

港 湾 技 研 資 料

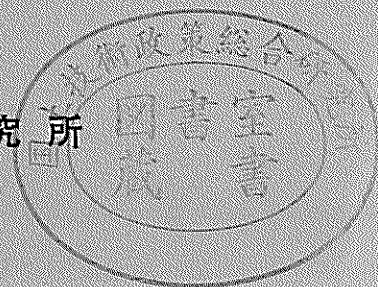
TECHNICAL NOTE OF
PORT AND HARBOUR TECHNICAL RESEARCH INSTITUTE
MINISTRY OF TRANSPORTATION, JAPAN

No.12 June 1964

海の波の波長および波速の計算表……………合田良実・竹田英章

昭和 39 年 6 月

運 輸 省 港 湾 技 術 研 究 所



海の波の波長および波速の計算表

合 田 良 実* 竹 田 英 章**

Tables of Water Wave Lengths and Celerities

by Yoshimi Goda and Hideaki Takeda

The wave lengths and celerities of small amplitude waves have been computed with the aid of a digital computer TOSBAC-3123 and compiled in four tables. The first and the third tables are concerned with prototype waves for the wave period of 2 to 30 seconds in the water of 0.2 to 300 meters deep. The second and the fourth tables are concerned with model waves for the wave period of 0.05 to 10 seconds in the water of 1 to 300 centimeters deep.

In addition a design diagram is provided for the wave lengths and celerities of finite amplitude waves which have been estimated with the aid of several wave theories.

*水工部模型試験課長

**水工部防波堤研究室

目 次

	頁
§ 1 まえがき	1
§ 2 微小振幅波の波長	1
§ 3 有限振幅波の波長	2
§ 4 あとがき	5
附表一I 現地波の波長の表	7
($T=2\sim 30\text{sec}$, $h=0.2\sim 300\text{m}$)	
附表一II 模型波の波長の表	19
($T=0.05\sim 10\text{sec}$, $h=1\sim 300\text{cm}$)	
附表一III 現地波の波速の表	33
($T=2\sim 30\text{sec}$, $h=0.2\sim 300\text{m}$)	
附表一IV 模型波の波速の表	45
($T=0.05\sim 10\text{sec}$, $h=1\sim 300\text{cm}$)	

§ 1 ま え が き

海岸、港湾構造物の設計にあたっては、各種計算において任意水深における波長あるいは波速の値を必要とすることがはなはだ多い。しかしながら波長あるいは波速を求めるにあたっては、浅水における“波の特性の変化図”より、あるいはメッシュの粗い“水深—周期—波長・波速の計算表”よりの内挿で間に合せているのが殆んどである。

また近年においては港湾構造物の設計計算を電子計算機で行うことが多くなり、港湾技術研究所においてもTOSBAC-3123が設置され、各種港湾構造物のサブルーチンが次第に整えられてきている。しかしこれらサブルーチンの中で波長を必要とするものは、いずれも波長をあらかじめ入力として与えてやらなくてはならない。

従つてこの波長を求める為に一般に海岸・港湾工学上の設計に使用されている、最も一般的な微小振幅の波の式を使用して波長を求めるサブルーチンを作成し、それを用いて実用にならうと思われるメッシュ、および範囲内の波長および波速の計算表を作成した。

附表一Ⅰ・Ⅲは実際の港湾工事の設計に際して使用するのを目的として、周期2~30秒、水深0.2~300mの範囲内で波長・波速を計算し、附表一Ⅱ・Ⅳは主に模型実験の際使用するのを目的として、周期0.05~10秒、水深1~300cmにおける波長・波速を計算したものである。

また実際の波では、波高が増大するにつれて波長・波速も若干増大するので、この波長・波速増加率を種々の有限振幅波理論などから推定した結果を図-2に設計図表としてまとめた。

§ 2 微小振幅波の波長

微小振幅の波の波長は、土木学会水理公式集〔1963〕などに載せられているように次式で与えられる。

$$L = \frac{gT^2}{2\pi} \tanh \frac{2\pi h}{L} \quad (1)$$

ただし L：微小振幅波の波長

T：波の周期

g：重力の加速度 (=9.80m/sec²)

h：水深

π：円周率 (=3.141………)

この式の誘導については、例えば佐藤〔1960〕を参照されたい。

水深が波長の $\frac{1}{2}$ より深い時は

$$\tanh \frac{2\pi h}{L} \simeq 1$$

の近似が成り立って(1)式は

$$L_0 = \frac{g}{2\pi} T^2 \quad (2)$$

と書き表される。ここに L_0 は深海波としての波長である。 $h/L=0.5$ の時の(2)式の近似誤差は0.4%である。

一方水深が波長の $\frac{1}{20}$ より浅い時は

$$\tanh \frac{2\pi h}{L} \simeq \frac{2\pi h}{L}$$

の近似が成り立って(1)式は

$$L = \sqrt{gh} \cdot T \quad (3)$$

と書き表される。このような時の波は長波または浅海波と呼ばれる。\$h/L=0.05\$ の時の(3)式の近似誤差は3%である。

(2)または(3)式の近似式が成立する場合の波長計算は簡単であるが、その中間領域について(1)式から波長を計算するのは仲々厄介である。このため、あらかじめ適当な周期と水深の組み合わせについて波長を計算して表を作成しておくことが望しく、既に公式集や港湾工事設計要覧などに簡単な波長の表が収録されている。しかし実用上からは表が詳しいほど使い易い訳で、このため電子計算機を用いて詳細な波長・波速の表を作成した訳である。

まえがきに述べた通り附表一Ⅰ・Ⅲは現地波を対象とし、波長および波速の単位は[m]である。附表一Ⅱ・Ⅳは模型波を対象とし、単位は[cm]である。附表一Ⅰ～Ⅳでは、最上段に周期を示し、最左列に水深を記してある。例えば周期10.6secの波の水深13.5mにおける波長は、附表一Ⅰ、12ページから112.1mと読み取られる。

波速は、波長を周期で割つても求められ、また附表一Ⅲ、Ⅳとして載せてある。

附表一Ⅰ、Ⅱ、の波長の計算に当つては、図-1に示すようなフローチャートに基いて作成したサブルーチンを使用している(計算方式及びサブルーチンの詳細については文献[1]を参照されたい)。このフローチャートに見られるように(1)式の計算はNewtonの逐次近似法に拠っており、前回は求めた値と新しく得られた波長の値の差が0.1%以下になった時に計算を打ち切るようにしてある。従つて附表一Ⅰ～Ⅳの数値の誤差は0.1%以下である。ただし、数値の末尾は切捨表示になっているので、有効数字が2桁の所は0.1%の精度は期待できない。

§ 3 有限振幅波の波長

前節の(1)式は波高が波長、水深に比べて極めて小さい場合にのみ適用されるもので、実際の波では有限波高の影響を受けて(1)式で与えられるものよりも若干増大する。この波長増大率はSkjelbreia [1958]による第3次近似式では、

$$\frac{L}{L_A} = \frac{C}{C_A} = \sqrt{1 + \left(\frac{\pi H}{L}\right)^2 \frac{\cosh \frac{8\pi h}{L} + 8}{8 \left(\sinh \frac{2\pi h}{L}\right)^4}} \quad (4)$$

と表される。ただし\$L_A\$及び\$C_A\$は微小振幅波の波長と波速である。この式は水深が比較的深く、波高もそれほど大きくない所では良い値を与えるが、水深が浅くなり、また波高の大きな砕波に近い波に対しては過大な値を与えるようである。SkjelbreiaとHendrickson [1962]はさらに有限振幅波の第5次近似式を導いて、波形・波速・粒子速度・加速度などを詳細に計算しているが、後述の砕波限界における波長と比較してみると矢張り\$h/L < 0.15\$の浅い箇所では、かなり過大な波長を示していてその適用について疑問を残している。

波高の増大に伴う波長増大は砕波点がその限界となる。深海波の砕波限界とその時の波速についてはMichell [1893], Havelock [1919], Chappellear [1958], Yamada [1957a]などの研究があり、深海波の砕波限界として

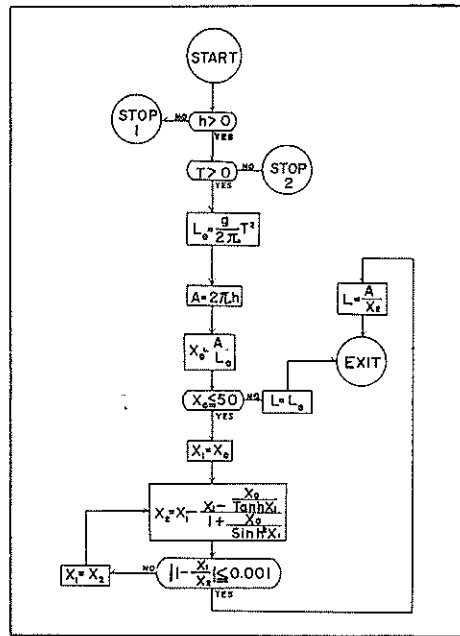


FIG-1 FLOW CHART

$$\frac{H}{L_A}=0.17 \quad \frac{C}{C_A}=1.20 \quad (5)$$

の値が得られている。

一方極めて浅い所における砕波限界としては、McCowan [1894] による孤立波の限界値

$$\frac{H_b}{h}=0.78 \quad \frac{C}{C_A}=1.25 \quad (6)$$

があるが、Yamada [1957b] は近似の精度を高めて次のような値を得ている。

$$\frac{H_b}{h}=0.828 \quad \frac{C}{C_A}=1.287 \quad (7)$$

また砕波に到らない孤立波の波速については、Laitone [1960] が次の近似式を与えているので、これにより $h/L \rightarrow 0$ の時の波長及び波速増大率を推定することができる。

$$\frac{C}{C_A}=1 + \frac{1}{2} \cdot \frac{H}{h} - \frac{3}{20} \left(\frac{H}{h}\right)^2 \quad (8)$$

さらに中間領域における砕波限界については、Chappelear [1958] が $h/L=0.07 \sim 0.97$ の13ケースについて計算を行い、また Yamada [1958] は $h/L=0.29$ のケースについて計算値を示している。

このように種々の理論値は求められているが、深海から浅海までの砕波限界の波をまで包括した理論は未だ樹立されておらず、上記の諸理論の間でもそれらの結果が一致しているとはいえない。そこで、専ら実用上の見地から波長及び波速増大率に関する設計図表を作成することにして、(5), (7), (8)式、Chappelear と Yamada の中間領域における砕波限界及び Skjelbreia と Hendrickson の第5次近似解などを参照しながら図-2を作成した。

図-2は、水深波長比 h/L_A を横軸にとり、波高水深比 H/h をパラメーターとして、波長及び波速の増大率 L/L_A および C/C_A を縦軸に表示してある。従つてこの図を使用するには、まず附表-IまたはIIから微小振幅波としての波長を求めておいて、それに対する補正率を図から読み取ることになる。参考として以下に使用例を挙げておく。

例 水深15mにおける周期12sec 波高6mの波の波長及び波速を求める。

附表-I, 13ページより

$$L_A=135\text{m}$$

波速は附表-III, 39ページより

$$C_A=11.3\text{m/sec}$$

$$\therefore \frac{h}{L_A} = \frac{15}{135} = 0.11$$

また与えられた条件から

$$\frac{H}{h} = \frac{6}{15} = 0.4$$

図-2の $H/h=0.4$ の線の $h/L_A=0.11$ における値を読みとれば

$$\frac{L}{L_A} = \frac{C}{C_A} = 1.07$$

従つて求める波長および波速は

$$L = 1.07 \times 135 = 145\text{m}$$

$$C = 1.07 \times 11.3 = 12.1\text{m/sec}$$

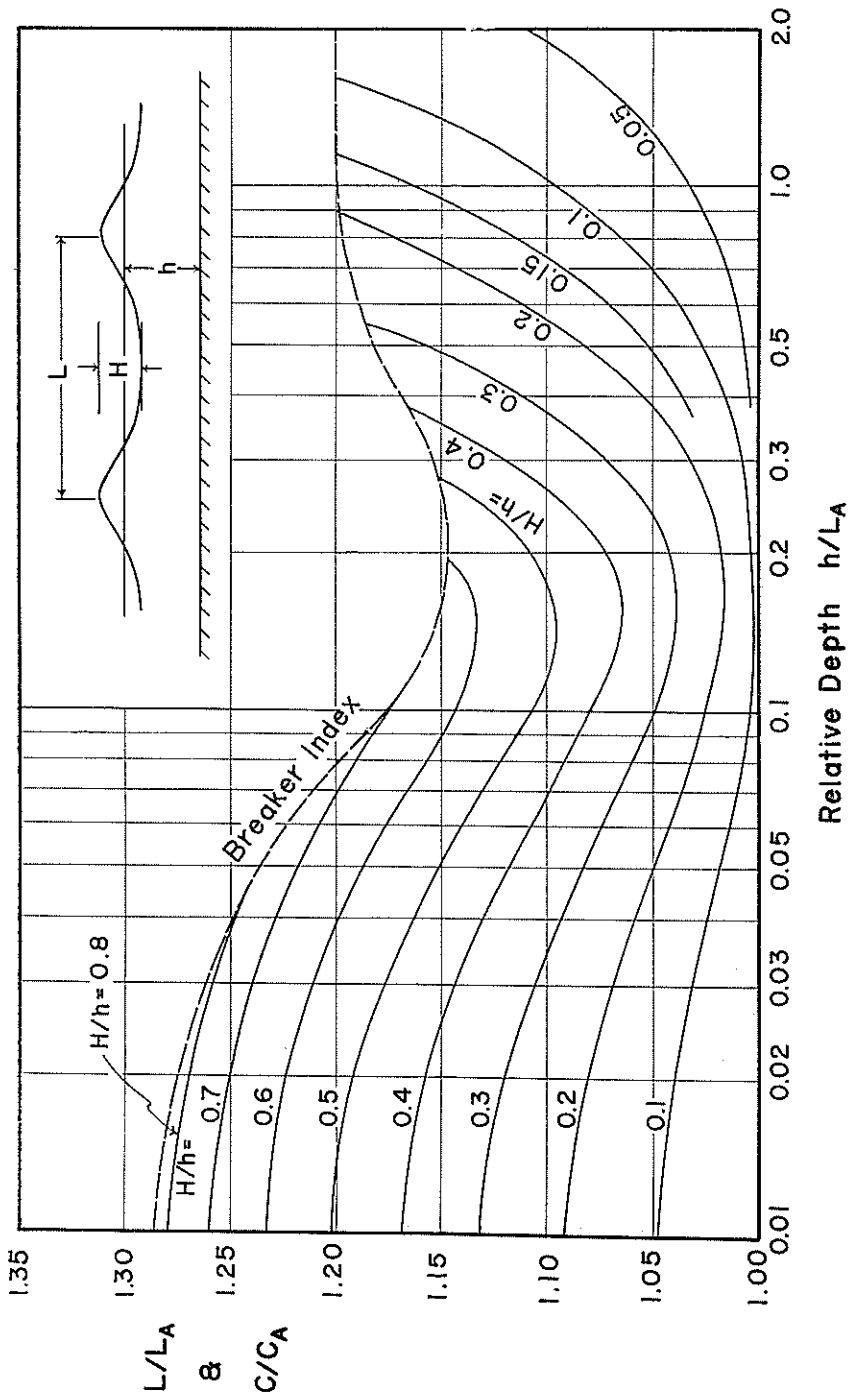


图-2

§ 4 あとがき

この数表を作成するにあたっては、当所設計基準部計算室の各位に多大の御指導を頂き、また水工部防波堤研究室の森平技官に幾多の有益なる助言を頂いた。ここに記して深謝の意を表する次第である。

