2.646
414.02	.853	463.02	.346	512.01	.266	561.02	.339	610.02	.987	659.03	2.472	708.02	2.585
415.03	.835	464.02	.342	513.02	.265	562.02	.347	611.02	1.04	660.02	2.527	709.02	2.519
416.02	.818	465.02	.336	514.01	.264	563.02	.354	612.02	1.093	661.02	2.592	710.02	2.44
417.03	.801	466.02	.331	515.02	.265	564.02	.361	613.02	1.154	662.02	2.656	711.03	2.357
418.02	.785	467.03	.327	516.02	.265	565.02	.37	614.02	1.21	663.02	2.718	712.02	2.252
419.03	.769	468.02	.324	517.03	.265	566.01	.377	615.02	1.264	664.02	2.778	713.02	2.147
420.02	.756	469.03	.32	518.02	.265	567.03	.386	616.02	1.318	665.02	2.824	714.02	2.058
421.03	.739	470.02	.317	519.02	.264	568.02	.398	617.03	1.365	666.02	2.858	715.02	1.952
422.02	.726	471.03	.313	520.01	.264	569.03	.407	618.02	1.409	667.02	2.896	716.01	1.84
423.02	.71	472.02	.309	521.02	.264	570.02	.417	619.03	1.463	668.02	2.937	717.02	1.739
424.02	.694	473.03	.306	522.02	.264	571.03	.428	620.02	1.515	669.02	2.946	718.02	1.626
425.02	.68	474.02	.303	523.02	.265	572.02	.44	621.03	1.566	670.02	2.967	719.03	1.528
426.02	.669	475.02	.3	524.02	.266	573.03	.451	622.02	1.62	671.03	2.978	720.02	1.443
427.02	.655	476.02	.298	525.02	.266	574.02	.465	623.03	1.673	672.02	2.987	721.02	1.35
428.02	.642	477.02	.294	526.02	.267	575.03	.477	624.02	1.723	673.03	2.984	722.01	1.262
429.02	.627	478.02	.291	527.02	.269	576.02	.487	625.03	1.787	674.02	2.998	723.03	1.178
430.01	.615	479.02	.289	528.02	.269	577.02	.498	626.02	1.856	675.03	3.002	724.02	1.096
431.02	.603	480.01	.287	529.02	.27	578.01	.509	627.03	1.931	676.02	2.996	725.03	1.022
432.02	.594	481.02	.285	530.01	.271	579.02	.52	628.02	2.014	677.03	2.994	726.02	.958
433.03	.581	482.02	.283	531.02	.272	580.01	.531	629.03	2.085	678.02	2.986	727.03	.894
434.02	.57	483.02	.281	532.02	.272	581.02	.538	630.02	2.145	679.02	2.995	728.02	.834
435.02	.559	484.02	.279	533.02	.271	582.02	.545	631.02	2.212	680.02	2.988	729.03	.776
436.02	.546	485.03	.278	534.02	.272	583.02	.552	632.02	2.272	681.03	2.986	730.02	.719
437.03	.535	486.02	.276	535.03	.273	584.02	.561	633.02	2.331	682.02	2.983	731.03	.671
438.02	.527	487.02	.275	536.02	.275	585.02	.568	634.02	2.384	683.02	2.985	732.02	.632
439.03	.516	488.02	.273	537.03	.274	586.02	.575	635.03	2.424	684.02	2.98	733.02	.589
440.02	.506	489.02	.272	538.02	.275	587.03	.582	636.02	2.449	685.02	2.974	734.02	.549
441.02	.496	490.02	.271	539.03	.274	588.02	.589	637.03	2.459	686.02	2.976	735.02	.516
442.02	.486	491.02	.27	540.02	.274	589.03	.595	638.02	2.462	687.03	2.973	736.02	.482
443.02	.477	492.02	.27	541.03	.274	590.02	.603	639.03	2.453	688.02	2.97	737.03	.453
444.01	.47	493.02	.269	542.02	.274	591.03	.61	640.02	2.443	689.02	2.972	738.02	.428
445.02	.46	494.01	.269	543.02	.274	592.02	.619	641.03	2.423	690.02	2.968	739.03	.404
446.02	.452	495.02	.268	544.02	.276	593.03	.626	642.02	2.405	691.03	2.966	740.02	.384
447.02	.444	496.01	.268	545.02	.277	594.02	.633	643.02	2.372	692.02	2.964	741.02	.362
448.02	.436	497.02	.266	546.02	.278	595.03	.642	644.02	2.336	693.03	2.959	742.02	.341
449.02	.429	498.01	.266	547.02	.28	596.02	.652	645.03	2.292	694.02	2.955	743.03	.327
												744.02	.314
												745.03	.299
												746.02	.286
												747.03	.276
												748.02	.268
												749.02	.257

481.16	.314	451.2	.143	588.19	.089	549.2	.084	598.19	.079	647.2	.347	696.19	.674
483.5	.299	452.2	.141	581.2	.089	550.19	.083	599.2	.081	648.19	.338	697.2	.678
484.2	.299	453.2	.138	582.2	.088	551.2	.083	600.19	.084	649.19	.335	698.19	.678
485.2	.294	454.2	.135	583.2	.089	552.19	.081	601.2	.088	650.19	.332	699.2	.675
486.2	.289	455.2	.133	584.19	.089	553.2	.082	602.19	.08	651.2	.334	700.19	.67
487.2	.285	456.19	.131	585.2	.08	554.19	.081	603.2	.095	652.19	.337	701.19	.661
488.2	.282	457.2	.13	586.19	.088	555.2	.081	604.19	.099	653.2	.344	702.19	.648
489.2	.276	458.2	.128	587.2	.089	556.2	.08	605.19	.104	654.19	.351	703.2	.629
410.19	.272	459.2	.126	588.19	.089	557.2	.079	606.19	.107	655.2	.361	704.19	.609
411.2	.269	460.19	.123	589.2	.088	558.19	.078	607.2	.114	656.19	.374	705.2	.586
412.2	.264	461.2	.123	510.19	.088	559.2	.078	608.19	.121	657.2	.389	706.19	.56
413.2	.26	462.19	.121	511.2	.088	560.19	.077	609.2	.131	658.19	.406	707.19	.529
414.2	.257	463.2	.12	512.19	.087	561.2	.077	610.19	.142	659.2	.423	708.19	.498
415.2	.254	464.19	.118	513.2	.087	562.19	.076	611.19	.154	660.19	.44	709.2	.466
416.2	.249	465.2	.116	514.19	.085	563.2	.076	612.19	.165	661.2	.463	710.19	.437
417.2	.244	466.2	.114	515.2	.086	564.19	.075	613.2	.179	662.2	.482	711.2	.408
418.2	.24	467.2	.114	516.19	.084	565.2	.076	614.19	.191	663.2	.502	712.19	.377
419.2	.237	468.19	.112	517.2	.085	566.19	.075	615.19	.199	664.2	.523	713.2	.349
420.2	.233	469.2	.113	518.19	.084	567.2	.074	616.19	.208	665.2	.54	714.19	.328
421.2	.229	470.2	.109	519.2	.084	568.19	.073	617.19	.214	666.19	.553	715.19	.305