なお、波長計算用のサブルーチンは設計基準部計算室に保管されてあるので、今後種々の設計計算などに活用されることを希望する次第である。

参 考 文 献

1. 防波堤研究室 [1964]: "微小振幅波の波長を求める Subroutine" 運輸省港湾技術研究所水工部, 防波堤研究室資料 No. 25 (部内資料未公開), 18pp.
2. Chappellear, J. E. [1959]: "On the Theory of the Highest Waves," Beach Erosion Board, Technical Memorandum No. 116, July, 28 pp.
3. 土木学会 [1963]: "水理公式集 (昭和38年増補改定版)," 603pp.
4. Havelock, T. H. [1919]: "Periodic Irrotational Waves of Finite Height," Proc. Roy. Soc., London, Ser. A, Vol. 95, pp. 38-51.
5. Laitone, E. V. [1960]: "The Second Approximation to Cnoidal and Solitary Waves," Jour. Fluid Mech., Vol. 9, Part 3, pp. 430-444.
6. McCowan, J. [1894]: "On the Highest Wave of Permanent Type," Phil. Mag., Ser. 5, Vol. 38, pp. 351-358.
7. Michell, J. H. [1893]: "On the Highest Waves in Water," Phil. Mag., Ser. 5, Vol. 36, pp. 430-435.
8. 佐藤清一 [1960]: "水理学", 森北出版, 402pp.
9. Skjelbreia, L. [1958]: "Gravity Waves, Stokes' Third Order Approximation, Tables of Functions," Council on Wave Research, The Engineering Foundation, Univ. of California.
10. Skjelbreia, L. and Hendrickson, J. A. [1962]: "Fifth Order Gravity Wave Theory with Tables of Functions," National Engineering Science Company, Pasadena, California, 424. pp.
11. Yamada, H. [1957a]: "Highest Waves of Permanent Type on the Surface of Deep Water," Reports of Research Inst. Applied Mech., Kyushu Univ., Vol. V, No. 18, pp. 37-52.
12. Yamada, H. [1957b]: "On the Highest Solitary Wave," Reports of Research Inst. Applied Mech., Kyushu Univ., Vol. V, No. 18, pp. 53-67.
13. Yamada, H. [1958]: "Permanent Gravity Waves on Water of Uniform Depths," Reports of Research Inst. Applied Mech., Kyushu Univ., Vol. VI, No. 23, pp. 127-139.

附表-I 現地波の波長の表 (単位 m)

TABLE-I Lengths of Prototype Waves

$T = 2 \sim 30 \text{ sec.}$

$h = 0.2 \sim 300 \text{ m.}$

TIME (SEC)	4.00	4.20	4.40	4.60	4.80	5.00	5.20	5.40	5.60	5.80
0.2	5.55	5.53	5.51	5.40	5.08	4.76	7.24	7.52	7.80	6.09
0.4	7.75	8.19	8.59	9.09	9.59	10.19	10.59	10.99	11.39	11.39
0.6	9.85	9.95	10.45	10.94	11.45	11.95	12.45	12.94	13.44	13.90
0.8	10.82	11.40	11.98	12.55	13.15	13.70	14.27	14.84	15.41	15.98
1.0	11.99	12.55	13.24	13.94	14.59	15.23	15.87	16.52	17.16	17.80
1.2	13.02	13.74	14.46	15.17	15.88	16.59	17.30	18.01	18.71	19.41
1.4	13.98	14.73	15.50	16.28	17.05	17.82	18.59	19.36	20.12	20.88
1.6	14.77	15.52	16.45	17.29	18.12	18.95	19.77	20.60	21.42	22.23
1.8	15.55	16.43	17.32	18.21	19.10	19.98	20.86	21.74	22.61	23.49
2.0	16.22	17.17	18.12	19.07	20.01	20.95	21.88	22.81	23.73	24.65
2.2	16.85	17.86	18.87	19.86	20.85	21.84	22.82	23.80	24.78	25.75
2.4	17.44	18.50	19.56	20.61	21.65	22.69	23.71	24.74	25.76	26.78
2.6	17.98	19.10	20.20	21.30	22.39	23.47	24.55	25.62	26.69	27.76
2.8	18.49	19.65	20.80	21.95	23.09	24.22	25.34	26.46	27.57	28.68
3.0	18.95	20.17	21.37	22.56	23.75	24.92	26.09	27.25	28.41	29.56
3.2	19.39	20.65	21.90	23.14	24.37	25.59	26.80	28.01	29.21	30.40
3.4	19.79	21.10	22.40	23.68	24.97	26.24	27.48	28.71	29.94	31.21
3.6	20.17	21.53	22.87	24.20	25.51	26.81	28.12	29.41	30.64	31.97
3.8	20.52	21.92	23.31	24.68	26.04	27.34	28.73	30.09	31.34	32.71
4.0	20.85	22.30	23.72	25.14	26.54	27.84	29.32	30.69	32.05	33.41
4.2	21.16	22.65	24.12	25.58	27.02	28.45	29.89	31.24	32.69	34.09
4.4	21.44	22.97	24.49	25.99	27.47	28.95	30.41	31.86	33.30	34.74
4.6	21.71	23.28	24.84	26.38	27.90	29.42	30.92	32.41	33.89	35.36
4.8	21.96	23.57	25.17	26.75	28.32	29.87	31.41	32.94	34.45	35.96
5.0	22.19	23.84	25.48	27.10	28.71	30.30	31.90	33.44	35.00	36.54
5.2	22.40	24.05	25.78	27.40	29.00	31.24	32.46	34.02	35.27	37.00
5.4	22.52	24.26	26.09	27.60	29.40	32.18	33.04	34.59	35.74	37.48
5.6	22.67	24.47	26.40	27.82	29.82	33.00	33.62	35.16	36.28	37.94
5.8	22.76	24.67	26.72	28.07	30.24	33.84	34.20	35.73	36.81	38.39
6.0	22.80	24.80	27.04	28.34	30.60	34.60	34.80	36.30	37.30	38.80
6.2	22.85	24.95	27.32	28.62	30.90	35.00	35.40	36.80	37.80	39.20
6.4	22.90	25.10	27.60	28.90	31.20	35.40	36.00	37.40	38.30	39.60
6.6	22.95	25.25	27.88	29.18	31.50	35.80	36.60	38.00	38.80	40.00
6.8	23.00	25.40	28.16	29.46	31.80	36.20	37.20	38.60	39.40	40.40
7.0	23.05	25.55	28.44	29.74	32.10	36.60	37.80	39.20	39.90	40.80
7.2	23.10	25.70	28.72	30.02	32.40	37.00	38.40	39.80	40.40	41.20
7.4	23.15	25.85	29.00	30.30	32.70	37.40	39.00	40.40	41.00	41.60
7.6	23.20	26.00	29.28	30.58	33.00	37.80	39.60	41.00	41.60	42.00
7.8	23.25	26.15	29.56	30.86	33.30	38.20	40.20	41.60	42.20	42.40
8.0	23.30	26.30	29.84	31.14	33.60	38.60	40.80	42.20	42.80	42.80
8.2	23.35	26.45	30.12	31.42	33.90	39.00	41.40	42.80	43.40	43.20
8.4	23.40	26.60	30.40	31.70	34.20	39.40	42.00	43.40	44.00	43.60
8.6	23.45	26.75	30.68	31.98	34.50	39.80	42.60	44.00	44.60	44.00
8.8	23.50	26.90	30.96	32.26	34.80	40.20	43.20	44.60	45.20	44.40
9.0	23.55	27.05	31.24	32.54	35.10	40.60	43.80	45.20	45.80	44.80
9.2	23.60	27.20	31.52	32.82	35.40	41.00	44.40	45.80	46.40	45.20
9.4	23.65	27.35	31.80	33.10	35.70	41.40	45.00	46.40	47.00	45.60
9.6	23.70	27.50	32.08	33.38	36.00	41.80	45.60	47.00	47.60	46.00
9.8	23.75	27.65	32.36	33.66	36.30	42.20	46.20	47.60	48.20	46.40
10.0	23.80	27.80	32.64	33.94	36.60	42.60	46.80	48.20	48.80	46.80
10.2	23.85	27.95	32.92	34.22	36.90	43.00	47.40	48.80	49.40	47.20
10.4	23.90	28.10	33.20	34.50	37.20	43.40	48.00	49.40	49.90	47.60
10.6	23.95	28.25	33.48	34.78	37.50	43.80	48.60	49.90	50.50	48.00
10.8	24.00	28.40	33.76	35.06	37.80	44.20	49.20	50.50	51.10	48.40
11.0	24.05	28.55	34.04	35.34	38.10	44.60	49.80	51.10	51.70	48.80
11.2	24.10	28.70	34.32	35.62	38.40	45.00	50.40	51.70	52.30	49.20
11.4	24.15	28.85	34.60	35.90	38.70	45.40	51.00	52.30	52.90	49.60
11.6	24.20	29.00	34.88	36.18	39.00	45.80	51.60	52.90	53.50	50.00
11.8	24.25	29.15	35.16	36.46	39.30	46.20	52.20	53.50	54.10	50.40
12.0	24.30	29.30	35.44	36.74	39.60	46.60	52.80	54.10	54.70	50.80
12.2	24.35	29.45	35.72	37.02	39.90	47.00	53.40	54.70	55.30	51.20
12.4	24.40	29.60	36.00	37.30	40.20	47.40	54.00	55.30	55.90	51.60
12.6	24.45	29.75	36.28	37.58	40.50	47.80	54.60	55.90	56.50	52.00
12.8	24.50	29.90	36.56	37.86	40.80	48.20	55.20	56.50	57.10	52.40
13.0	24.55	30.05	36.84	38.14	41.10	48.60	55.80	57.10	57.70	52.80
13.2	24.60	30.20	37.12	38.42	41.40	49.00	56.40	57.70	58.30	53.20
13.4	24.65	30.35	37.40	38.70	41.70	49.40	57.00	58.30	58.90	53.60
13.6	24.70	30.50	37.68	38.98	42.00	49.80	57.60	58.90	59.50	54.00
13.8	24.75	30.65	37.96	39.26	42.30	50.20	58.20	59.50	60.10	54.40
14.0	24.80	30.80	38.24	39.54	42.60	50.60	58.80	60.10	60.70	54.80
14.2	24.85	30.95	38.52	39.82	42.90	51.00	59.40	60.70	61.30	55.20
14.4	24.90	31.10	38.80	40.10	43.20	51.40	60.00	61.30	61.90	55.60
14.6	24.95	31.25	39.08	40.38	43.50	51.80	60.60	61.90	62.50	56.00
14.8	25.00	31.40	39.36	40.66	43.80	52.20	61.20	62.50	63.10	56.40
15.0	25.05	31.55	39.64	40.94	44.10	52.60	61.80	63.10	63.70	56.80
15.2	25.10	31.70	39.92	41.22	44.40	53.00	62.40	63.70	64.30	57.20
15.4	25.15	31.85	40.20	41.50	44.70	53.40	63.00	64.30	64.90	57.60
15.6	25.20	32.00	40.48	41.78	45.00	53.80	63.60	64.90	65.50	58.00
15.8	25.25	32.15	40.76	42.06	45.30	54.20	64.20	65.50	66.10	58.40
16.0	25.30	32.30	41.04	42.34	45.60	54.60	64.80	66.10	66.70	58.80
16.2	25.35	32.45	41.32	42.62	45.90	55.00	65.40	66.70	67.30	59.20
16.4	25.40	32.60	41.60	42.90	46.20	55.40	66.00	67.30	67.90	59.60
16.6	25.45	32.75	41.88	43.18	46.50	55.80	66.60	67.90	68.50	60.00
16.8	25.50	32.90	42.16	43.46	46.80	56.20	67.20	68.50	69.10	60.40
17.0	25.55	33.05	42.44	43.74	47.10	56.60	67.80	69.10	69.70	60.80
17.2	25.60	33.20	42.72	44.02	47.40	57.00	68.40	69.70	70.30	61.20
17.4	25.65	33.35	43.00	44.30	47.70	57.40	69.00	70.30	70.90	61.60
17.6	25.70	33.50	43.28	44.58	48.00	57.80	69.60	70.90	71.50	62.00
17.8	25.75	33.65	43.56	44.86	48.30	58.20	70.20	71.50	72.10	62.40
18.0	25.80	33.80	43.84	45.14	48.60	58.60	70.80	72.10	72.70	62.80
18.2	25.85	33.95	44.12	45.42	48.90	59.00	71.40	72.70	73.30	63.20
18.4	25.90	34.10	44.40	45.70	49.20	59.40	72.00	73.30	73.90	63.60
18.6	25.95	34.25	44.68	45.98	49.50	59.80	72.60	73.90	74.50	64.00
18.8	26.00	34.40	44.96	46.26	49.80	60.20	73.20	74.50	75.10	64.40
19.0	26.05	34.55	45.24	46.54	50.10	60.60	73.80	75.10	75.70	64.80
19.2	26.10	34.70	45.52	46.82	50.40	61.00	74.40	75.70	76.30	65.20
19.4	26.15	34.85	45.80	47.10	50.70	61.40	75.00	76.30	76.90	65.60
19.6	26.20	35.00	46.08	47.38	51.00	61.80	75.60	76.90	77.50	66.00
19.8	26.25	35.15	46.36	47.66	51.30	62.20	76.20	77.50	78.10	66.40
20.0	26.30	35.30	46.64	47.94	51.60	62.60	76.80	78.10	78.70	66.80
20.2	26.35	35.45	46.92	48.22	51.90	63.00	77.40	78.70	79.30	67.20
20.4	26.40	35.60	47.20	48.50	52.20	63.40	78.00	79.30	79.90	67.60
20.6	26.45	35.75	47.48	48.78	52.50	63.80	78.60	79.90	80.50	68.00
20.8	26.50	35.90	47.76	49.06	52.80	64.20	79.20	80.50	81.10	68.40
21.0	26.55	36.05	48.04	49.34	53.10	64.60	79.80	81.10	81.70	68.80
21.2	26.60	36.20	48.32	49.62	53.40	65.00	80.40	81.70	82.30	69.20
21.4	26.65	36.35	48.60	49.90	53.70	65.40	81.00	82.30	82.90	69.60
21.6	26.70	36.50	48.88	50.18	54.00	65.80	81.60	82.90		

ΔT (SEC)	6.00	6.20	6.40	6.60	6.80	7.00	7.20	7.40	7.60	7.80
1.2	8.37	8.65	8.93	9.21	9.49	9.77	10.05	10.33	10.61	10.89
1.4	11.79	12.07	12.35	12.63	12.91	13.19	13.47	13.75	14.03	14.31
1.6	14.39	14.67	14.95	15.23	15.51	15.79	16.07	16.35	16.63	16.91
1.8	16.53	16.81	17.09	17.37	17.65	17.93	18.21	18.49	18.77	19.05
2.0	18.43	18.71	18.99	19.27	19.55	19.83	20.11	20.39	20.67	20.95
2.2	20.12	20.40	20.68	20.96	21.24	21.52	21.80	22.08	22.36	22.64
2.4	21.65	21.93	22.21	22.49	22.77	23.05	23.33	23.61	23.89	24.17
2.6	23.05	23.33	23.61	23.89	24.17	24.45	24.73	25.01	25.29	25.57
2.8	24.36	24.64	24.92	25.20	25.48	25.76	26.04	26.32	26.60	26.88
3.0	25.57	25.85	26.13	26.41	26.69	26.97	27.25	27.53	27.81	28.09
3.2	26.72	27.00	27.28	27.56	27.84	28.12	28.40	28.68	28.96	29.24
3.4	27.80	28.08	28.36	28.64	28.92	29.20	29.48	29.76	30.04	30.32
3.6	28.82	29.10	29.38	29.66	29.94	30.22	30.50	30.78	31.06	31.34
3.8	29.79	30.07	30.35	30.63	30.91	31.19	31.47	31.75	32.03	32.31
4.0	30.71	30.99	31.27	31.55	31.83	32.11	32.39	32.67	32.95	33.23
4.2	31.59	31.87	32.15	32.43	32.71	32.99	33.27	33.55	33.83	34.11
4.4	32.46	32.74	33.02	33.30	33.58	33.86	34.14	34.42	34.70	34.98
4.6	33.28	33.56	33.84	34.12	34.40	34.68	34.96	35.24	35.52	35.80
4.8	34.05	34.33	34.61	34.89	35.17	35.45	35.73	36.01	36.29	36.57
5.0	34.78	35.06	35.34	35.62	35.90	36.18	36.46	36.74	37.02	37.30
5.2	35.47	35.75	36.03	36.31	36.59	36.87	37.15	37.43	37.71	37.99
5.4	36.12	36.40	36.68	36.96	37.24	37.52	37.80	38.08	38.36	38.64
5.6	36.73	37.01	37.29	37.57	37.85	38.13	38.41	38.69	38.97	39.25
5.8	37.30	37.58	37.86	38.14	38.42	38.70	38.98	39.26	39.54	39.82
6.0	37.83	38.11	38.39	38.67	38.95	39.23	39.51	39.79	40.07	40.35
6.2	38.33	38.61	38.89	39.17	39.45	39.73	40.01	40.29	40.57	40.85
6.4	38.80	39.08	39.36	39.64	39.92	40.20	40.48	40.76	41.04	41.32
6.6	39.24	39.52	39.80	40.08	40.36	40.64	40.92	41.20	41.48	41.76
6.8	39.65	39.93	40.21	40.49	40.77	41.05	41.33	41.61	41.89	42.17
7.0	40.03	40.31	40.59	40.87	41.15	41.43	41.71	41.99	42.27	42.55
7.2	40.38	40.66	40.94	41.22	41.50	41.78	42.06	42.34	42.62	42.90
7.4	40.70	40.98	41.26	41.54	41.82	42.10	42.38	42.66	42.94	43.22
7.6	41.00	41.28	41.56	41.84	42.12	42.40	42.68	42.96	43.24	43.52
7.8	41.28	41.56	41.84	42.12	42.40	42.68	42.96	43.24	43.52	43.80
8.0	41.54	41.82	42.10	42.38	42.66	42.94	43.22	43.50	43.78	44.06
8.2	41.78	42.06	42.34	42.62	42.90	43.18	43.46	43.74	44.02	44.30
8.4	42.00	42.28	42.56	42.84	43.12	43.40	43.68	43.96	44.24	44.52
8.6	42.20	42.48	42.76	43.04	43.32	43.60	43.88	44.16	44.44	44.72
8.8	42.38	42.66	42.94	43.22	43.50	43.78	44.06	44.34	44.62	44.90
9.0	42.54	42.82	43.10	43.38	43.66	43.94	44.22	44.50	44.78	45.06
9.2	42.68	42.96	43.24	43.52	43.80	44.08	44.36	44.64	44.92	45.20
9.4	42.80	43.08	43.36	43.64	43.92	44.20	44.48	44.76	45.04	45.32
9.6	42.90	43.18	43.46	43.74	44.02	44.30	44.58	44.86	45.14	45.42
9.8	42.98	43.26	43.54	43.82	44.10	44.38	44.66	44.94	45.22	45.50
10.0	43.04	43.32	43.60	43.88	44.16	44.44	44.72	45.00	45.28	45.56
10.2	43.08	43.36	43.64	43.92	44.20	44.48	44.76	45.04	45.32	45.60
10.4	43.10	43.38	43.66	43.94	44.22	44.50	44.78	45.06	45.34	45.62
10.6	43.12	43.40	43.68	43.96	44.24	44.52	44.80	45.08	45.36	45.64
10.8	43.14	43.42	43.70	43.98	44.26	44.54	44.82	45.10	45.38	45.66
11.0	43.16	43.44	43.72	44.00	44.28	44.56	44.84	45.12	45.40	45.68
11.2	43.18	43.46	43.74	44.02	44.30	44.58	44.86	45.14	45.42	45.70
11.4	43.20	43.48	43.76	44.04	44.32	44.60	44.88	45.16	45.44	45.72
11.6	43.22	43.50	43.78	44.06	44.34	44.62	44.90	45.18	45.46	45.74
11.8	43.24	43.52	43.80	44.08	44.36	44.64	44.92	45.20	45.48	45.76
12.0	43.26	43.54	43.82	44.10	44.38	44.66	44.94	45.22	45.50	45.78
12.2	43.28	43.56	43.84	44.12	44.40	44.68	44.96	45.24	45.52	45.80
12.4	43.30	43.58	43.86	44.14	44.42	44.70	44.98	45.26	45.54	45.82
12.6	43.32	43.60	43.88	44.16	44.44	44.72	45.00	45.28	45.56	45.84
12.8	43.34	43.62	43.90	44.18	44.46	44.74	45.02	45.30	45.58	45.86
13.0	43.36	43.64	43.92	44.20	44.48	44.76	45.04	45.32	45.60	45.88
13.2	43.38	43.66	43.94	44.22	44.50	44.78	45.06	45.34	45.62	45.90
13.4	43.40	43.68	43.96	44.24	44.52	44.80	45.08	45.36	45.64	45.92
13.6	43.42	43.70	43.98	44.26	44.54	44.82	45.10	45.38	45.66	45.94
13.8	43.44	43.72	44.00	44.28	44.56	44.84	45.12	45.40	45.68	45.96
14.0	43.46	43.74	44.02	44.30	44.58	44.86	45.14	45.42	45.70	45.98
14.2	43.48	43.76	44.04	44.32	44.60	44.88	45.16	45.44	45.72	46.00
14.4	43.50	43.78	44.06	44.34	44.62	44.90	45.18	45.46	45.74	46.02
14.6	43.52	43.80	44.08	44.36	44.64	44.92	45.20	45.48	45.76	46.04
14.8	43.54	43.82	44.10	44.38	44.66	44.94	45.22	45.50	45.78	46.06
15.0	43.56	43.84	44.12	44.40	44.68	44.96	45.24	45.52	45.80	46.08
15.2	43.58	43.86	44.14	44.42	44.70	44.98	45.26	45.54	45.82	46.10
15.4	43.60	43.88	44.16	44.44	44.72	45.00	45.28	45.56	45.84	46.12
15.6	43.62	43.90	44.18	44.46	44.74	45.02	45.30	45.58	45.86	46.14
15.8	43.64	43.92	44.20	44.48	44.76	45.04	45.32	45.60	45.88	46.16
16.0	43.66	43.94	44.22	44.50	44.78	45.06	45.34	45.62	45.90	46.18
16.2	43.68	43.96	44.24	44.52	44.80	45.08	45.36	45.64	45.92	46.20
16.4	43.70	43.98	44.26	44.54	44.82	45.10	45.38	45.66	45.94	46.22
16.6	43.72	44.00	44.28	44.56	44.84	45.12	45.40	45.68	45.96	46.24
16.8	43.74	44.02	44.30	44.58	44.86	45.14	45.42	45.70	45.98	46.26
17.0	43.76	44.04	44.32	44.60	44.88	45.16	45.44	45.72	46.00	46.28
17.2	43.78	44.06	44.34	44.62	44.90	45.18	45.46	45.74	46.02	46.30
17.4	43.80	44.08	44.36	44.64	44.92	45.20	45.48	45.76	46.04	46.32
17.6	43.82	44.10	44.38	44.66	44.94	45.22	45.50	45.78	46.06	46.34
17.8	43.84	44.12	44.40	44.68	44.96	45.24	45.52	45.80	46.08	46.36
18.0	43.86	44.14	44.42	44.70	44.98	45.26	45.54	45.82	46.10	46.38
18.2	43.88	44.16	44.44	44.72	45.00	45.28	45.56	45.84	46.12	46.40
18.4	43.90	44.18	44.46	44.74	45.02	45.30	45.58	45.86	46.14	46.42
18.6	43.92	44.20	44.48	44.76	45.04	45.32	45.60	45.88	46.16	46.44
18.8	43.94	44.22	44.50	44.78	45.06	45.34	45.62	45.90	46.18	46.46
19.0	43.96	44.24	44.52	44.80	45.08	45.36	45.64	45.92	46.20	46.48
19.2	43.98	44.26	44.54	44.82	45.10	45.38	45.66	45.94	46.22	46.50
19.4	44.00	44.28	44.56	44.84	45.12	45.40	45.68	45.96	46.24	46.52
19.6	44.02	44.30	44.58	44.86	45.14	45.42	45.70	45.98	46.26	46.54
19.8	44.04	44.32	44.60	44.88	45.16	45.44	45.72	46.00	46.28	46.56
20.0	44.06	44.34	44.62	44.90	45.18	45.46	45.74	46.02	46.30	46.58
20.2	44.08	44.36	44.64	44.92	45.20	45.48	45.76	46.04	46.32	46.60
20.4	44.10	44.38	44.66	44.94	45.22	45.50	45.78	46.06	46.34	46.62
20.6	44.12	44.40	44.68	44.96	45.24	45.52	45.80	46.08	46.36	46.64
20.8	44.14	44.42	44.70	44.98	45.26	45.54	45.82	46.10	46.38	46.66
21.0	44.16	44.44	44.72	45.00	45.28	45.56	45.84	46.12	46.40	46.68
21.2	44.18	44.46	44.74	45.02	45.30	45.58	45.86	46.14	46.42	46.70
21.4	44.20	44.48	44.76	45.04	45.32	45.60	45.88	46.16	46.44	46.72
21.6	44.22	44.50	44.78	45.06	45.34	45.62	45.90	46.18	46.46	46.74
21.8	44.24	44.52	44.80	45.08	45.36	45.64	45.92	46.20	46.48	46.76
22.0	44.26	44.54	44.82	45.10	45.38	45.66	45.94	46.22	46.50	46.78
22.2	44.28	44.56	44.84	45.12	45.40	45.68	45.96	46.24	46.52	46.80
22.4	44.30	44.58	44.86	45.14	45.42	45.70	45.98	46.26	46.54	46.82
22.6	44.32	44.60	44.88	45.16	45.44	45.72				