422.19	.226	471.2	.109	520.19	.084	569.2	.074	618.19	.22	667.2	.565	716.19	.282
423.2	.222	472.2	.107	521.2	.085	570.19	.073	619.2	.228	668.19	.574	717.19	.261
424.19	.217	473.2	.106	522.2	.084	571.2	.073	620.19	.237	669.2	.582	718.19	.241
425.2	.214	474.19	.105	523.2	.085	572.19	.073	621.2	.246	670.19	.586	719.2	.227
426.2	.213	475.2	.104	524.19	.085	573.2	.073	622.19	.257	671.2	.587	720.19	.212
427.2	.209	476.19	.103	525.2	.086	574.19	.072	623.2	.267	672.2	.589	721.19	.199
428.19	.206	477.2	.103	526.19	.086	575.2	.072	624.19	.278	673.2	.589	722.19	.185
429.19	.203	478.19	.101	527.19	.086	576.19	.071	625.2	.293	674.2	.586	723.2	.172
430.19	.2	479.2	.102	528.19	.087	577.2	.071	626.19	.307	675.2	.584	724.19	.162
431.2	.197	480.19	.1	529.2	.088	578.19	.07	627.2	.326	676.19	.581	725.2	.154
432.2	.195	481.2	.099	530.19	.087	579.19	.069	628.19	.345	677.2	.579	726.2	.144
433.2	.193	482.19	.097	531.2	.089	580.19	.068	629.2	.363	678.19	.576	727.2	.136
434.2	.19	483.2	.096	532.19	.088	581.19	.069	630.19	.378	679.2	.573	728.19	.129
435.2	.187	484.2	.096	533.2	.089	582.19	.067	631.19	.394	680.19	.572	729.2	.123
436.2	.184	485.2	.094	534.19	.088	583.2	.067	632.19	.408	681.2	.573	730.19	.115
437.21	.182	486.19	.093	535.2	.088	584.19	.068	633.2	.422	682.19	.573	731.19	.109
438.2	.179	487.2	.092	536.2	.089	585.19	.068	634.19	.434	683.2	.575	732.19	.105
439.2	.176	488.2	.091	537.2	.089	586.19	.068	635.2	.442	684.19	.577	733.19	.102
440.19	.173	489.2	.092	538.19	.088	587.2	.067	636.19	.444	685.2	.583	734.19	.097
441.2	.17	490.2	.091	539.2	.089	588.19	.068	637.2	.444	686.19	.587	735.19	.092
442.19	.168	491.2	.091	540.19	.089	589.2	.067	638.19	.439	687.2	.594	736.19	.089
443.2	.164	492.19	.09	541.2	.088	590.19	.069	639.2	.431	688.19	.603	737.2	.088
444.2	.162	493.2	.09	542.19	.087	591.2	.07	640.19	.423	689.2	.612	738.19	.085
445.2	.159	494.19	.089	543.2	.086	592.19	.071	641.2	.415	690.19	.62	739.2	.079
446.19	.156	495.2	.089	544.19	.086	593.2	.071	642.19	.407	691.2	.631	740.19	.079
447.2	.153	496.19	.09	545.2	.086	594.19	.072	643.2	.397	692.2	.641	741.2	.078
448.19	.151	497.2	.09	546.19	.084	595.2	.074	644.19	.384	693.2	.652	742.19	.074
449.2	.148	498.19	.089	547.2	.084	596.19	.074	645.2	.372	694.19	.661	743.2	.073
450.2	.145	499.2	.09	548.19	.084	597.19	.077	646.19	.357	695.2	.666	744.19	.072
												745.2	.072
												746.19	.071
												747.2	.068
												748.19	.069
												749.19	.069

481.42	1.721	451.77	.844	508.77	.431	549.76	.484	598.77	.285	647.76	.624	696.77	.377
483.76	1.68	452.77	.829	501.76	.429	558.77	.482	599.76	.284	648.77	.617	697.76	.381
484.78	1.658	453.77	.813	502.77	.425	551.76	.482	600.77	.289	649.76	.613	698.77	.378
485.77	1.634	454.77	.8	503.76	.424	552.77	.481	601.76	.293	650.77	.611	699.76	.373
486.78	1.616	455.77	.788	504.77	.421	553.76	.4	602.77	.295	651.76	.613	700.77	.364
487.77	1.599	456.77	.774	505.76	.42	554.77	.397	603.76	.3	652.77	.617	701.76	.354
488.77	1.581	457.76	.761	506.77	.417	555.76	.394	604.77	.304	653.76	.622	702.77	.337
489.76	1.56	458.77	.749	507.76	.415	556.77	.393	605.76	.309	654.77	.629	703.76	.317
418.77	1.543	459.77	.735	508.77	.413	557.76	.391	606.77	.315	655.76	.639	704.77	.295
411.76	1.52	460.77	.721	509.76	.411	558.77	.388	607.77	.323	656.77	.652	705.76	.27
412.77	1.502	461.76	.712	510.77	.408	559.76	.387	608.77	.332	657.76	.668	706.77	.241
413.77	1.486	462.77	.7	511.76	.407	560.77	.384	609.76	.346	658.77	.685	707.76	.209
414.77	1.467	463.76	.69	512.77	.403	561.76	.381	610.77	.359	659.76	.702	708.77	.176
415.76	1.448	464.77	.677	513.76	.401	562.77	.378	611.76	.371	660.77	.721	709.76	.143
416.77	1.43	465.77	.666	514.77	.399	563.76	.376	612.77	.387	661.76	.743	710.77	.112
417.76	1.408	466.77	.655	515.76	.398	564.77	.372	613.76	.402	662.77	.761	711.76	.079
418.77	1.392	467.77	.647	516.77	.395	565.76	.369	614.77	.413	663.76	.782	712.77	.046
419.77	1.375	468.77	.637	517.76	.394	566.77	.365	615.76	.424	664.77	.801	713.76	.019
420.77	1.356	469.76	.627	518.77	.391	567.76	.361	616.77	.434	665.76	.814	714.77	.0
421.76	1.339	470.77	.617	519.76	.39	568.77	.358	617.76	.442	666.77	.827	715.76	.044
422.77	1.321	471.76	.608	520.77	.389	569.76	.355	618.77	.452	667.76	.836	716.77	.037
423.76	1.301	472.77	.6	521.76	.388	570.77	.351	619.76	.462	668.77	.844	717.76	.013
424.77	1.283	473.76	.593	522.77	.387	571.76	.347	620.77	.473	669.76	.849	718.77	.009
425.76	1.268	474.77	.585	523.76	.387	572.77	.343	621.76	.486	670.77	.85	719.76	.037
426.77	1.25	475.76	.577	524.77	.386	573.76	.34	622.77	.498	671.76	.85	720.77	.051
427.76	1.233	476.77	.569	525.76	.387	574.77	.336	623.76	.51	672.77	.849	721.76	.035
428.77	1.215	477.76	.56	526.77	.386	575.76	.333	624.77	.526	673.76	.847	722.77	.018
429.76	1.195	478.77	.553	527.76	.387	576.77	.329	625.76	.545	674.77	.841	723.76	.03