TIME (SEC)	0.00	0.20	0.40	0.60	0.80	1.00	1.20	1.40	1.60	1.80
0.2	11.36	11.46	11.74	12.02	12.30	12.58	12.86	13.14	13.42	13.70
0.4	15.77	16.17	16.57	16.97	17.36	17.76	18.16	18.56	18.95	19.35
0.6	19.28	19.77	20.25	20.74	21.23	21.72	22.21	22.69	23.18	23.67
0.8	22.21	22.78	23.34	23.91	24.47	25.04	25.60	26.16	26.73	27.29
1.0	24.78	25.42	26.05	26.68	27.31	27.95	28.58	29.21	29.84	30.47
1.2	27.09	27.79	28.48	29.18	29.87	30.56	31.25	31.94	32.64	33.33
1.4	29.20	29.95	30.70	31.46	32.21	32.96	33.71	34.46	35.20	35.95
1.6	31.15	31.96	32.76	33.57	34.37	35.17	35.97	36.78	37.58	38.38
1.8	32.97	33.83	34.68	35.54	36.39	37.24	38.10	38.95	39.80	40.65
2.0	34.68	35.58	36.49	37.39	38.29	39.19	40.09	40.99	41.89	42.79
2.2	36.30	37.25	38.14	39.14	40.09	41.04	41.98	42.93	43.87	44.81
2.4	37.85	38.82	39.81	40.81	41.80	42.79	43.78	44.77	45.75	46.74
2.6	39.29	40.32	41.36	42.39	43.43	44.46	45.49	46.52	47.55	48.58
2.8	40.68	41.76	42.84	43.91	44.99	46.06	47.13	48.20	49.27	50.34
3.0	42.02	43.14	44.25	45.37	46.48	47.59	48.71	49.82	50.93	52.03
3.2	43.30	44.46	45.62	46.77	47.92	49.07	50.22	51.37	52.52	53.66
3.4	44.54	45.73	46.93	48.12	49.31	50.50	51.69	52.87	54.05	55.24
3.6	45.73	46.96	48.19	49.42	50.65	51.87	53.09	54.32	55.54	56.76
3.8	46.88	48.15	49.41	50.68	51.94	53.20	54.46	55.72	56.97	58.23
4.0	47.99	49.30	50.60	51.90	53.19	54.44	55.78	57.08	58.37	59.65
4.2	49.07	50.41	51.74	53.08	54.41	55.74	57.07	58.39	59.72	61.04
4.4	50.11	51.49	52.86	54.22	55.79	57.09	58.33	59.67	61.00	62.33
4.6	51.13	52.53	53.94	55.34	56.74	58.15	59.53	60.92	62.31	63.70
4.8	52.11	53.55	54.99	56.42	57.85	59.24	60.71	62.13	63.55	64.97
5.0	53.07	54.54	56.01	57.47	58.94	60.40	61.86	63.31	64.76	66.21
5.2	53.95	56.00	57.45	58.99	61.00	62.47	64.01	65.14	67.67	69.19
5.4	54.88	56.91	58.74	60.74	62.36	63.97	65.59	67.04	70.41	72.01
5.6	55.78	57.82	59.58	61.90	63.59	65.27	67.17	68.52	73.00	74.67
5.8	56.59	58.71	60.87	62.71	64.47	66.17	68.22	69.72	75.47	77.21
6.0	57.39	59.58	61.87	63.71	65.71	67.27	69.14	70.40	77.81	79.62
6.2	58.18	60.40	62.71	64.62	66.51	68.41	70.29	71.88	80.05	81.93
6.4	58.95	61.20	63.53	65.48	67.40	69.35	71.31	72.87	82.20	84.13
6.6	59.70	62.00	64.33	66.41	68.34	70.24	72.44	74.00	84.25	86.25
6.8	60.43	62.78	65.12	67.30	69.33	71.17	73.17	75.15	86.22	88.28
7.0	61.15	63.55	65.92	68.20	70.27	72.11	74.14	76.00	88.11	90.23
7.2	61.85	64.30	66.69	69.13	71.18	73.04	75.15	77.01	89.93	92.11
7.4	62.54	65.03	67.48	70.08	72.11	74.01	76.20	78.01	91.68	93.92
7.6	63.21	65.75	68.28	71.00	73.00	74.94	77.29	79.00	93.37	95.67
7.8	63.88	66.45	69.09	71.94	73.96	75.84	78.42	80.00	95.00	97.35
8.0	64.54	67.14	69.91	72.89	74.90	76.81	79.77	81.00	96.57	98.98
8.2	65.19	67.82	70.74	73.84	75.84	77.81	81.14	82.00	98.04	100.55
8.4	65.83	68.49	71.58	74.80	76.81	78.84	82.31	83.00	99.50	102.07
8.6	66.46	69.15	72.43	75.77	77.81	79.84	83.68	84.00	100.95	103.54
8.8	67.08	69.80	73.28	76.74	78.84	80.84	84.65	85.00	102.54	104.97
9.0	67.69	70.44	74.13	77.71	79.84	81.84	85.62	86.00	104.00	106.35
9.2	68.29	71.07	74.98	78.58	80.84	82.84	86.59	87.00	105.48	107.68
9.4	68.88	71.69	75.83	79.45	81.84	83.84	87.56	88.00	106.86	108.98
9.6	69.46	72.30	76.68	80.32	82.84	84.84	88.53	89.00	108.19	110.23
9.8	70.03	72.90	77.53	81.19	83.84	85.84	89.50	90.00	109.47	111.43
10.0	70.59	73.49	78.38	82.06	84.84	86.84	90.47	91.00	110.70	112.63
10.2	71.14	74.07	79.23	82.93	85.84	87.84	91.44	92.00	111.88	113.78
10.4	71.68	74.64	80.08	83.80	86.84	88.84	92.41	93.00	113.01	114.88
10.6	72.21	75.20	80.93	84.67	87.84	89.84	93.38	94.00	114.09	115.93
10.8	72.73	75.75	81.78	85.54	88.84	90.84	94.35	95.00	115.11	116.93
11.0	73.24	76.29	82.63	86.41	89.84	91.84	95.32	96.00	116.08	117.88
11.2	73.74	76.82	83.48	87.28	90.84	92.84	96.29	97.00	117.01	118.81
11.4	74.23	77.34	84.33	88.15	91.84	93.84	97.26	98.00	117.88	119.70
11.6	74.71	77.85	85.18	89.02	92.84	94.84	98.23	99.00	118.70	120.54
11.8	75.18	78.35	86.01	89.89	93.84	95.84	99.20	100.00	119.47	121.33
12.0	75.64	78.84	86.84	90.76	94.84	96.84	100.17	101.00	120.19	122.07
12.2	76.09	79.32	87.67	91.63	95.84	97.84	101.14	102.00	120.86	122.76
12.4	76.53	79.79	88.50	92.50	96.84	98.84	102.11	103.00	121.47	123.40
12.6	76.96	80.25	89.33	93.37	97.84	99.84	103.08	104.00	122.03	124.00
12.8	77.38	80.70	90.16	94.24	98.84	100.84	104.05	105.00	122.54	124.56
13.0	77.79	81.14	91.00	95.11	99.84	101.84	105.02	106.00	123.01	125.07
13.2	78.19	81.57	91.83	95.98	100.84	102.84	106.00	107.00	123.43	125.54
13.4	78.58	81.99	92.66	96.84	101.84	103.84	107.00	108.00	123.81	126.00
13.6	78.96	82.40	93.50	97.69	102.84	104.84	108.00	109.00	124.15	126.43
13.8	79.33	82.80	94.33	98.54	103.84	105.84	109.00	110.00	124.45	126.81
14.0	79.69	83.19	95.16	99.38	104.84	106.84	110.00	111.00	124.71	127.15
14.2	80.04	83.57	96.00	100.21	105.84	107.84	111.00	112.00	125.00	127.45
14.4	80.38	83.94	96.83	101.04	106.84	108.84	112.00	113.00	125.26	127.71
14.6	80.71	84.30	97.66	101.87	107.84	109.84	113.00	114.00	125.48	127.93
14.8	81.03	84.65	98.49	102.70	108.84	110.84	114.00	115.00	125.66	128.11
15.0	81.34	84.99	99.32	103.53	109.84	111.84	115.00	116.00	125.81	128.26
15.2	81.64	85.32	100.15	104.36	110.84	112.84	116.00	117.00	125.93	128.38
15.4	81.93	85.64	100.98	105.19	111.84	113.84	117.00	118.00	126.02	128.47
15.6	82.21	85.95	101.81	106.02	112.84	114.84	118.00	119.00	126.08	128.53
15.8	82.48	86.25	102.64	106.85	113.84	115.84	119.00	120.00	126.11	128.56
16.0	82.74	86.54	103.47	107.68	114.84	116.84	120.00	121.00	126.11	128.56
16.2	83.00	86.82	104.30	108.51	115.84	117.84	121.00	122.00	126.08	128.51
16.4	83.25	87.09	105.13	109.34	116.84	118.84	122.00	123.00	126.03	128.43
16.6	83.49	87.35	105.96	110.17	117.84	119.84	123.00	124.00	125.93	128.31
16.8	83.72	87.60	106.79	111.00	118.84	120.84	124.00	125.00	125.78	128.15
17.0	83.94	87.84	107.62	111.83	119.84	121.84	125.00	126.00	125.58	127.95
17.2	84.15	88.07	108.45	112.66	120.84	122.84	126.00	127.00	125.25	127.71
17.4	84.35	88.29	109.28	113.49	121.84	123.84	127.00	128.00	124.88	127.38
17.6	84.54	88.50	110.11	114.32	122.84	124.84	128.00	129.00	124.45	126.95
17.8	84.72	88.69	110.94	115.15	123.84	125.84	129.00	130.00	123.97	126.43
18.0	84.89	88.87	111.77	115.98	124.84	126.84	130.00	131.00	123.35	125.81
18.2	85.05	89.04	112.60	116.81	125.84	127.84	131.00	132.00	122.58	125.09
18.4	85.20	89.20	113.43	117.64	126.84	128.84	132.00	133.00	121.68	124.27
18.6	85.34	89.35	114.26	118.47	127.84	129.84	133.00	134.00	120.65	123.35
18.8	85.47	89.49	115.09	119.30	128.84	130.84	134.00	135.00	119.48	122.33
19.0	85.59	89.62	115.92	120.13	129.84	131.84	135.00	136.00	118.18	121.21
19.2	85.70	89.74	116.75	120.96	130.84	132.84	136.00	137.00	116.75	120.00
19.4	85.80	89.85	117.58	121.79	131.84	133.84	137.00	138.00	115.18	118.68
19.6	85.89	89.95	118.41	122.62	132.84	134.84	138.00	139.00	113.48	117.15
19.8	85.97	90.04	119.24	123.45	133.84	135.84	139.00	140.00	111.65	115.38
20.0	86.04	90.12	120.07	124.28	134.84	136.84	140.00	141.00	109.68	113.45
20.2	86.10	90.19	120.90	125.11	135.84	137.84	141.00	142.00	107.58	111.38
20.4	86.15	90.25	121.73	125.94	136.84	138.84	142.00	143.00	105.35	109.15
20.6	86.19	90.30	122.56	126.77	137.84	139.84	143.00	144.00	102.98	106.78
20.8	86.22	90.34	123.39	127.60	138.84	140.84	144.00	145.00	100.48	104.28
21.0	86.24	90.37	124.22	128.43						

2499 (SEC)	10.00	10.20	10.40	10.60	10.80	11.00	11.20	11.40	11.60	11.80
1.2	33.98	34.26	34.54	34.82	35.10	35.38	35.66	35.94	36.22	36.50
1.4	34.75	35.04	35.32	35.60	35.88	36.16	36.44	36.72	37.00	37.28
1.6	35.52	35.81	36.09	36.37	36.65	36.93	37.21	37.49	37.77	38.05
1.8	36.29	36.58	36.86	37.14	37.42	37.70	37.98	38.26	38.54	38.82
2.0	37.06	37.35	37.63	37.91	38.19	38.47	38.75	39.03	39.31	39.59
2.2	37.83	38.12	38.40	38.68	38.96	39.24	39.52	39.80	40.08	40.36
2.4	38.60	38.89	39.17	39.45	39.73	40.01	40.29	40.57	40.85	41.13
2.6	39.37	39.66	39.94	40.22	40.50	40.78	41.06	41.34	41.62	41.90
2.8	40.14	40.43	40.71	40.99	41.27	41.55	41.83	42.11	42.39	42.67
3.0	40.91	41.20	41.48	41.76	42.04	42.32	42.60	42.88	43.16	43.44
3.2	41.68	41.97	42.25	42.53	42.81	43.09	43.37	43.65	43.93	44.21
3.4	42.45	42.74	43.02	43.30	43.58	43.86	44.14	44.42	44.70	44.98
3.6	43.22	43.51	43.79	44.07	44.35	44.63	44.91	45.19	45.47	45.75
3.8	43.99	44.28	44.56	44.84	45.12	45.40	45.68	45.96	46.24	46.52
4.0	44.76	45.05	45.33	45.61	45.89	46.17	46.45	46.73	47.01	47.29
4.2	45.53	45.82	46.10	46.38	46.66	46.94	47.22	47.50	47.78	48.06
4.4	46.30	46.59	46.87	47.15	47.43	47.71	47.99	48.27	48.55	48.83
4.6	47.07	47.36	47.64	47.92	48.20	48.48	48.76	49.04	49.32	49.60
4.8	47.84	48.13	48.41	48.69	48.97	49.25	49.53	49.81	50.09	50.37
5.0	48.61	48.90	49.18	49.46	49.74	50.02	50.30	50.58	50.86	51.14
5.2	49.38	49.67	49.95	50.23	50.51	50.79	51.07	51.35	51.63	51.91
5.4	50.15	50.44	50.72	51.00	51.28	51.56	51.84	52.12	52.40	52.68
5.6	50.92	51.21	51.49	51.77	52.05	52.33	52.61	52.89	53.17	53.45
5.8	51.69	51.98	52.26	52.54	52.82	53.10	53.38	53.66	53.94	54.22
6.0	52.46	52.75	53.03	53.31	53.59	53.87	54.15	54.43	54.71	54.99
6.2	53.23	53.52	53.80	54.08	54.36	54.64	54.92	55.20	55.48	55.76
6.4	54.00	54.29	54.57	54.85	55.13	55.41	55.69	55.97	56.25	56.53
6.6	54.77	55.06	55.34	55.62	55.90	56.18	56.46	56.74	57.02	57.30
6.8	55.54	55.83	56.11	56.39	56.67	56.95	57.23	57.51	57.79	58.07
7.0	56.31	56.60	56.88	57.16	57.44	57.72	58.00	58.28	58.56	58.84
7.2	57.08	57.37	57.65	57.93	58.21	58.49	58.77	59.05	59.33	59.61
7.4	57.85	58.14	58.42	58.70	58.98	59.26	59.54	59.82	60.10	60.38
7.6	58.62	58.91	59.19	59.47	59.75	60.03	60.31	60.59	60.87	61.15
7.8	59.39	59.68	59.96	60.24	60.52	60.80	61.08	61.36	61.64	61.92
8.0	60.16	60.45	60.73	61.01	61.29	61.57	61.85	62.13	62.41	62.69
8.2	60.93	61.22	61.50	61.78	62.06	62.34	62.62	62.90	63.18	63.46
8.4	61.70	61.99	62.27	62.55	62.83	63.11	63.39	63.67	63.95	64.23
8.6	62.47	62.76	63.04	63.32	63.60	63.88	64.16	64.44	64.72	65.00
8.8	63.24	63.53	63.81	64.09	64.37	64.65	64.93	65.21	65.49	65.77
9.0	64.01	64.30	64.58	64.86	65.14	65.42	65.70	65.98	66.26	66.54
9.2	64.78	65.07	65.35	65.63	65.91	66.19	66.47	66.75	67.03	67.31
9.4	65.55	65.84	66.12	66.40	66.68	66.96	67.24	67.52	67.80	68.08
9.6	66.32	66.61	66.89	67.17	67.45	67.73	68.01	68.29	68.57	68.85
9.8	67.09	67.38	67.66	67.94	68.22	68.50	68.78	69.06	69.34	69.62
10.0	67.86	68.15	68.43	68.71	68.99	69.27	69.55	69.83	70.11	70.39
10.2	68.63	68.92	69.20	69.48	69.76	70.04	70.32	70.60	70.88	71.16
10.4	69.40	69.69	69.97	70.25	70.53	70.81	71.09	71.37	71.65	71.93
10.6	70.17	70.46	70.74	71.02	71.30	71.58	71.86	72.14	72.42	72.70
10.8	70.94	71.23	71.51	71.79	72.07	72.35	72.63	72.91	73.19	73.47
11.0	71.71	72.00	72.28	72.56	72.84	73.12	73.40	73.68	73.96	74.24
11.2	72.48	72.77	73.05	73.33	73.61	73.89	74.17	74.45	74.73	75.01
11.4	73.25	73.54	73.82	74.10	74.38	74.66	74.94	75.22	75.50	75.78
11.6	74.02	74.31	74.59	74.87	75.15	75.43	75.71	75.99	76.27	76.55
11.8	74.79	75.08	75.36	75.64	75.92	76.20	76.48	76.76	77.04	77.32
12.0	75.56	75.85	76.13	76.41	76.69	76.97	77.25	77.53	77.81	78.09
12.2	76.33	76.62	76.90	77.18	77.46	77.74	78.02	78.30	78.58	78.86
12.4	77.10	77.39	77.67	77.95	78.23	78.51	78.79	79.07	79.35	79.63
12.6	77.87	78.16	78.44	78.72	79.00	79.28	79.56	79.84	80.12	80.40
12.8	78.64	78.93	79.21	79.49	79.77	80.05	80.33	80.61	80.89	81.17
13.0	79.41	79.70	79.98	80.26	80.54	80.82	81.10	81.38	81.66	81.94
13.2	80.18	80.47	80.75	81.03	81.31	81.59	81.87	82.15	82.43	82.71
13.4	80.95	81.24	81.52	81.80	82.08	82.36	82.64	82.92	83.20	83.48
13.6	81.72	82.01	82.29	82.57	82.85	83.13	83.41	83.69	83.97	84.25
13.8	82.49	82.78	83.06	83.34	83.62	83.90	84.18	84.46	84.74	85.02
14.0	83.26	83.55	83.83	84.11	84.39	84.67	84.95	85.23	85.51	85.79
14.2	84.03	84.32	84.60	84.88	85.16	85.44	85.72	86.00	86.28	86.56
14.4	84.80	85.09	85.37	85.65	85.93	86.21	86.49	86.77	87.05	87.33
14.6	85.57	85.86	86.14	86.42	86.70	86.98	87.26	87.54	87.82	88.10
14.8	86.34	86.63	86.91	87.19	87.47	87.75	88.03	88.31	88.59	88.87
15.0	87.11	87.40	87.68	87.96	88.24	88.52	88.80	89.08	89.36	89.64
15.2	87.88	88.17	88.45	88.73	89.01	89.29	89.57	89.85	90.13	90.41
15.4	88.65	88.94	89.22	89.50	89.78	90.06	90.34	90.62	90.90	91.18
15.6	89.42	89.71	89.99	90.27	90.55	90.83	91.11	91.39	91.67	91.95
15.8	90.19	90.48	90.76	91.04	91.32	91.60	91.88	92.16	92.44	92.72
16.0	90.96	91.25	91.53	91.81	92.09	92.37	92.65	92.93	93.21	93.49
16.2	91.73	92.02	92.30	92.58	92.86	93.14	93.42	93.70	93.98	94.26
16.4	92.50	92.79	93.07	93.35	93.63	93.91	94.19	94.47	94.75	95.03
16.6	93.27	93.56	93.84	94.12	94.40	94.68	94.96	95.24	95.52	95.80
16.8	94.04	94.33	94.61	94.89	95.17	95.45	95.73	96.01	96.29	96.57
17.0	94.81	95.10	95.38	95.66	95.94	96.22	96.50	96.78	97.06	97.34
17.2	95.58	95.87	96.15	96.43	96.71	96.99	97.27	97.55	97.83	98.11
17.4	96.35	96.64	96.92	97.20	97.48	97.76	98.04	98.32	98.60	98.88
17.6	97.12	97.41	97.69	97.97	98.25	98.53	98.81	99.09	99.37	99.65
17.8	97.89	98.18	98.46	98.74	99.02	99.30	99.58	99.86	100.14	100.42
18.0	98.66	98.95	99.23	99.51	99.79	100.07	100.35	100.63	100.91	101.19
18.2	99.43	99.72	100.00	100.28	100.56	100.84	101.12	101.40	101.68	101.96
18.4	100.20	100.49	100.77	101.05	101.33	101.61	101.89	102.17	102.45	102.73
18.6	100.97	101.26	101.54	101.82	102.10	102.38	102.66	102.94	103.22	103.50
18.8	101.74	102.03	102.31	102.59	102.87	103.15	103.43	103.71	103.99	104.27
19.0	102.51	102.80	103.08	103.36	103.64	103.92	104.20	104.48	104.76	105.04
19.2	103.28	103.57	103.85	104.13	104.41	104.69	104.97	105.25	105.53	105.81
19.4	104.05	104.34	104.62	104.90	105.18	105.46	105.74	106.02	106.30	106.58
19.6	104.82	105.11	105.39	105.67	105.95	106.23	106.51	106.79	107.07	107.35
19.8	105.59	105.88	106.16	106.44	106.72	107.00	107.28	107.56	107.84	108.12
20.0	106.36	106.65	106.93	107.21	107.49	107.77	108.05	108.33	108.61	108.89
20.2	107.13	107.42	107.70	107.98	108.26	108.54	108.82	109.10	109.38	109.66
20.4	107.90	108.19	108.47	108.75	109.03	109.31	109.59	109.87	110.15	110.43
20.6	108.67	108.96	109.24	109.52	109.80	110.08	110.36	110.64	110.92	111.20
20.8	109.44	109.73	110.01	110.29	110.57	110.85	111.13	111.41	111.69	111.97
21.0	110.21	110.50	110.78	111.06	111.34	111.62	111.90	112.18	112.46	112.74
21.2	110.98	111.27	111.55	111.83	112.11	112.39	112.67	112.95	113.23	113.51
21.4	111.75	112.04	112.32	112.60	112.88	113.16	113.44	113.72	114.00	114.28
21.6	112.52	112.81	113.09	113.37	113.65	113.93	114.21	114.49	114.77	115.05
21.8	113.29	113.58	113.86	114.14	114.42	114.70	114.98	115.26	115.54	115.82
22.0	114.06	114.35	114.63	114.91	115.19	115.47	115.75	116.03	116.31	116.59
22.2	114.83	115.12	115.40	115.68	115.96	116.24				

12.00	12.20	12.40	12.60	12.80	13.00	13.20	13.40	13.60	13.80
1.0	16.79	17.07	17.35	17.63	17.91	18.19	18.47	18.75	19.03
2.0	23.72	24.11	24.51	24.91	25.30	25.70	26.10	26.49	26.89
3.0	29.00	29.51	29.99	30.48	30.97	31.45	31.94	32.43	32.91
4.0	33.48	34.04	34.61	35.17	35.73	36.29	36.85	37.42	37.98
5.0	37.40	38.03	38.66	39.29	39.91	40.54	41.17	41.80	42.43
6.0	40.93	41.62	42.31	43.00	43.69	44.38	45.07	45.76	46.45
7.0	44.17	44.91	45.66	46.41	47.15	47.90	48.65	49.39	50.13
8.0	47.17	47.97	48.77	49.57	50.37	51.16	51.96	52.76	53.55
9.0	50.00	50.86	51.70	52.53	53.38	54.22	55.07	55.92	56.76
10.0	52.64	53.54	54.43	55.32	56.22	57.11	58.00	58.90	59.79
11.0	55.16	56.10	57.04	57.98	58.91	59.85	60.79	61.72	62.66
12.0	57.56	58.54	59.52	60.50	61.48	62.46	63.44	64.42	65.40
13.0	59.85	60.88	61.90	62.92	63.94	64.96	65.98	67.00	68.02
14.0	62.05	63.12	64.18	65.24	66.30	67.36	68.42	69.48	70.54
15.0	64.17	65.27	66.37	67.47	68.57	69.67	70.76	71.86	72.95
16.0	66.21	67.35	68.49	69.62	70.76	71.89	73.03	74.16	75.30
17.0	68.19	69.36	70.53	71.70	72.88	74.05	75.22	76.39	77.56
18.0	70.13	71.31	72.51	73.72	74.93	76.13	77.34	78.54	79.75
19.0	72.05	73.19	74.43	75.68	76.92	78.15	79.39	80.63	81.87
20.0	73.95	75.02	76.30	77.57	78.85	80.12	81.39	82.66	83.94
21.0	75.80	76.91	78.11	79.42	80.73	82.04	83.34	84.64	85.95
22.0	77.61	78.74	79.88	81.22	82.56	83.91	85.25	86.59	87.95
23.0	79.40	80.54	81.68	83.07	84.34	85.71	87.08	88.45	89.81
24.0	81.18	82.34	83.50	84.89	86.28	87.68	89.08	90.48	91.88
25.0	82.96	84.14	85.33	86.76	88.19	89.62	91.05	92.49	93.92
26.0	84.75	85.97	87.20	88.67	90.14	91.61	93.08	94.55	96.02
27.0	86.55	87.81	89.10	90.62	92.14	93.63	95.12	96.59	98.06
28.0	88.36	89.66	91.00	92.58	94.16	95.67	97.19	98.70	100.21
29.0	90.18	91.52	92.91	94.50	96.09	97.65	99.20	100.74	102.28
30.0	92.01	93.40	94.84	96.39	98.09	99.71	101.31	102.91	104.51
31.0	93.85	95.29	96.78	98.38	100.00	101.68	103.14	104.76	106.51
32.0	95.70	97.19	98.73	100.32	102.00	103.56	104.92	106.31	108.21
33.0	97.56	99.10	100.69	102.31	103.99	105.41	106.81	108.11	110.11
34.0	99.43	101.02	102.66	104.35	105.93	107.32	108.76	110.11	112.21
35.0	101.31	102.95	104.64	106.44	107.59	109.02	110.51	111.99	114.51
36.0	103.20	104.89	106.64	108.64	109.65	111.47	112.30	113.53	116.77
37.0	105.10	106.84	108.64	110.89	111.88	113.46	114.56	115.94	119.32
38.0	107.01	108.80	110.64	113.21	113.90	115.70	117.09	118.68	122.18
39.0	108.93	110.77	112.66	115.61	115.80	118.01	119.59	121.38	125.52
40.0	110.86	112.75	114.69	118.11	116.72	120.73	122.73	124.75	128.52
41.0	112.80	114.79	116.83	120.71	118.42	123.63	126.73	128.42	132.52
42.0	114.75	116.84	118.94	123.41	121.94	126.50	129.72	131.87	137.02
43.0	116.70	118.84	121.04	126.21	124.48	129.53	132.73	135.27	141.82
44.0	118.66	120.90	123.16	129.11	127.48	132.33	135.73	137.87	146.82
45.0	120.63	122.92	125.28	132.01	130.43	135.76	139.09	141.44	152.02
46.0	122.60	124.94	127.34	135.01	133.63	139.25	142.51	145.16	157.52
47.0	124.58	127.03	129.52	138.11	136.93	143.65	146.29	149.31	163.32
48.0	126.57	129.12	131.66	141.31	140.33	145.86	149.29	152.61	169.52
49.0	128.57	131.23	133.84	144.61	143.63	148.09	152.41	155.93	176.12
50.0	130.58	133.36	136.11	148.01	147.09	150.31	155.67	159.29	183.12
51.0	132.60	135.51	138.44	151.51	150.65	152.57	159.07	162.81	190.52
52.0	134.63	137.68	140.84	155.11	154.48	154.87	162.59	166.49	198.32
53.0	136.67	139.87	143.31	158.81	158.41	157.25	165.41	170.31	206.52
54.0	138.72	142.08	145.84	162.61	162.48	160.67	168.31	174.21	215.12
55.0	140.78	144.31	148.41	166.61	167.75	164.07	171.21	178.21	224.12
56.0	142.85	146.56	151.04	170.71	171.28	168.31	174.21	182.31	233.52
57.0	144.93	148.84	153.74	175.01	175.99	172.09	177.21	186.41	243.32
58.0	147.02	151.14	156.51	179.41	180.93	175.51	180.31	190.51	253.52
59.0	149.12	153.46	159.34	183.91	186.09	179.09	183.41	194.61	264.12
60.0	151.23	155.81	162.21	188.51	191.48	182.48	186.51	198.71	275.12
61.0	153.35	158.18	165.14	193.21	197.11	186.61	190.61	202.81	286.52
62.0	155.48	160.58	168.11	198.11	202.99	190.81	194.71	206.91	298.32
63.0	157.62	163.01	171.14	203.11	209.11	195.11	198.81	211.01	310.52
64.0	159.77	165.47	174.21	208.31	215.48	199.48	202.91	215.11	323.12
65.0	161.93	167.96	177.34	213.61	222.01	203.91	207.01	219.21	336.12
66.0	164.10	170.48	180.51	218.91	228.71	208.41	211.11	223.31	349.52
67.0	166.28	173.03	183.74	224.31	235.61	213.01	215.21	227.41	363.32
68.0	168.47	175.61	187.01	230.81	242.71	217.91	219.31	231.51	377.52
69.0	170.67	178.21	190.34	237.41	250.01	222.91	223.41	235.61	392.12
70.0	172.88	180.84	193.74	244.11	257.51	228.01	227.51	239.71	407.12
71.0	175.10	183.51	197.19	250.91	265.21	233.21	231.61	243.81	422.52
72.0	177.33	186.21	200.69	258.41	273.11	238.51	235.71	247.91	438.32
73.0	179.57	188.94	204.24	266.01	281.21	243.91	239.81	252.01	454.52
74.0	181.82	191.71	207.84	273.71	289.51	249.41	243.91	256.11	471.12
75.0	184.08	194.51	211.49	281.51	298.01	255.01	248.01	260.21	488.12
76.0	186.35	197.34	215.29	289.41	306.71	260.71	252.11	264.31	505.52
77.0	188.63	200.21	219.14	297.41	315.61	266.51	256.21	268.41	523.32
78.0	190.92	203.11	223.04	305.51	324.71	272.41	260.31	272.51	541.52
79.0	193.22	206.04	227.01	313.71	334.01	278.41	264.41	276.61	560.12
80.0	195.53	209.01	231.04	322.11	343.51	284.51	268.51	280.71	579.12
81.0	197.85	212.01	235.14	330.71	353.21	290.71	272.61	284.81	598.52
82.0	200.18	215.04	239.29	339.51	363.11	297.01	276.71	288.91	618.32
83.0	202.52	218.11	243.49	348.51	373.21	303.41	280.81	293.01	638.52
84.0	204.87	221.21	247.74	357.71	383.51	310.01	284.91	297.11	659.12
85.0	207.23	224.34	252.04	367.11	394.01	316.71	289.01	301.21	680.12
86.0	209.60	227.51	256.39	376.61	404.71	323.51	293.11	305.31	701.52
87.0	211.98	230.71	260.79	387.31	415.61	330.41	297.21	309.41	723.32
88.0	214.37	234.04	265.24	398.21	426.71	337.41	301.31	313.51	745.52
89.0	216.77	237.41	269.74	409.31	438.01	344.51	305.41	317.61	768.12
90.0	219.18	240.84	274.29	420.61	449.51	351.71	309.51	321.71	791.12
91.0	221.60	244.31	278.89	432.11	461.21	359.01	313.61	325.81	814.52
92.0	224.03	247.84	283.54	443.81	473.11	366.41	317.71	329.91	838.32
93.0	226.47	251.41	288.24	455.71	485.21	373.91	321.81	334.01	862.52
94.0	228.92	255.04	292.99	467.81	497.51	381.51	325.91	338.11	887.12
95.0	231.38	258.71	297.79	480.11	510.01	389.21	329.91	342.21	912.12
96.0	233.85	262.41	302.64	492.61	522.71	397.01	334.01	346.31	937.52
97.0	236.33	266.14	307.54	505.31	535.61	404.91	338.11	350.41	963.32
98.0	238.82	270.01	312.49	518.21	548.71	412.91	342.21	354.51	989.52
99.0	241.32	273.91	317.49	531.31	562.01	421.01	346.31	358.61	1016.12
100.0	243.83	277.84	322.54	544.61	575.51	429.21	350.41	362.71	1043.12