430.77	1.179	479.76	.549	528.77	.388	577.76	.326	626.77	.564	675.76	.835	724.77	.085
431.76	1.165	480.77	.541	529.76	.389	578.77	.321	627.76	.584	676.77	.829	725.77	.074
432.77	1.148	481.76	.534	530.77	.39	579.76	.318	628.77	.608	677.76	.825	726.77	.061
433.76	1.13	482.77	.527	531.76	.391	580.77	.315	629.76	.627	678.77	.819	727.76	.049
434.77	1.113	483.76	.52	532.77	.392	581.76	.313	630.77	.646	679.76	.813	728.77	.039
435.76	1.094	484.77	.513	533.76	.393	582.77	.308	631.76	.664	680.77	.81	729.76	.023
436.77	1.077	485.76	.508	534.77	.394	583.76	.305	632.77	.682	681.76	.805	730.77	.019
437.77	1.065	486.77	.501	535.76	.395	584.77	.302	633.76	.7	682.77	.802	731.76	.012
438.77	1.047	487.76	.495	536.77	.397	585.76	.299	634.77	.712	683.76	.802	732.77	.084
439.77	1.03	488.77	.488	537.77	.398	586.77	.295	635.76	.718	684.77	.803	733.76	.099
440.77	1.013	489.76	.482	538.77	.399	587.76	.294	636.77	.723	685.76	.806	734.77	.092
441.76	.996	490.77	.475	539.77	.399	588.77	.291	637.76	.723	686.77	.807	735.76	.084
442.77	.979	491.76	.471	540.77	.4	589.77	.289	638.77	.719	687.76	.813	736.77	.082
443.76	.967	492.77	.464	541.76	.402	590.77	.287	639.76	.712	688.77	.819	737.76	.08
444.77	.949	493.76	.46	542.77	.401	591.76	.285	640.77	.706	689.76	.826	738.77	.075
445.76	.934	494.77	.454	543.76	.403	592.77	.284	641.77	.701	690.77	.833	739.76	.069
446.77	.918	495.76	.449	544.77	.403	593.76	.283	642.77	.69	691.77	.841	740.77	.069
447.76	.9	496.77	.444	545.76	.404	594.77	.282	643.76	.679	692.77	.851	741.76	.066
448.77	.885	497.76	.442	546.77	.404	595.76	.281	644.77	.664	693.76	.86	742.77	.064
449.77	.873	498.77	.437	547.76	.404	596.77	.282	645.76	.648	694.77	.868	743.77	.062
450.77	.858	499.76	.434	548.77	.403	597.76	.284	646.77	.633	695.76	.873	744.77	.061
												745.76	.061
												746.77	.058
												747.76	.056
												748.77	.057
												749.76	.057

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400.96	3E-03	450.96	.013	499.94	.019	548.95	.018	597.94	.027	646.95	.041	695.94	.056
403.32	5E-03	451.95	.013	500.95	.019	549.95	.019	598.95	.028	647.94	.042	696.95	.055
403.96	5E-03	452.96	.014	501.95	.018	550.95	.019	599.94	.029	648.95	.042	697.94	.055
404.96	6E-03	453.95	.013	502.96	.018	551.94	.019	600.95	.029	649.94	.042	698.95	.055
405.95	6E-03	454.96	.014	503.95	.019	552.95	.019	601.95	.028	650.95	.042	699.94	.058
406.96	6E-03	455.95	.014	504.96	.019	553.94	.018	602.96	.03	651.95	.044	700.95	.057
407.95	6E-03	456.96	.014	505.95	.019	554.95	.019	603.95	.031	652.96	.043	701.94	.056
408.96	7E-03	457.95	.015	506.95	.018	555.95	.019	604.95	.03	653.95	.044	702.95	.057
409.95	7E-03	458.96	.014	507.94	.019	556.95	.019	605.95	.031	654.96	.044	703.95	.058
410.96	8E-03	459.95	.015	508.95	.019	557.94	.018	606.96	.031	655.95	.045	704.96	.058
411.95	8E-03	460.95	.015	509.94	.019	558.95	.018	607.95	.032	656.95	.044	705.95	.059
412.96	8E-03	461.95	.015	510.95	.019	559.94	.019	608.95	.031	657.95	.044	706.96	.058
413.95	9E-03	462.96	.014	511.94	.02	560.95	.018	609.94	.032	658.96	.044	707.95	.054
414.96	8E-03	463.95	.015	512.95	.019	561.94	.017	610.95	.032	659.95	.045	708.95	.049
415.95	8E-03	464.96	.015	513.94	.019	562.95	.018	611.94	.033	660.95	.045	709.95	.048
416.96	8E-03	465.95	.015	514.95	.02	563.94	.018	612.95	.032	661.94	.044	710.96	.047
417.95	9E-03	466.96	.015	515.94	.02	564.95	.018	613.95	.032	662.95	.044	711.95	.044
418.96	9E-03	467.95	.016	516.95	.02	565.94	.018	614.95	.032	663.95	.045	712.96	.044
419.95	9E-03	468.96	.016	517.94	.02	566.95	.018	615.94	.033	664.95	.045	713.95	.044
420.96	9E-03	469.95	.017	518.95	.02	567.94	.018	616.95	.032	665.94	.046	714.95	.044
421.95	.01	470.96	.017	519.94	.02	568.95	.017	617.94	.032	666.95	.046	715.95	.044
422.96	.01	471.95	.018	520.95	.02	569.95	.017	618.95	.032	667.94	.048	716.95	.045
423.95	.011	472.96	.016	521.95	.02	570.95	.017	619.95	.034	668.95	.048	717.94	.046
424.96	.01	473.94	.017	522.95	.02	571.94	.018	620.95	.033	669.94	.048	718.95	.049
425.95	.012	474.95	.017	523.94	.02	572.95	.017	621.95	.033	670.95	.048	719.95	.05
426.96	.012	475.94	.017	524.95	.021	573.95	.018	622.95	.034	671.95	.049	720.95	.052
427.95	.011	476.95	.018	525.94	.02	574.96	.018	623.95	.036	672.96	.049	721.94	.054
428.95	.012	477.94	.018	526.95	.02	575.94	.02	624.96	.034	673.95	.049	722.96	.056
429.94	.013	478.95	.018	527.94	.021	576.95	.02	625.95	.035	674.96	.049	723.95	.059
430.96	.013	479.94	.018	528.95	.02	577.94	.021	626.95	.036	675.95	.051	724.96	.06
431.95	.013	480.95	.017	529.94	.021	578.95	.021	627.94	.037	676.96	.05	725.95	.06
432.96	.013	481.95	.018	530.95	.02	579.94	.022	628.95	.036	677.95	.051	726.96	.06
433.95	.015	482.95	.016	531.94	.021	580.95	.022	629.94	.036	678.95	.052	727.94	.064
434.96	.014	483.94	.017	532.95	.021	581.94	.022	630.95	.037	679.94	.052	728.95	.063
435.95	.014	484.96	.016	533.94	.021	582.95	.023	631.94	.038	680.96	.051	729.95	.062
436.96	.014	485.95	.017	534.95	.021	583.95	.024	632.95	.037	681.94	.051	730.95	.064
437.95	.014	486.95	.017	535.95	.021	584.95	.023	633.95	.037	682.95	.051	731.95	.065
438.96	.013	487.94	.017	536.95	.021	585.94	.025	634.96	.038	683.94	.052	732.95	.063
439.95	.014	488.96	.018	537.95	.02	586.95	.024	635.94	.038	684.96	.051	733.94	.062
440.95	.013	489.95	.018	538.95	.02	587.95	.026	636.95	.037	685.95	.051	734.95	.063
441.95	.014	490.96	.018	539.94	.02	588.95	.025	637.94	.038	686.95	.052	735.94	.065
442.96	.013	491.95	.018	540.95	.02	589.95	.026	638.95	.039	687.94	.053	736.96	.064
443.94	.012	492.95	.019	541.94	.02	590.95	.026	639.95	.039	688.95	.052	737.95	.062
444.96	.013	493.95	.018	542.95	.02	591.94	.027	640.96	.038	689.95	.053	738.95	.063
445.95	.013	494.95	.018	543.94	.02	592.95	.027	641.95	.039	690.95	.054	739.95	.063
446.96	.013	495.94	.018	544.95	.02	593.95	.026	642.95	.039	691.95	.054	740.95	.063
447.95	.013	496.95	.018	545.94	.02	594.95	.027	643.94	.04	692.96	.054	741.95	.061
448.96	.013	497.95	.019	546.95	.019	595.94	.027	644.95	.041	693.95	.055	742.96	.06
449.95	.013	498.95	.018	547.94	.019	596.95	.027	645.95	.04	694.96	.055	743.95	.062
												744.95	.06
												745.95	.058
												746.95	.058
												747.94	.059
												748.95	.057
												749.94	.056

400.00	.877	450.00	.45	499.00	.558	548.00	.379	597.00	.257	646.00	.186	695.00	.10
402.39	.844	451.00	.447	500.00	.546	549.00	.375	598.00	.254	647.00	.186	696.00	.10
403.00	.844	452.00	.447	501.00	.535	550.00	.372	599.00	.253	648.00	.186	697.00	.109
404.00	.832	453.00	.447	502.00	.523	551.00	.37	600.00	.25	649.00	.185	698.00	.10
405.00	.82	454.00	.446	503.00	.517	552.00	.367	601.00	.247	650.00	.185	699.00	.101
406.00	.806	455.00	.446	504.00	.512	553.00	.363	602.00	.245	651.00	.185	700.00	.10
407.00	.797	456.00	.447	505.00	.508	554.00	.362	603.00	.244	652.00	.184	701.00	.101
408.00	.787	457.00	.449	506.00	.506	555.00	.36	604.00	.24	653.00	.184	702.00	.101
409.00	.776	458.00	.45	507.00	.506	556.00	.356	605.00	.238	654.00	.184	703.00	.102
410.00	.764	459.00	.454	508.00	.508	557.00	.354	606.00	.236	655.00	.184	704.00	.102
411.00	.753	460.00	.458	509.00	.51	558.00	.351	607.00	.234	656.00	.182	705.00	.102
412.00	.74	461.00	.462	510.00	.513	559.00	.351	608.00	.231	657.00	.182	706.00	.104
413.00	.731	462.00	.465	511.00	.518	560.00	.347	609.00	.229	658.00	.182	707.00	.103
414.00	.721	463.00	.471	512.00	.52	561.00	.344	610.00	.227	659.00	.182	708.00	.105
415.00	.709	464.00	.477	513.00	.526	562.00	.342	611.00	.226	660.00	.181	709.00	.103
416.00	.7	465.00	.484	514.00	.527	563.00	.34	612.00	.224	661.00	.181	710.00	.101
417.00	.689	466.00	.49	515.00	.527	564.00	.337	613.00	.222	662.00	.181	711.00	.107
418.00	.675	467.00	.498	516.00	.526	565.00	.333	614.00	.22	663.00	.182	712.00	.108
419.00	.666	468.00	.504	517.00	.524	566.00	.331	615.00	.219	664.00	.18	713.00	.108
420.00	.657	469.00	.514	518.00	.519	567.00	.329	616.00	.216	665.00	.181	714.00	.106
421.00	.647	470.00	.522	519.00	.513	568.00	.326	617.00	.214	666.00	.181	715.00	.106
422.00	.636	471.00	.533	520.00	.504	569.00	.323	618.00	.213	667.00	.182	716.00	.105
423.00	.625	472.00	.543	521.00	.497	570.00	.321	619.00	.212	668.00	.181	717.00	.107
424.00	.615	473.00	.553	522.00	.488	571.00	.319	620.00	.21	669.00	.181	718.00	.108
425.00	.606	474.00	.561	523.00	.48	572.00	.316	621.00	.209	670.00	.18	719.00	.107
426.00	.598	475.00	.572	524.00	.472	573.00	.313	622.00	.207	671.00	.181	720.00	.101
427.00	.587	476.00	.583	525.00	.465	574.00	.31	623.00	.206	672.00	.18	721.00	.104
428.00	.579	477.00	.594	526.00	.459	575.00	.309	624.00	.205	673.00	.18	722.00	.105
429.00	.569	478.00	.604	527.00	.455	576.00	.306	625.00	.203	674.00	.179	723.00	.109
430.00	.56	479.00	.615	528.00	.45	577.00	.303	626.00	.201	675.00	.18	724.00	.109
431.00	.553	480.00	.622	529.00	.448	578.00	.301	627.00	.200	676.00	.18	725.00	.109
432.00	.546	481.00	.633	530.00	.444	579.00	.299	628.00	.199	677.00	.18	726.00	.10
433.00	.539	482.00	.64	531.00	.442	580.00	.296	629.00	.197	678.00	.179	727.00	.103
434.00	.53	483.00	.65	532.00	.439	581.00	.294	630.00	.196	679.00	.18	728.00	.103
435.00	.523	484.00	.657	533.00	.437	582.00	.291	631.00	.197	680.00	.18	729.00	.102
436.00	.515	485.00	.662	534.00	.436	583.00	.29	632.00	.195	681.00	.18	730.00	.104
437.00	.51	486.00	.665	535.00	.433	584.00	.287	633.00	.194	682.00	.18	731.00	.105
438.00	.503	487.00	.668	536.00	.43	585.00	.285	634.00	.194	683.00	.181	732.00	.104
439.00	.496	488.00	.67	537.00	.428	586.00	.282	635.00	.194	684.00	.18	733.00	.103
440.00	.491	489.00	.669	538.00	.423	587.00	.281	636.00	.193	685.00	.18	734.00	.104
441.00	.485	490.00	.665	539.00	.42	588.00	.279	637.00	.192	686.00	.18	735.00	.106
442.00	.479	491.00	.66	540.00	.416	589.00	.276	638.00	.191	687.00	.181	736.00	.104