ΔT (SEC)	14.00	14.20	14.40	14.60	14.80	15.00	15.20	15.40	15.60	15.80
1.2	19.59	19.87	20.15	20.43	20.71	20.99	21.27	21.55	21.83	22.11
1.4	21.69	22.08	22.48	22.87	23.27	23.67	24.06	24.46	24.86	25.25
1.6	33.88	34.37	34.86	35.34	35.83	36.32	36.80	37.29	37.77	38.26
1.8	39.10	39.65	40.22	40.79	41.36	41.93	42.50	43.07	43.64	44.21
2.0	43.69	44.32	44.94	45.57	46.20	46.83	47.46	48.08	48.71	49.34
2.2	47.82	48.51	49.20	49.89	50.58	51.27	51.96	52.64	53.33	54.02
2.4	51.62	52.37	53.11	53.85	54.59	55.33	56.07	56.81	57.55	58.29
2.6	55.19	55.94	56.74	57.54	58.33	59.13	59.92	60.72	61.52	62.31
2.8	58.45	59.30	60.14	60.99	61.83	62.68	63.52	64.37	65.21	66.06
3.0	61.57	62.46	63.36	64.25	65.14	66.03	66.92	67.81	68.70	69.59
3.2	64.55	65.47	66.40	67.34	68.28	69.21	70.15	71.08	72.01	72.95
3.4	67.36	68.33	69.31	70.29	71.27	72.24	73.22	74.20	75.18	76.15
3.6	70.06	71.08	72.10	73.11	74.13	75.15	76.17	77.18	78.20	79.22
3.8	72.65	73.71	74.77	75.83	76.89	77.94	79.00	80.05	81.11	82.17
4.0	75.15	76.25	77.34	78.44	79.53	80.63	81.72	82.82	83.91	85.00
4.2	77.56	78.69	79.83	80.96	82.09	83.23	84.36	85.49	86.61	87.74
4.4	79.89	81.06	82.23	83.40	84.57	85.73	86.90	88.06	89.23	90.39
4.6	82.15	83.36	84.56	85.76	86.96	88.15	89.35	90.54	91.74	92.93
4.8	84.35	85.64	86.92	88.20	89.48	90.76	92.04	93.32	94.60	95.88
5.0	86.48	87.75	89.02	90.28	91.55	92.82	94.09	95.36	96.62	97.89
5.2	88.55	89.85	91.15	92.45	93.75	95.05	96.35	97.65	98.95	100.25
5.4	90.57	91.94	93.34	94.74	96.14	97.54	98.94	100.34	101.74	103.14
5.6	92.54	93.91	95.27	96.63	98.00	99.37	100.74	102.10	103.47	104.84
5.8	94.47	95.86	97.26	98.65	100.04	101.43	102.83	104.22	105.61	107.00
6.0	96.35	97.77	99.20	100.62	102.04	103.45	104.86	106.27	107.67	109.08
6.2	100.87	102.37	103.87	105.36	106.85	108.34	109.83	111.32	112.81	114.30
6.4	105.18	106.74	108.31	109.87	111.43	112.99	114.55	116.11	117.67	119.23
6.6	109.28	110.91	112.54	114.17	115.80	117.43	119.06	120.69	122.31	123.93
6.8	113.20	114.90	116.60	118.29	119.98	121.67	123.37	125.06	126.74	128.43
7.0	116.97	118.73	120.49	122.24	124.00	125.75	127.51	129.26	131.01	132.76
7.2	120.59	122.41	124.23	126.05	127.87	129.69	131.51	133.33	135.15	136.97
7.4	124.09	125.97	127.84	129.72	131.59	133.47	135.34	137.21	139.08	140.95
7.6	127.46	129.39	131.33	133.26	135.19	137.12	139.05	140.98	142.91	144.83
7.8	130.72	132.71	134.70	136.69	138.68	140.67	142.66	144.65	146.64	148.63
8.0	133.88	135.92	137.97	140.01	142.06	144.10	146.14	148.18	150.21	152.25
8.2	136.94	139.04	141.14	143.24	145.33	147.43	149.52	151.61	153.70	155.79
8.4	139.91	142.06	144.22	146.37	148.52	150.67	152.82	154.97	157.12	159.27
8.6	142.80	145.01	147.21	149.41	151.61	153.81	156.01	158.21	160.41	162.61
8.8	145.61	147.87	150.12	152.38	154.63	156.88	159.12	161.37	163.61	165.85
9.0	148.34	150.65	152.96	155.26	157.56	159.85	162.14	164.43	166.71	169.00
9.2	151.01	153.37	155.72	158.08	160.43	162.77	165.11	167.45	169.79	172.13
9.4	153.61	156.02	158.42	160.82	163.22	165.62	168.01	170.41	172.81	175.21
9.6	156.15	158.60	161.05	163.50	165.95	168.39	170.83	173.27	175.71	178.14
9.8	158.62	161.13	163.64	166.14	168.64	171.14	173.64	176.14	178.64	181.14
10.0	161.04	163.59	166.14	168.68	171.22	173.76	176.29	178.82	181.35	183.87
10.2	163.41	166.00	168.58	171.16	173.74	176.32	178.89	181.46	184.03	186.60
10.4	165.72	168.36	171.00	173.63	176.26	178.89	181.52	184.14	186.77	189.39
10.6	167.98	170.67	173.35	176.03	178.71	181.39	184.07	186.75	189.43	192.11
10.8	170.20	172.93	175.66	178.38	181.10	183.82	186.54	189.26	191.98	194.69
11.0	172.37	175.14	177.91	180.68	183.45	186.21	188.98	191.74	194.50	197.26
11.2	174.49	177.31	180.13	182.94	185.74	188.55	191.35	194.14	196.93	199.72
11.4	176.57	179.44	182.30	185.15	188.00	190.85	193.69	196.53	199.37	202.21
11.6	178.62	181.52	184.42	187.32	190.21	193.10	195.98	198.86	201.74	204.61
11.8	180.65	183.57	186.51	189.44	192.37	195.29	198.21	201.13	204.05	206.97
12.0	182.65	185.59	188.56	191.54	194.52	197.49	200.46	203.42	206.38	209.33
12.2	184.63	187.64	190.68	193.71	196.74	199.77	202.79	205.81	208.83	211.85
12.4	186.59	189.64	192.71	195.76	198.81	201.86	204.90	207.94	210.98	214.02
12.6	188.53	191.62	194.72	197.81	200.90	203.99	207.07	210.15	213.24	216.32
12.8	190.45	193.58	196.71	199.84	202.97	206.10	209.22	212.34	215.46	218.58
13.0	192.35	195.52	198.69	201.86	205.03	208.20	211.37	214.54	217.71	220.88
13.2	194.23	197.44	200.65	203.86	207.07	210.28	213.49	216.70	219.91	223.12
13.4	196.09	199.34	202.59	205.84	209.09	212.34	215.59	218.84	222.09	225.34
13.6	197.93	201.22	204.51	207.80	211.09	214.38	217.67	220.96	224.25	227.54
13.8	199.75	203.08	206.41	209.74	213.07	216.40	219.73	223.06	226.39	229.72
14.0	201.55	204.92	208.29	211.66	215.03	218.40	221.77	225.14	228.51	231.88
14.2	203.33	206.74	210.15	213.56	216.97	220.38	223.79	227.20	230.61	234.02
14.4	205.09	208.54	211.99	215.44	218.89	222.34	225.79	229.24	232.69	236.14
14.6	206.83	210.32	213.81	217.30	220.79	224.28	227.77	231.26	234.75	238.24
14.8	208.55	212.08	215.61	219.14	222.67	226.16	229.65	233.14	236.63	240.12
15.0	210.25	213.82	217.39	220.96	224.53	228.10	231.67	235.24	238.81	242.38
15.2	211.93	215.54	219.15	222.76	226.37	229.98	233.59	237.20	240.81	244.42
15.4	213.59	217.24	220.89	224.54	228.19	231.84	235.49	239.14	242.79	246.44
15.6	215.23	218.92	222.61	226.30	229.99	233.68	237.37	241.06	244.75	248.44
15.8	216.85	220.58	224.31	228.04	231.77	235.50	239.23	242.96	246.69	250.42
16.0	218.45	222.22	225.99	229.76	233.53	237.30	241.07	244.84	248.61	252.38
16.2	220.03	223.84	227.65	231.46	235.27	239.08	242.89	246.70	250.51	254.32
16.4	221.59	225.44	229.29	233.14	236.99	240.84	244.69	248.54	252.39	256.24
16.6	223.13	227.02	230.91	234.80	238.69	242.58	246.47	250.36	254.25	258.14
16.8	224.65	228.58	232.51	236.44	240.37	244.30	248.23	252.16	256.09	260.02
17.0	226.15	230.12	234.09	238.06	242.03	246.00	250.00	254.00	258.00	262.00
17.2	227.63	231.64	235.65	239.66	243.67	247.68	251.69	255.70	259.71	263.72
17.4	229.09	233.14	237.19	241.24	245.29	249.34	253.39	257.44	261.49	265.54
17.6	230.53	234.62	238.71	242.80	246.89	250.98	255.07	259.16	263.25	267.34
17.8	231.95	236.08	240.21	244.34	248.47	252.60	256.73	260.86	264.99	269.12
18.0	233.35	237.52	241.69	245.86	249.99	254.12	258.25	262.38	266.51	270.64
18.2	234.73	238.94	243.15	247.36	251.57	255.78	259.99	264.20	268.41	272.62
18.4	236.09	240.34	244.59	248.84	253.09	257.34	261.59	265.84	270.09	274.34
18.6	237.43	241.72	246.01	250.29	254.47	258.65	262.83	267.01	271.19	275.37
18.8	238.75	243.08	247.41	251.64	255.82	260.00	264.18	268.36	272.54	276.72
19.0	240.05	244.36	248.71	253.06	257.31	261.56	265.81	270.06	274.31	278.56
19.2	241.33	245.68	250.07	254.46	258.65	262.84	267.03	271.22	275.41	279.60
19.4	2									

→199 (SEC)	16.00	16.20	16.40	16.60	16.80	17.00	17.20	17.40	17.60	17.80
→199 (IN)										
0.2	22.39	22.67	22.95	23.23	23.51	23.79	24.07	24.35	24.63	24.91
0.4	31.65	32.05	32.44	32.84	33.24	33.63	34.03	34.43	34.84	35.22
0.6	38.75	39.23	39.72	40.20	40.69	41.17	41.66	42.15	42.63	43.12
0.8	44.72	45.28	45.84	46.40	46.96	47.52	48.08	48.65	49.21	49.77
1.0	50.60	51.22	51.84	52.46	53.08	53.71	54.34	54.96	55.59	56.22
1.2	56.71	57.40	58.09	58.77	59.46	60.15	60.84	61.53	62.21	62.90
1.4	59.06	59.81	60.55	61.29	62.04	62.78	63.52	64.27	65.01	65.75
1.6	63.11	63.90	64.70	65.49	66.29	67.08	67.88	68.67	69.47	70.26
1.8	66.90	67.74	68.58	69.43	70.28	71.12	71.97	72.81	73.65	74.50
2.0	70.48	71.37	72.26	73.15	74.04	74.93	75.82	76.71	77.60	78.50
2.2	73.88	74.82	75.75	76.69	77.62	78.55	79.49	80.42	81.35	82.29
2.4	77.13	78.10	79.08	80.06	81.03	82.01	82.98	83.96	84.94	85.91
2.6	80.24	81.25	82.27	83.29	84.30	85.32	86.33	87.35	88.37	89.38
2.8	83.22	84.28	85.33	86.39	87.44	88.49	89.54	90.59	91.64	92.69
3.0	86.10	87.19	88.28	89.38	90.47	91.56	92.65	93.74	94.83	95.93
3.2	88.87	90.00	91.13	92.26	93.39	94.52	95.65	96.78	97.91	99.03
3.4	91.56	92.72	93.89	95.05	96.22	97.38	98.55	99.71	100.87	102.04
3.6	94.16	95.35	96.56	97.76	98.96	100.16	101.36	102.56	103.75	104.95
3.8	96.69	97.93	99.16	100.39	101.62	102.85	104.09	105.32	106.55	107.77
4.0	99.15	100.42	101.69	102.95	104.21	105.48	106.74	108.01	109.27	110.53
4.2	101.55	102.85	104.14	105.44	106.74	108.03	109.33	110.62	111.91	113.21
4.4	103.88	105.21	106.54	107.87	109.20	110.52	111.85	113.17	114.50	115.83
4.6	106.16	107.52	108.88	110.24	111.60	112.95	114.31	115.67	117.03	118.38
4.8	108.39	109.78	111.16	112.55	113.94	115.33	116.72	118.11	119.49	120.88
5.0	110.56	111.98	113.40	114.82	116.24	117.65	119.07	120.48	121.89	123.32
5.5	115.81	117.30	118.79	120.27	121.76	123.25	124.74	126.22	127.71	129.20
6.0	120.79	122.35	123.91	125.47	127.02	128.58	130.14	131.70	133.26	134.80
6.5	125.76	127.38	129.01	130.63	132.25	133.87	135.49	137.11	138.73	140.35
7.0	130.12	131.81	133.50	135.18	136.87	138.55	140.24	141.92	143.60	145.28
7.5	134.51	136.26	138.01	139.75	141.50	143.25	145.00	146.74	148.48	150.22
8.0	138.74	140.54	142.35	144.16	145.96	147.77	149.57	151.38	153.18	154.98
8.5	142.81	144.68	146.55	148.41	150.27	152.14	154.00	155.86	157.72	159.58
9.0	146.75	148.68	150.60	152.52	154.44	156.35	158.26	160.17	162.07	163.98
9.5	150.58	152.55	154.51	156.47	158.43	160.39	162.34	164.29	166.24	168.19
10.0	154.28	156.33	158.34	160.37	162.40	164.43	166.45	168.48	170.50	172.53
10.5	157.87	159.96	162.04	164.13	166.21	168.29	170.37	172.44	174.52	176.59
11.0	161.37	163.51	165.64	167.78	169.91	172.04	174.17	176.30	178.43	180.55
11.5	164.77	166.95	169.13	171.31	173.48	175.65	177.82	180.00	182.17	184.34
12.0	168.07	170.33	172.56	174.80	177.03	179.26	181.49	183.72	185.95	188.18
12.5	171.32	173.61	175.89	178.18	180.46	182.74	185.02	187.29	189.57	191.84
13.0	174.48	176.81	179.15	181.48	183.81	186.13	188.46	190.78	193.11	195.43
13.5	177.56	179.94	182.32	184.70	187.08	189.45	191.83	194.21	196.57	198.93
14.0	180.57	183.00	185.43	187.85	190.27	192.70	195.12	197.54	199.96	202.38
14.5	183.52	185.99	188.46	190.93	193.40	195.87	198.34	200.81	203.28	205.72
15.0	186.40	188.92	191.44	193.95	196.47	198.98	201.49	204.00	206.51	209.01
15.5	189.22	191.78	194.35	196.91	199.47	202.02	204.58	207.13	209.68	212.23
16.0	191.94	194.59	197.26	199.88	202.49	205.09	207.69	210.28	212.87	215.46
16.5	194.60	197.34	200.00	202.64	205.28	207.91	210.53	213.15	215.77	218.39
17.0	197.35	200.08	202.74	205.43	208.12	210.81	213.49	216.17	218.85	221.53
17.5	199.95	202.69	205.43	208.16	210.89	213.62	216.35	219.07	221.79	224.51
18.0	202.51	205.29	208.07	210.85	213.62	216.39	219.16	221.92	224.69	227.45
18.5	205.02	207.85	210.66	213.48	216.29	219.11	221.92	224.72	227.53	230.33
19.0	207.48	210.35	213.21	216.07	218.92	221.77	224.61	227.47	230.32	233.16
19.5	209.94	212.81	215.71	218.61	221.51	224.40	227.29	230.19	233.06	235.95
20.0	212.26	215.23	218.17	221.11	224.05	226.99	229.93	232.84	235.76	238.69
21.0	216.42	219.45	222.47	225.49	228.51	231.52	234.53	237.54	240.54	243.55
22.0	221.40	224.51	227.63	230.71	233.80	236.88	239.96	243.04	246.12	249.20
23.0	226.25	229.39	232.51	235.59	238.68	241.76	244.84	247.92	251.00	254.08
24.0	230.99	234.21	237.42	240.57	243.72	246.87	250.01	253.15	256.29	259.43
25.0	235.64	238.97	242.17	245.33	248.49	251.65	254.80	257.95	261.10	264.25
26.0	240.00	243.41	246.81	250.21	253.61	257.01	260.41	263.81	267.21	270.61
27.0	244.34	247.85	251.25	254.65	258.05	261.45	264.85	268.25	271.65	275.05
28.0	248.58	252.14	255.60	259.06	262.52	265.98	269.44	272.90	276.36	279.82
29.0	252.72	256.33	259.84	263.35	266.86	270.37	273.88	277.39	280.90	284.41
30.0	256.76	260.46	264.16	267.86	271.56	275.26	278.96	282.66	286.36	290.06
32.0	269.55	273.39	277.22	281.05	284.88	288.71	292.54	296.37	300.20	304.03
34.0	280.00	283.98	287.95	291.91	295.88	299.84	303.80	307.76	311.72	315.68
36.0	287.14	291.24	295.34	299.44	303.54	307.64	311.74	315.84	319.94	324.04
38.0	292.97	297.17	301.37	305.57	309.77	313.97	318.17	322.37	326.57	330.77
40.0	298.53	302.83	307.13	311.43	315.73	320.03	324.33	328.63	332.93	337.23
42.0	303.89	308.29	312.59	316.89	321.19	325.49	329.79	334.09	338.39	342.69
44.0	309.02	313.42	317.82	322.22	326.62	331.02	335.42	339.82	344.22	348.62
46.0	313.94	318.44	322.94	327.44	331.94	336.44	340.94	345.44	349.94	354.44
48.0	318.75	323.35	327.95	332.55	337.15	341.75	346.35	350.95	355.55	360.15
50.0	323.44	328.14	332.84	337.54	342.24	346.94	351.64	356.34	361.04	365.74
55.0	339.94	344.74	349.54	354.34	359.14	363.94	368.74	373.54	378.34	383.14
60.0	347.00	351.85	356.70	361.55	366.40	371.25	376.10	380.95	385.80	390.65
65.0	353.27	358.17	363.07	367.97	372.87	377.77	382.67	387.57	392.47	397.37
70.0	358.81	363.75	368.69	373.63	378.57	383.51	388.45	393.39	398.33	403.27
75.0	364.19	369.17	374.15	379.13	384.11	389.09	394.07	399.05	404.03	409.01
80.0	369.59	374.62	379.65	384.68	389.71	394.74	399.77	404.80	409.83	414.86
85.0	374.99	379.96	384.93	389.90	394.87	399.84	404.81	409.78	414.75	419.72
90.0	380.34	385.35	390.36	395.37	400.38	405.39	410.40	415.41	420.42	425.43
95.0	385.64	390.69	395.74	400.79	405.84	410.89	415.94	420.99	426.04	431.09
100.0	390.97	396.05	401.13	406.21	411.29	416.37	421.45	426.53	431.61	436.69
110.0	397.21	402.31	407.41	412.51	417.61	422.71	427.81	432.91	438.01	443.11
120.0	403.10	408.22	413.34	418.46	423.58	428.70	433.82	438.94	444.06	449.18
130.0	408.75	413.90	419.05	424.20	429.35	434.50	439.65	444.80	450.00	455.15
140.0	414.29	419.46	424.63	429.80	434.97	440.14	445.31	450.48	455.65	460.82
150.0	419.71	424.91	430.11	435.31	440.51	445.71	450.91	456.11	461.31	466.51
160.0	424.94	430.17	435.40	440.63	445.86	451.09	456.32	461.55	466.78	472.01
170.0	429.99	435.25	440.51	445.77	451.03	456.29	461.55	466.81	472.07	477.33
180.0	434.89	440.18	445.47	450.76	456.05	461.34	466.63	471.92	477.21	482.50
190.0	439.59	444.91	450.23	455.55	460.87	466.19	471.51	476.83	482.15	487.47
200.0	444.11	449.45	454.79	460.13	465.47	470.81	476.15	481.49	486.83	492.17
220.0	449.78	455.15	460.52	465.89	471.26	476.63	482.00	487.37	492.74	498.11
240.0	454.14	459.54	464.94	470.34	475.74	481.14	486.54	491.94	497.34	502.74
260.0	458.33	463.77	469.21	474.65	480.09	485.53	490.97	496.41	501.85	507.29
280.0	462.43	467.91	473.39	478.87	484.35	489.83	495.31	500.79	506.27	511.75
300.0	466.44	471.96	477.48	483.00	48					