443.00	.474	492.00	.653	541.00	.411	590.00	.274	639.00	.192	688.00	.181	737.00	.105
444.00	.47	493.00	.642	542.00	.406	591.00	.272	640.00	.19	689.00	.179	738.00	.105
445.00	.466	494.00	.63	543.00	.401	592.00	.269	641.00	.189	690.00	.18	739.00	.107
446.00	.461	495.00	.616	544.00	.396	593.00	.266	642.00	.189	691.00	.18	740.00	.105
447.00	.456	496.00	.599	545.00	.391	594.00	.265	643.00	.189	692.00	.179	741.00	.104
448.00	.454	497.00	.587	546.00	.387	595.00	.263	644.00	.188	693.00	.18	742.00	.104
449.00	.452	498.00	.573	547.00	.384	596.00	.26	645.00	.187	694.00	.18	743.00	.105
												744.00	.106
												745.00	.105
												746.00	.106
												747.00	.109
												748.00	.108
												749.00	.108



400.27	.608	450.27	.287	499.27	.439	548.27	.327	597.27	.187	646.27	.113	695.27	.113
402.63	.593	451.27	.285	500.27	.436	549.27	.331	598.27	.184	647.27	.113	696.27	.131
403.27	.583	452.27	.283	501.27	.431	550.27	.326	599.27	.183	648.27	.113	697.27	.113
404.27	.575	453.27	.282	502.27	.428	551.27	.321	600.27	.181	649.27	.112	698.27	.131
405.27	.565	454.27	.281	503.27	.425	552.27	.317	601.27	.177	650.27	.112	699.27	.131
406.27	.558	455.27	.28	504.27	.422	553.27	.311	602.27	.177	651.27	.112	700.27	.132
407.27	.549	456.27	.281	505.27	.42	554.27	.306	603.27	.174	652.27	.112	701.27	.131
408.27	.542	457.27	.28	506.27	.42	555.27	.301	604.27	.172	653.27	.112	702.27	.131
409.27	.533	458.27	.281	507.27	.419	556.27	.297	605.27	.171	654.27	.112	703.27	.132
410.27	.526	459.27	.282	508.27	.42	557.27	.293	606.27	.169	655.27	.112	704.27	.134
411.27	.516	460.27	.284	509.27	.421	558.27	.289	607.27	.167	656.27	.112	705.27	.134
412.27	.507	461.27	.285	510.27	.422	559.27	.285	608.27	.166	657.27	.112	706.27	.135
413.27	.5	462.27	.288	511.27	.423	560.27	.281	609.27	.163	658.27	.112	707.27	.132
414.27	.493	463.27	.291	512.27	.426	561.27	.278	610.27	.162	659.27	.112	708.27	.127
415.27	.484	464.27	.294	513.27	.429	562.27	.273	611.27	.16	660.27	.112	709.27	.125
416.27	.476	465.27	.297	514.27	.433	563.27	.27	612.27	.16	661.27	.112	710.27	.124
417.27	.468	466.27	.301	515.27	.434	564.27	.267	613.27	.157	662.27	.112	711.27	.121
418.27	.46	467.27	.305	516.27	.437	565.27	.263	614.27	.155	663.27	.112	712.27	.121
419.27	.453	468.27	.309	517.27	.439	566.27	.26	615.27	.154	664.27	.112	713.27	.119
420.27	.446	469.27	.314	518.27	.441	567.27	.257	616.27	.154	665.27	.112	714.27	.119
421.27	.438	470.27	.32	519.27	.442	568.27	.255	617.27	.152	666.27	.112	715.27	.118
422.27	.431	471.27	.326	520.27	.441	569.27	.251	618.27	.151	667.27	.112	716.27	.117
423.27	.423	472.27	.333	521.27	.438	570.27	.248	619.27	.15	668.27	.113	717.27	.118
424.27	.416	473.27	.338	522.27	.437	571.27	.244	620.27	.149	669.27	.112	718.27	.12
425.27	.408	474.27	.346	523.27	.433	572.27	.242	621.27	.147	670.27	.112	719.27	.121
426.27	.403	475.27	.352	524.27	.429	573.27	.239	622.27	.146	671.27	.112	720.27	.124
427.27	.395	476.27	.359	525.27	.425	574.27	.236	623.27	.146	672.27	.113	721.27	.124
428.27	.389	477.27	.367	526.27	.422	575.27	.233	624.27	.146	673.27	.112	722.27	.126
429.27	.382	478.27	.376	527.27	.417	576.27	.232	625.27	.144	674.27	.112	723.27	.128
430.27	.376	479.27	.382	528.27	.414	577.27	.229	626.27	.144	675.27	.112	724.27	.132
431.27	.37	480.27	.389	529.27	.411	578.27	.226	627.27	.142	676.27	.113	725.27	.131
432.27	.366	481.27	.396	530.27	.408	579.27	.224	628.27	.142	677.27	.112	726.27	.132
433.27	.359	482.27	.404	531.27	.404	580.27	.222	629.27	.139	678.27	.112	727.27	.134
434.27	.355	483.27	.411	532.27	.403	581.27	.22	630.27	.139	679.27	.112	728.27	.136
435.27	.347	484.27	.419	533.27	.399	582.27	.218	631.27	.138	680.27	.113	729.27	.135
436.27	.343	485.27	.424	534.27	.398	583.27	.216	632.27	.138	681.27	.113	730.27	.134
437.27	.337	486.27	.43	535.27	.395	584.27	.215	633.27	.136	682.27	.113	731.27	.137
438.27	.333	487.27	.435	536.27	.393	585.27	.212	634.27	.135	683.27	.113	732.27	.138
439.27	.328	488.27	.44	537.27	.389	586.27	.21	635.27	.135	684.27	.112	733.27	.138
440.27	.323	489.27	.444	538.27	.387	587.27	.208	636.27	.135	685.27	.113	734.27	.137
441.27	.318	490.27	.448	539.27	.383	588.27	.207	637.27	.133	686.27	.113	735.27	.138
442.27	.314	491.27	.45	540.27	.379	589.27	.205	638.27	.132	687.27	.113	736.27	.14
443.27	.309	492.27	.453	541.27	.375	590.27	.203	639.27	.132	688.27	.113	737.27	.138
444.27	.305	493.27	.453	542.27	.37	591.27	.201	640.27	.133	689.27	.113	738.27	.137
445.27	.301	494.27	.454	543.27	.364	592.27	.199	641.27	.131	690.27	.113	739.27	.138
446.27	.3	495.27	.452	544.27	.359	593.27	.196	642.27	.131	691.27	.113	740.27	.14
447.27	.294	496.27	.451	545.27	.354	594.27	.194	643.27	.131	692.27	.113	741.27	.137
448.27	.292	497.27	.447	546.27	.349	595.27	.191	644.27	.131	693.27	.113	742.27	.138
449.27	.289	498.27	.444	547.27	.342	596.27	.189	645.27	.13	694.27	.112	743.27	.139
												744.27	.141
												745.27	.14
												746.27	.14
												747.27	.141
												748.27	.143
												749.27	.141

400.33	.9	450.32	.422	499.32	.332	548.32	.314	597.32	.508	646.32	1.048	695.32	1.362
402.68	.771	451.32	.417	500.32	.332	549.32	.313	598.32	.512	647.32	1.044	696.32	1.362
403.32	.771	452.32	.414	501.32	.331	550.32	.315	599.32	.515	648.32	1.043	697.32	1.34
404.33	.76	453.32	.41	502.32	.332	551.32	.315	600.32	.519	649.32	1.043	698.32	1.314
405.32	.749	454.32	.406	503.32	.331	552.32	.316	601.32	.524	650.32	1.045	699.32	1.285
406.33	.74	455.32	.403	504.32	.331	553.32	.317	602.32	.528	651.32	1.05	700.32	1.254
407.32	.731	456.33	.401	505.32	.329	554.32	.318	603.32	.535	652.32	1.055	701.32	1.226
408.32	.722	457.32	.397	506.32	.331	555.32	.319	604.32	.542	653.32	1.064	702.32	1.196
409.32	.711	458.32	.395	507.32	.329	556.32	.321	605.32	.548	654.32	1.073	703.32	1.164
410.32	.703	459.32	.391	508.32	.329	557.32	.322	606.32	.555	655.32	1.087	704.32	1.13
411.32	.69	460.32	.388	509.32	.327	558.32	.324	607.32	.567	656.32	1.106	705.32	1.094
412.32	.681	461.32	.385	510.32	.327	559.32	.325	608.32	.578	657.32	1.125	706.32	1.057
413.32	.672	462.32	.383	511.32	.326	560.32	.328	609.32	.593	658.32	1.148	707.32	1.021
414.32	.665	463.32	.38	512.32	.326	561.32	.329	610.32	.611	659.32	1.169	708.32	.981
415.32	.653	464.32	.379	513.32	.325	562.32	.333	611.32	.626	660.32	1.194	709.32	.944
416.32	.644	465.32	.375	514.32	.324	563.32	.335	612.32	.644	661.32	1.218	710.32	.906
417.32	.634	466.32	.373	515.32	.324	564.32	.339	613.32	.661	662.32	1.243	711.32	.867
418.32	.626	467.32	.371	516.32	.324	565.32	.342	614.32	.679	663.32	1.271	712.32	.827
419.32	.618	468.32	.368	517.32	.323	566.32	.345	615.32	.698	664.32	1.298	713.32	.794
420.32	.609	469.32	.366	518.32	.323	567.32	.35	616.32	.72	665.32	1.319	714.32	.762
421.32	.6	470.32	.365	519.32	.323	568.32	.356	617.32	.737	666.32	1.34	715.32	.725
422.32	.593	471.32	.362	520.32	.323	569.32	.361	618.32	.756	667.32	1.362	716.32	.693
423.32	.583	472.32	.361	521.32	.322	570.32	.366	619.32	.774	668.32	1.384	717.32	.66
424.32	.575	473.32	.358	522.32	.321	571.32	.374	620.32	.793	669.32	1.403	718.32	.629
425.32	.569	474.32	.357	523.32	.321	572.32	.382	621.32	.811	670.32	1.42	719.32	.604
426.32	.561	475.32	.356	524.32	.321	573.32	.389	622.32	.833	671.32	1.434	720.32	.578
427.32	.554	476.32	.355	525.32	.32	574.32	.397	623.32	.852	672.32	1.447	721.32	.553
428.32	.547	477.32	.352	526.32	.321	575.32	.403	624.32	.874	673.32	1.457	722.32	.524
429.32	.539	478.32	.351	527.32	.32	576.32	.411	625.32	.9	674.32	1.466	723.32	.506
430.32	.533	479.32	.35	528.32	.32	577.32	.416	626.32	.924	675.32	1.474	724.32	.481
431.32	.527	480.32	.349	529.32	.318	578.32	.423	627.32	.948	676.32	1.479	725.32	.463
432.32	.521	481.32	.347	530.32	.319	579.32	.429	628.32	.975	677.32	1.481	726.32	.443
433.32	.514	482.32	.347	531.32	.317	580.32	.436	629.32	.994	678.32	1.483	727.32	.424
434.32	.508	483.32	.345	532.32	.317	581.32	.44	630.32	1.015	679.32	1.485	728.32	.409
435.32	.501	484.32	.344	533.32	.316	582.32	.445	631.32	1.038	680.32	1.487	729.32	.391
436.32	.494	485.32	.343	534.32	.315	583.32	.452	632.32	1.06	681.32	1.485	730.32	.374
437.32	.488	486.32	.342	535.32	.316	584.32	.458	633.32	1.079	682.32	1.484	731.32	.362
438.32	.483	487.32	.34	536.32	.316	585.32	.463	634.32	1.096	683.32	1.481	732.32	.351
439.32	.476	488.32	.34	537.32	.313	586.32	.469	635.32	1.104	684.32	1.48	733.32	.337
440.33	.471	489.32	.338	538.32	.314	587.32	.475	636.32	1.111	685.32	1.477	734.32	.325
441.32	.464	490.32	.338	539.32	.313	588.32	.48	637.32	1.112	686.32	1.473	735.32	.316
442.32	.459	491.32	.337	540.32	.313	589.32	.483	638.32	1.113	687.32	1.471	736.32	.308
443.32	.455	492.32	.336	541.32	.312	590.32	.487	639.32	1.114	688.32	1.464	737.32	.299
444.32	.449	493.32	.335	542.32	.312	591.32	.49	640.32	1.11	689.32	1.457	738.32	.291
445.32	.446	494.32	.334	543.32	.312	592.32	.494	641.32	1.103	690.32	1.448	739.32	.286
446.32	.439	495.32	.333	544.32	.312	593.32	.495	642.32	1.094	691.32	1.44	740.32	.281
447.32	.435	496.32	.333	545.32	.311	594.32	.499	643.32	1.081	692.32	1.431	741.32	.275
448.32	.43	497.32	.332	546.32	.312	595.32	.501	644.32	1.068	693.32	1.416	742.32	.269
449.32	.426	498.32	.332	547.32	.312	596.32	.505	645.32	1.056	694.32	1.399	743.32	.266
												744.32	.265
												745.32	.269
												746.32	.266
												747.32	.264
												748.32	.263
												749.32	.261

488.17	.488	458.16	.236	499.17	.197	548.16	.168	597.17	.156	646.16	.121	695.17	.146
482.52	.387	451.17	.234	500.16	.197	549.17	.167	598.16	.158	647.17	.122	696.17	.147
483.17	.387	452.16	.233	501.17	.196	550.16	.167	599.17	.159	648.16	.122	697.17	.147
484.17	.382	453.17	.232	502.16	.195	551.17	.166	600.16	.161	649.17	.122	698.16	.149
485.17	.374	454.16	.232	503.17	.195	552.16	.164	601.17	.163	650.16	.122	699.17	.148