2000 (SEC)	18.00	18.20	18.40	18.60	18.80	19.00	19.20	19.40	19.60	19.80
2	25.19	25.87	25.75	25.03	25.31	26.29	26.07	27.15	27.43	27.71
4	33.82	36.01	36.41	36.81	37.40	37.61	37.99	38.39	38.79	39.18
6	43.60	44.09	44.57	45.06	45.25	46.03	46.52	47.01	47.49	47.97
8	50.33	50.89	51.45	52.01	52.77	53.15	53.59	54.26	54.82	55.38
1.0	56.25	56.87	57.50	58.13	58.76	59.34	60.01	60.64	61.27	61.89
1.2	61.59	62.46	62.97	63.65	64.34	65.03	65.72	66.43	67.09	67.78
1.4	66.90	67.24	67.98	68.73	69.47	70.21	70.96	71.73	72.44	73.18
1.6	71.06	71.85	72.65	73.44	74.23	75.03	75.83	76.62	77.42	78.21
1.8	75.38	76.18	77.03	77.87	78.71	79.59	80.50	81.24	82.08	82.93
2.0	79.58	80.27	81.16	82.05	82.94	83.83	84.72	85.61	86.49	87.38
2.2	83.22	84.15	85.07	86.02	86.95	87.87	88.92	89.75	90.88	91.62
2.4	86.89	87.86	88.88	89.81	90.79	91.75	92.73	93.71	94.88	95.66
2.6	90.49	91.41	92.43	93.44	94.46	95.47	96.49	97.53	98.52	99.53
2.8	93.77	94.42	95.88	95.93	97.78	99.04	100.09	101.15	102.20	103.25
3.0	97.02	98.11	99.20	100.29	101.37	102.44	103.57	104.66	105.75	106.84
3.2	100.16	101.29	102.42	103.54	104.67	105.80	106.92	108.05	109.18	110.30
3.4	103.20	104.36	105.53	106.69	107.85	109.01	110.18	111.34	112.50	113.66
3.6	106.15	107.35	108.54	109.74	110.94	112.13	113.33	114.52	115.72	116.92
3.8	109.01	110.24	111.47	112.70	113.93	115.16	116.39	117.62	118.85	120.08
4.0	111.90	113.06	114.32	115.58	116.79	118.11	119.37	120.63	121.89	123.16
4.2	114.51	115.80	117.11	118.39	119.74	121.07	122.47	123.97	124.96	126.15
4.4	117.16	118.68	119.81	121.13	122.46	123.74	125.11	126.55	127.45	128.88
4.6	119.74	121.09	122.45	123.81	125.16	126.52	127.97	129.42	130.58	131.93
4.8	122.45	123.85	125.03	126.42	127.70	129.17	130.57	131.76	133.34	134.72
5.0	124.73	126.15	127.56	129.98	130.74	131.80	133.22	134.53	136.04	137.45
5.5	130.68	132.17	133.65	135.14	136.52	138.11	139.57	141.07	142.56	144.04
6.0	136.35	137.90	139.40	140.91	142.41	144.11	145.56	147.41	148.76	150.31
6.5	141.77	143.39	145.00	146.62	148.24	149.85	151.47	153.09	154.70	156.32
7.0	146.97	148.65	150.33	152.01	153.69	155.37	157.04	158.72	160.40	162.08
7.5	151.76	153.71	155.65	157.19	158.73	160.67	162.61	164.14	165.88	167.62
8.0	156.73	158.78	160.33	162.18	163.78	165.74	167.38	169.27	171.17	172.97
8.5	161.84	163.30	164.15	167.01	168.76	170.72	172.57	174.43	176.28	178.14
9.0	165.74	167.86	169.77	171.68	173.79	175.50	177.61	179.72	181.83	183.94
9.5	170.31	172.28	174.24	176.21	178.18	180.14	182.11	184.07	186.04	187.99
10.0	174.55	176.57	178.57	180.61	182.63	184.65	186.56	188.58	190.70	192.71
10.5	178.67	180.74	182.81	184.89	186.78	189.03	191.10	193.16	195.23	197.30
11.0	182.68	184.80	186.93	189.05	191.17	193.29	195.41	197.53	199.65	201.76
11.5	186.57	188.76	190.93	193.11	195.28	197.45	199.62	201.78	203.95	206.12
12.0	190.31	192.62	194.88	197.06	199.24	201.50	203.72	205.94	208.15	210.37
12.5	194.12	196.39	198.66	200.93	203.19	205.45	207.73	209.99	212.25	214.52
13.0	197.75	200.07	202.38	204.70	207.02	209.35	211.68	213.95	216.26	218.57
13.5	201.33	203.67	205.95	208.39	210.79	213.11	215.47	217.83	220.19	222.54
14.0	204.78	207.17	209.46	211.80	214.11	216.42	218.72	221.02	223.32	225.63
14.5	208.18	210.63	212.99	215.34	217.79	220.14	222.59	224.94	227.79	230.23
15.0	211.51	214.01	216.51	219.01	221.50	224.00	226.49	228.98	231.47	233.96
15.5	214.77	217.32	219.86	222.40	224.94	227.49	230.02	232.55	235.08	237.62
16.0	217.98	220.56	223.15	225.73	228.32	230.90	233.48	236.05	238.63	241.21
16.5	221.12	223.75	226.38	229.00	231.63	234.25	236.87	239.49	242.11	244.73
17.0	224.20	226.87	229.54	232.21	234.88	237.55	240.21	242.87	245.53	248.19
17.5	227.23	229.94	232.66	235.37	238.08	240.79	243.49	246.19	248.89	251.59
18.0	230.20	232.96	235.71	238.46	241.21	243.96	246.71	249.46	252.19	254.95
18.5	233.13	235.92	238.72	241.51	244.30	247.09	249.87	252.66	255.44	258.22
19.0	236.03	238.88	241.67	244.50	247.33	250.16	252.99	255.81	258.64	261.46
19.5	238.83	241.70	244.58	247.45	250.32	253.19	256.05	258.92	261.78	264.64
20.0	241.61	244.52	247.44	250.35	253.26	256.16	259.07	261.97	264.87	267.77
21.0	247.03	250.03	253.02	256.01	259.00	261.94	264.98	267.94	270.92	273.90
22.0	252.30	255.37	258.44	261.50	264.56	267.62	270.68	273.74	276.79	279.84
23.0	257.40	260.55	263.69	266.83	269.97	273.11	276.24	279.37	282.49	285.62
24.0	262.37	265.59	268.80	272.02	275.23	278.44	281.64	284.84	288.04	291.24
25.0	267.19	270.48	273.77	277.06	280.34	283.62	286.90	290.17	293.44	296.71
26.0	271.88	275.25	278.61	281.97	285.32	288.67	292.02	295.36	298.70	302.04
27.0	276.45	279.84	283.32	286.75	290.17	293.59	297.01	300.43	303.84	307.26
28.0	280.90	284.41	287.91	291.41	294.90	298.39	301.88	305.36	308.84	312.31
29.0	285.24	288.82	292.39	295.95	299.52	303.07	306.63	310.18	313.72	317.27
30.0	289.48	293.12	296.76	300.39	304.02	307.65	311.27	314.89	318.50	322.11
32.0	297.64	301.42	305.19	308.96	312.72	316.48	320.23	323.98	327.72	331.46
34.0	305.43	309.33	313.24	317.14	321.03	324.92	328.80	332.68	336.56	340.42
36.0	312.88	316.92	320.95	324.97	328.97	333.01	337.01	341.02	345.01	349.01
38.0	320.01	324.17	328.33	332.48	336.62	340.75	344.89	349.02	353.14	357.26
40.0	326.84	331.12	335.40	339.68	343.94	348.23	352.48	356.71	360.93	365.14
42.0	333.39	337.80	342.20	346.59	350.98	355.36	359.74	364.13	368.51	372.88
44.0	339.68	344.21	348.73	353.25	357.75	362.25	366.74	371.23	375.71	380.18
46.0	345.73	350.37	355.01	359.65	364.27	368.89	373.49	378.13	382.69	387.28
48.0	351.54	356.31	361.08	365.81	370.55	375.28	380.01	384.72	389.43	394.13
50.0	357.14	362.02	366.89	371.75	376.51	381.25	386.09	390.91	395.74	400.75
55.0	370.24	375.41	380.56	385.70	390.84	395.96	401.07	406.18	411.28	416.36
60.0	382.23	387.64	393.07	398.48	403.89	409.29	414.67	420.04	425.41	430.76
65.0	393.13	398.84	404.51	410.22	415.93	421.62	427.31	432.99	438.66	444.37
70.0	403.15	409.15	415.07	421.02	426.95	432.85	438.77	444.66	450.54	456.40
75.0	412.33	418.55	424.76	430.96	437.14	443.31	449.47	455.61	461.75	467.88
80.0	420.78	427.22	433.69	440.13	446.55	452.97	459.37	465.76	472.13	478.49
85.0	428.46	435.17	441.89	448.59	455.28	461.97	468.55	475.13	481.71	488.38
90.0	435.94	442.50	449.45	456.37	463.28	470.17	477.05	483.91	490.76	497.59
95.0	442.05	449.23	456.40	463.56	470.70	477.83	484.93	492.02	499.10	506.16
100.0	447.99	455.40	462.80	470.19	477.55	484.91	492.24	499.55	506.85	514.14
110.0	458.42	466.27	474.10	481.92	489.72	497.51	505.28	513.05	520.77	528.49
120.0	467.13	475.37	483.63	491.86	500.08	508.29	516.46	524.63	532.79	540.92
130.0	474.38	483.01	491.64	500.25	508.85	517.44	526.02	534.59	543.15	551.66
140.0	481.07	489.35	497.63	505.90	514.22	522.52	530.81	539.11	547.40	555.69
150.0	487.30	496.00	504.71	513.41	522.11	530.81	539.51	548.21	556.91	565.61
160.0	493.36	502.53	511.72	5						