486.17	.368	455.17	.23	504.16	.195	553.17	.164	602.16	.166	651.17	.121	700.16	.147
487.17	.363	456.16	.23	505.17	.194	554.16	.164	603.17	.167	652.16	.121	701.17	.146
488.17	.36	457.17	.229	506.16	.194	555.17	.162	604.16	.17	653.17	.121	702.16	.145
489.17	.354	458.16	.229	507.17	.192	556.16	.161	605.17	.172	654.16	.121	703.17	.144
418.16	.349	459.17	.227	508.16	.192	557.17	.16	606.16	.175	655.17	.121	704.16	.1428
411.17	.342	460.16	.227	509.17	.191	558.16	.16	607.17	.18	656.16	.121	705.17	.141
412.16	.339	461.17	.226	510.16	.19	559.17	.159	608.16	.185	657.17	.121	706.16	.142
413.17	.335	462.16	.226	511.17	.189	560.16	.158	609.17	.192	658.16	.121	707.17	.1383
414.17	.332	463.17	.223	512.16	.189	561.17	.158	610.16	.2	659.17	.121	708.16	.1362
415.17	.327	464.16	.226	513.17	.188	562.16	.158	611.17	.206	660.16	.121	709.17	.1345
416.16	.325	465.17	.222	514.16	.189	563.17	.156	612.16	.212	661.17	.121	710.16	.133
417.17	.32	466.16	.222	515.17	.186	564.16	.155	613.17	.218	662.16	.121	711.17	.1311
418.16	.316	467.17	.221	516.16	.188	565.17	.154	614.16	.224	663.17	.121	712.16	.1295
419.17	.312	468.16	.221	517.17	.187	566.16	.154	615.17	.227	664.16	.121	713.17	.1281
420.17	.309	469.17	.22	518.16	.188	567.17	.153	616.16	.231	665.17	.121	714.16	.1268
421.17	.305	470.16	.219	519.17	.186	568.16	.152	617.17	.237	666.16	.121	715.17	.1254
422.16	.302	471.17	.217	520.16	.187	569.17	.152	618.16	.242	667.17	.121	716.16	.1245
423.17	.297	472.17	.216	521.17	.185	570.16	.152	619.17	.246	668.16	.121	717.17	.1233
424.16	.294	473.17	.216	522.16	.185	571.17	.151	620.16	.251	669.17	.121	718.16	.1223
425.17	.292	474.16	.214	523.17	.184	572.16	.151	621.17	.257	670.16	.121	719.17	.1215
426.16	.289	475.17	.214	524.16	.185	573.17	.151	622.16	.266	671.17	.121	720.16	.1207
427.17	.285	476.16	.214	525.17	.183	574.16	.153	623.17	.273	672.16	.121	721.17	.1201
428.16	.283	477.17	.213	526.16	.182	575.17	.152	624.16	.28	673.17	.121	722.16	.1196
429.17	.279	478.16	.212	527.17	.182	576.16	.151	625.17	.29	674.16	.121	723.17	.1189
430.16	.277	479.17	.211	528.16	.183	577.17	.152	626.16	.3	675.17	.121	724.16	.1184
431.17	.274	480.16	.211	529.17	.181	578.16	.153	627.17	.309	676.16	.121	725.17	.118
432.16	.273	481.17	.209	530.16	.181	579.17	.152	628.16	.32	677.17	.121	726.16	.1178
433.17	.27	482.16	.209	531.17	.18	580.16	.152	629.17	.328	678.16	.121	727.17	.1172
434.16	.269	483.17	.206	532.16	.18	581.17	.152	630.16	.337	679.17	.121	728.16	.1168
435.17	.266	484.16	.205	533.17	.178	582.16	.153	631.17	.343	680.16	.121	729.17	.1166
436.16	.264	485.17	.204	534.16	.179	583.17	.152	632.16	.351	681.17	.121	730.16	.1163
437.17	.262	486.16	.204	535.17	.178	584.16	.152	633.17	.356	682.16	.121	731.17	.1158
438.16	.261	487.17	.201	536.16	.178	585.17	.152	634.16	.361	683.17	.121	732.16	.1156
439.17	.257	488.16	.201	537.17	.176	586.16	.154	635.17	.361	684.16	.121	733.17	.1154
440.16	.256	489.17	.2	538.16	.176	587.17	.153	636.16	.36	685.17	.121	734.16	.1153
441.17	.252	490.16	.199	539.17	.175	588.16	.154	637.17	.357	686.16	.121	735.17	.1149
442.16	.251	491.17	.198	540.16	.175	589.17	.153	638.16	.356	687.17	.121	736.16	.1146
443.17	.248	492.16	.197	541.17	.175	590.16	.155	639.17	.352	688.16	.121	737.17	.1146
444.16	.246	493.17	.196	542.16	.174	591.17	.154	640.16	.348	689.17	.121	738.16	.1146
445.17	.244	494.16	.197	543.17	.172	592.16	.154	641.17	.343	690.16	.121	739.17	.1143
446.16	.243	495.16	.197	544.16	.172	593.17	.155	642.16	.338	691.17	.121	740.16	.114
447.17	.24	496.16	.197	545.17	.171	594.16	.156	643.17	.33	692.16	.121	741.17	.1141
448.16	.238	497.17	.197	546.16	.17	595.17	.156	644.16	.323	693.17	.121	742.16	.1141
449.17	.237	498.16	.198	547.17	.169	596.16	.156	645.17	.316	694.16	.121	743.17	.1138
												744.16	.1137
												745.17	.1136
												746.16	.114
												747.17	.1138
												748.16	.1137
												749.17	.1139

400.81	.808	450.82	.401	499.8	.27	540.81	.245	597.8	.202	646.82	.337	695.8	.501
403.15	.776	451.81	.395	500.81	.27	549.8	.242	598.81	.203	647.8	.336	696.81	.531
403.81	.776	452.82	.39	501.8	.268	550.81	.242	599.8	.203	648.81	.336	697.8	.497
404.81	.764	453.81	.385	502.81	.267	551.8	.24	600.82	.205	649.8	.336	698.81	.452
405.81	.752	454.82	.38	503.8	.267	552.81	.24	601.8	.205	650.81	.338	699.8	.486
406.82	.743	455.81	.375	504.81	.267	553.8	.237	602.81	.207	651.8	.34	700.81	.429
407.81	.734	456.81	.371	505.8	.264	554.81	.236	603.8	.209	652.81	.345	701.8	.47
408.82	.723	457.81	.367	506.81	.264	555.81	.234	604.81	.211	653.81	.349	702.81	.46
409.8	.714	458.81	.363	507.8	.264	556.81	.234	605.81	.212	654.82	.355	703.8	.447
410.81	.705	459.81	.357	508.81	.263	557.8	.231	606.82	.215	655.81	.362	704.81	.437
411.81	.693	460.81	.354	509.8	.262	558.81	.23	607.81	.219	656.81	.37	705.8	.424
412.82	.684	461.8	.351	510.81	.262	559.8	.228	608.82	.225	657.81	.38	706.81	.408
413.81	.676	462.81	.346	511.8	.261	560.81	.228	609.8	.23	658.82	.39	707.8	.39
414.82	.668	463.8	.343	512.81	.261	561.8	.226	610.81	.237	659.81	.398	708.81	.375
415.81	.658	464.81	.34	513.8	.26	562.81	.225	611.8	.242	660.81	.41	709.8	.359
416.82	.648	465.8	.336	514.81	.261	563.8	.224	612.81	.249	661.8	.419	710.82	.345
417.81	.638	466.81	.334	515.8	.259	564.81	.223	613.8	.253	662.81	.428	711.8	.327
418.82	.63	467.8	.331	516.81	.259	565.8	.221	614.81	.257	663.81	.437	712.81	.313
419.81	.622	468.81	.329	517.81	.258	566.81	.219	615.81	.261	664.81	.445	713.8	.3
420.82	.613	469.8	.326	518.81	.258	567.81	.218	616.81	.266	665.81	.45	714.81	.289
421.81	.604	470.81	.324	519.8	.257	568.81	.218	617.81	.27	666.81	.455	715.8	.276
422.81	.596	471.8	.32	520.81	.257	569.8	.216	618.81	.275	667.8	.46	716.81	.265
423.81	.586	472.82	.319	521.8	.257	570.81	.214	619.81	.279	668.82	.464	717.8	.256
424.82	.578	473.8	.316	522.81	.256	571.8	.214	620.82	.285	669.8	.465	718.81	.247
425.81	.572	474.81	.315	523.8	.256	572.81	.213	621.81	.289	670.82	.467	719.8	.24
426.81	.564	475.8	.312	524.81	.256	573.8	.212	622.81	.297	671.81	.468	720.81	.234
427.81	.555	476.81	.311	525.8	.255	574.81	.212	623.8	.302	672.82	.468	721.8	.226
428.81	.547	477.8	.308	526.81	.256	575.81	.209	624.82	.312	673.81	.466	722.81	.219
429.81	.539	478.81	.306	527.8	.256	576.81	.209	625.8	.32	674.81	.465	723.81	.214
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433.81	.511	482.81	.299	531.8	.256	580.81	.206	629.8	.355	678.81	.46	727.8	.186
434.81	.504	483.8	.296	532.81	.256	581.8	.205	630.81	.364	679.8	.461	728.82	.182
435.81	.495	484.82	.295	533.8	.255	582.81	.205	631.8	.37	680.81	.461	729.8	.187
436.82	.488	485.81	.292	534.81	.255	583.8	.204	632.81	.377	681.8	.46	730.81	.184
437.81	.482	486.82	.29	535.8	.254	584.81	.205	633.81	.382	682.81	.462	731.8	.181
438.82	.475	487.81	.288	536.81	.254	585.81	.203	634.82	.384	683.8	.464	732.81	.18
439.81	.468	488.82	.286	537.8	.253	586.81	.204	635.8	.385	684.82	.467	733.8	.176
440.82	.461	489.81	.283	538.81	.252	587.81	.203	636.81	.385	685.81	.469	734.81	.174
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400.94	5E-03	450.94	.016	499.93	.021	548.94	.026	597.92	.036	646.93	.051	695.92	.065
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407.93	7E-03	456.94	.016	505.93	.024	554.94	.025	603.93	.038	652.93	.054	701.92	.067
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409.92	7E-03	458.94	.017	507.93	.024	556.94	.024	605.93	.039	654.93	.053	703.93	.068
410.93	7E-03	459.93	.016	508.94	.023	557.93	.024	606.93	.039	655.93	.053	704.93	.068
411.93	7E-03	460.94	.017	509.93	.024	558.94	.025	607.93	.039	656.93	.053	705.93	.071
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413.93	8E-03	462.94	.019	511.93	.023	560.94	.024	609.93	.039	658.93	.055	707.93	.063
414.94	8E-03	463.93	.018	512.93	.023	561.93	.025	610.93	.041	659.93	.055	708.93	.062
415.93	8E-03	464.94	.02	513.93	.024	562.94	.025	611.93	.039	660.93	.055	709.93	.06
416.94	9E-03	465.93	.019	514.94	.024	563.93	.024	612.93	.04	661.93	.056	710.93	.058
417.93	9E-03	466.94	.019	515.93	.023	564.94	.025	613.93	.04	662.93	.057	711.93	.056
418.94	.01	467.93	.019	516.94	.025	565.93	.024	614.93	.041	663.93	.056	712.93	.058
419.93	.01	468.94	.019	517.93	.025	566.94	.025	615.93	.041	664.93	.057	713.93	.055
420.94	.012	469.93	.019	518.94	.025	567.93	.024	616.93	.041	665.93	.057	714.93	.056
421.93	.011	470.94	.02	519.93	.025	568.94	.024	617.93	.042	666.93	.058	715.93	.054
422.93	.011	471.93	.019	520.94	.025	569.93	.024	618.94	.043	667.93	.057	716.93	.056
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424.94	.013	473.93	.019	522.94	.026	571.93	.025	620.93	.043	669.92	.058	718.93	.06
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426.93	.012	475.93	.02	524.94	.025	573.93	.026	622.93	.044	671.93	.059	720.93	.063
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429.93	.014	477.93	.021	526.94	.026	575.93	.027	624.93	.043	673.93	.059	722.94	.068
429.93	.013	478.94	.021	527.93	.025	576.94	.028	625.93	.043	674.93	.06	723.93	.068
430.94	.014	479.93	.021	528.94	.026	577.93	.028	626.93	.045	675.93	.059	724.93	.07
431.93	.014	480.93	.021	529.93	.026	578.93	.029	627.93	.044	676.93	.06	725.93	.072
432.94	.015	481.93	.02	530.93	.027	579.93	.028	628.93	.045	677.93	.06	726.93	.075
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435.93	.016	484.94	.021	533.93	.026	582.94	.031	631.93	.046	680.93	.06	729.93	.075
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444.94	.015	493.93	.022	542.94	.026	591.93	.034	640.93	.048	689.93	.064	738.93	.075
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446.93	.015	495.93	.022	544.94	.025	593.93	.035	642.93	.05	691.93	.061	740.93	.071
447.93	.015	496.94	.023	545.93	.025	594.94	.036	643.92	.049	692.93	.065	741.93	.071
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