20.00	20.50	21.00	21.50	22.00	22.50	23.00	23.50	24.00	24.50
2.2	28.00	28.70	29.40	30.10	30.80	31.50	32.20	32.90	33.60
4.4	39.58	40.57	41.56	42.55	43.54	44.53	45.52	46.51	47.50
6.6	48.86	49.67	50.48	51.29	52.10	52.91	53.72	54.53	55.34
8.8	55.94	57.38	58.74	59.15	61.75	62.95	64.35	65.75	67.15
1.0	64.92	64.09	65.66	67.23	68.79	70.36	71.93	73.50	75.06
1.2	68.47	70.18	71.94	73.62	75.24	77.04	78.78	80.43	82.11
1.4	73.93	75.78	77.64	79.50	81.35	83.21	85.07	86.92	88.78
1.6	79.01	80.99	82.98	84.96	86.95	88.93	90.92	92.91	94.89
1.8	85.77	85.88	87.91	89.09	92.20	94.30	96.41	98.51	100.62
2.0	88.27	90.49	92.71	94.94	97.16	99.37	101.50	103.62	105.72
2.2	92.55	94.88	97.21	99.54	101.87	104.20	106.53	108.86	111.19
2.4	96.83	99.07	101.50	103.94	106.37	108.80	111.24	113.67	116.10
2.6	100.94	103.08	105.21	107.34	109.47	111.60	113.73	115.86	118.00
2.8	104.30	106.49	108.57	110.65	112.73	114.81	116.89	118.97	121.05
3.0	107.43	110.65	113.38	116.10	118.55	121.00	123.45	125.90	128.35
3.2	111.43	114.25	117.06	119.88	122.69	125.51	128.32	131.13	133.94
3.4	114.82	117.73	120.63	123.53	126.43	129.33	132.23	135.13	138.03
3.6	118.11	121.10	124.09	127.09	130.06	133.05	136.05	139.04	142.04
3.8	121.31	124.38	127.45	130.52	133.59	136.67	139.74	142.81	145.89
4.0	124.42	127.57	130.72	133.87	137.02	140.17	143.32	146.46	149.61
4.2	127.45	130.68	133.91	137.14	140.36	143.59	146.82	150.04	153.27
4.4	130.40	133.71	137.02	140.32	143.63	146.94	150.25	153.56	156.87
4.6	133.27	136.67	140.05	143.43	146.81	150.19	153.57	156.95	160.33
4.8	136.11	139.56	143.02	146.48	149.95	153.42	156.88	160.33	163.79
5.0	138.97	142.40	145.93	149.45	152.98	156.50	160.03	163.55	167.07
5.5	145.52	149.23	152.93	156.63	160.33	164.03	167.73	171.43	175.12
6.0	151.86	155.74	159.61	163.48	167.35	171.21	175.08	178.94	182.80
6.5	157.93	161.97	166.00	170.03	174.06	178.09	182.11	186.14	190.17
7.0	163.75	167.94	172.13	176.32	180.50	184.69	188.88	193.06	197.25
7.5	169.36	173.70	178.04	182.37	186.71	191.04	195.37	199.71	204.05
8.0	174.76	179.25	183.73	188.22	192.69	197.17	201.65	206.12	210.59
8.5	179.99	184.62	189.24	193.87	198.49	203.10	207.72	212.34	216.95
9.0	185.05	189.81	194.58	199.34	204.10	208.85	213.60	218.35	223.10
9.5	189.96	194.86	199.76	204.65	209.54	214.43	219.32	224.21	229.10
10.0	194.72	199.76	204.79	209.81	214.83	219.85	224.87	229.89	234.90
10.5	199.36	204.52	209.68	214.83	219.98	225.11	230.27	235.41	240.55
11.0	203.88	209.17	214.45	219.73	224.97	230.21	235.45	240.69	245.93
11.5	208.28	213.69	219.10	224.50	229.79	235.29	240.50	245.71	250.93
12.0	212.58	218.11	223.86	229.16	234.88	240.19	245.70	251.21	256.70
12.5	216.78	222.43	228.07	233.71	239.35	244.99	250.50	256.01	261.52
13.0	220.88	226.65	232.41	238.16	243.91	249.65	255.40	261.14	266.89
13.5	224.88	230.78	236.65	242.52	248.38	254.24	260.10	265.95	271.70
14.0	228.82	234.82	240.81	246.79	252.76	258.62	264.48	270.34	276.03
14.5	232.67	238.78	244.88	250.97	257.05	263.13	269.21	275.29	281.04
15.0	236.45	242.65	248.87	255.07	261.26	267.45	273.63	279.81	285.98
15.5	240.15	246.47	252.78	259.09	265.39	271.69	277.98	284.26	290.54
16.0	243.78	250.21	256.63	263.04	269.45	275.85	282.24	288.52	295.01
16.5	247.35	253.88	260.40	266.92	273.33	279.93	286.43	292.72	299.89
17.0	250.85	257.48	264.11	270.73	277.35	283.95	290.55	297.14	303.31
17.5	254.27	261.03	267.76	274.48	281.19	287.93	294.50	301.23	307.94
18.0	257.62	264.51	271.34	278.17	284.48	291.79	298.38	305.33	312.16
18.5	261.00	267.94	274.87	281.79	288.10	295.61	302.51	309.49	316.42
19.0	264.27	271.51	278.38	285.36	292.37	298.75	305.37	313.35	320.31
19.5	267.50	274.63	281.70	288.87	295.98	303.04	310.17	317.29	324.33
20.0	270.67	277.70	285.12	292.33	299.74	305.75	313.42	321.01	328.66
21.0	276.87	284.29	291.76	299.10	306.49	313.64	321.25	329.31	335.41
22.0	282.89	290.50	298.14	305.69	313.45	321.82	329.32	337.92	343.99
23.0	288.74	296.53	304.33	312.04	319.98	328.54	336.32	344.80	350.27
24.0	294.43	302.41	310.37	318.31	326.75	334.77	342.08	349.93	357.69
25.0	299.98	308.13	316.26	324.39	332.49	340.57	348.75	356.91	364.87
26.0	305.34	313.70	322.01	330.31	338.79	346.85	354.11	363.56	371.51
27.0	310.65	319.14	327.63	335.07	344.74	352.99	361.60	370.21	378.21
28.0	315.77	324.46	333.11	341.74	350.36	358.96	367.52	376.12	384.08
29.0	320.71	329.68	338.46	347.76	356.81	364.81	373.56	382.29	390.12
30.0	325.51	334.71	343.69	352.66	363.00	370.53	379.44	388.34	396.09
32.0	335.20	344.55	353.83	363.11	372.37	381.62	390.45	400.16	410.44
34.0	344.46	353.93	363.54	372.14	381.11	390.27	400.14	411.32	422.02
36.0	353.00	362.95	372.88	382.78	391.66	401.21	411.35	422.17	433.99
38.0	361.37	371.62	381.85	392.05	402.43	412.34	422.52	432.83	445.72
40.0	369.42	379.97	390.56	401.00	411.46	421.91	432.33	442.73	453.11
42.0	377.17	388.02	398.84	409.62	420.38	431.11	441.82	452.50	463.15
44.0	384.58	395.79	406.97	417.96	429.00	440.01	450.79	461.76	473.79
46.0	391.86	403.28	414.67	425.82	437.24	448.82	459.58	471.11	482.32
48.0	398.82	410.53	422.19	433.82	445.41	456.97	468.50	480.03	491.47
50.0	405.56	417.54	429.48	441.38	453.24	465.07	476.96	488.63	499.36
55.0	421.44	434.10	446.71	459.28	471.80	484.28	496.73	509.14	521.52
60.0	436.10	449.42	462.69	475.90	488.26	500.14	512.33	524.50	536.76
65.0	449.67	463.63	477.53	491.38	503.17	515.91	528.50	541.05	553.62
70.0	462.26	476.85	491.37	505.69	517.19	529.84	542.37	554.71	567.01
75.0	473.79	489.16	504.29	518.35	530.25	543.24	556.07	568.71	581.46
80.0	484.43	500.64	516.37	532.02	544.00	557.12	570.51	583.76	596.94
85.0	494.27	511.35	527.67	545.71	557.96	571.19	584.77	598.12	611.25
90.0	504.40	521.36	538.27	559.07	571.99	585.83	599.00	612.31	625.95
95.0	513.20	530.75	548.26	572.56	586.73	600.05	613.14	626.11	639.97
100.0	521.41	539.51	557.31	585.24	597.74	610.99	623.53	636.41	653.71
110.0	536.39	555.38	574.46	593.44	611.32	625.11	638.91	653.45	670.42
120.0	549.04	569.46	589.39	609.40	628.31	644.13	658.34	674.47	689.82
130.0	560.16	581.40	602.52	623.54	644.45	665.25	680.96	697.07	711.84
140.0	569.33	592.00	614.08	635.05	657.42	679.61	701.35	717.51	733.73
150.0	576.16	611.23	624.22	647.12	669.42	692.61	715.20	731.61	748.06
160.0	582.33	609.25	633.11	658.89	680.97	704.15	727.55	744.30	759.84
170.0	591.47	616.20	640.88	669.49	690.93	713.47	738.82	755.17	771.21
180.0	598.73	622.40	647.65	679.06	698.40	723.67	748.97	765.44	780.81
190.0	605.43	627.37	653.94	687.69	707.19	734.25	759.33	775.72	789.97
200.0	609.01	631.80	659.64	695.49	714.32	743.12	768.89	784.52	798.11
220.0	610.93	636.82	666.84	699.45	723.10	751.26	779.01	797.52	803.56
240.0	613.11	643.90	674.94	702.07	731.39	760.11	789.11	807.35	810.25
260.0	615.02	647.52	677.32	707.37	734.01	764.01	793.05	811.31	817.30
280.0	616.61	650.09	680.52	711.29	736.52	767.34	797.03	815.41	823.81
300.0	617.82	651.89	682.81	714.15	738.93	770.52	800.07	818.71	829.84

ΔT (SEC)	25.00	25.50	26.00	26.50	27.00	27.50	28.00	28.50	29.00	29.50	30.00
0.2	35.00	35.70	36.40	37.10	37.80	38.50	39.20	39.90	40.60	41.30	42.00
0.4	44.49	50.48	51.47	52.46	53.45	54.44	55.43	56.42	57.41	58.40	59.39
0.6	60.60	61.81	63.03	64.24	65.45	66.67	67.88	69.09	70.31	71.52	72.73
0.8	64.96	71.36	72.76	74.16	75.56	76.97	78.37	79.77	81.17	82.57	83.97
1.0	70.20	77.77	81.33	84.89	88.47	92.04	95.60	99.17	102.74	106.30	109.87
1.2	82.65	87.36	89.00	90.64	92.28	93.93	95.57	97.22	98.86	100.50	102.15
1.4	92.49	94.34	96.20	98.05	99.91	101.76	103.62	105.47	107.33	109.18	111.04
1.6	98.85	100.84	102.82	104.80	106.79	108.77	110.74	112.72	114.70	116.67	118.65
1.8	104.83	106.91	109.00	111.10	113.20	115.30	117.40	119.50	121.60	123.70	125.80
2.0	110.87	112.69	114.51	116.33	118.15	119.97	121.79	123.61	125.43	127.25	129.07
2.2	115.84	118.17	120.50	122.82	125.15	127.48	129.81	132.14	134.47	136.80	139.13
2.4	120.77	123.40	126.03	128.66	131.29	133.92	136.55	139.18	141.81	144.44	147.07
2.6	125.68	128.91	132.14	135.37	138.60	141.83	145.06	148.29	151.52	154.75	157.98
2.8	130.60	133.83	137.06	140.29	143.52	146.75	150.00	153.25	156.50	159.75	163.00
3.0	135.16	137.89	140.62	143.35	146.08	148.81	151.54	154.27	157.00	159.73	162.46
3.2	139.46	142.37	145.28	148.19	151.10	154.01	156.92	159.83	162.74	165.65	168.56
3.4	143.83	146.72	149.62	152.52	155.42	158.32	161.22	164.12	167.02	169.92	172.82
3.6	147.76	150.95	154.14	157.33	160.52	163.71	166.90	170.09	173.28	176.47	179.66
3.8	151.97	155.05	158.14	161.23	164.32	167.41	170.50	173.59	176.68	179.77	182.86
4.0	155.70	159.05	162.40	165.75	169.10	172.45	175.80	179.15	182.50	185.85	189.20
4.2	159.72	162.74	165.76	168.78	171.80	174.82	177.84	180.86	183.88	186.90	189.92
4.4	163.44	166.74	170.04	173.34	176.64	179.94	183.24	186.54	189.84	193.14	196.44
4.6	167.08	170.45	173.82	177.20	180.57	183.94	187.31	190.68	194.05	197.42	200.79
4.8	170.48	174.04	177.53	181.02	184.51	188.00	191.49	194.98	198.47	201.96	205.45
5.0	174.11	177.63	181.15	184.67	188.19	191.71	195.23	198.75	202.27	205.79	209.31
5.5	182.51	186.21	189.91	193.61	197.31	201.01	204.71	208.41	212.11	215.81	219.51
6.0	190.55	194.39	198.23	202.07	205.91	209.75	213.59	217.43	221.27	225.11	228.95
6.5	198.23	202.22	206.21	210.20	214.19	218.18	222.17	226.16	230.15	234.14	238.13
7.0	205.57	209.74	213.92	218.09	222.26	226.44	230.61	234.79	238.96	243.14	247.32
7.5	212.67	216.99	221.31	225.63	229.95	234.27	238.59	242.91	247.23	251.55	255.87
8.0	219.53	223.99	228.46	232.92	237.38	241.84	246.30	250.76	255.22	259.68	264.14
8.5	226.16	230.77	235.37	239.97	244.57	249.17	253.77	258.37	262.97	267.57	272.17
9.0	232.59	237.31	242.03	246.75	251.47	256.19	260.91	265.63	270.35	275.07	279.79
9.5	238.93	243.77	248.61	253.45	258.29	263.13	267.97	272.81	277.65	282.49	287.33
10.0	245.11	249.91	254.71	259.51	264.31	269.11	273.91	278.71	283.51	288.31	293.11
10.5	250.52	255.45	260.38	265.31	270.24	275.17	280.10	285.03	290.00	294.97	299.94
11.0	256.20	261.13	266.06	271.00	275.93	280.86	285.79	290.72	295.65	300.58	305.51
11.5	262.20	267.13	272.06	277.00	281.93	286.86	291.79	296.72	301.65	306.58	311.51
12.0	267.70	272.63	277.56	282.50	287.43	292.36	297.29	302.22	307.15	312.08	317.01
12.5	273.07	278.00	282.93	287.86	292.79	297.72	302.65	307.58	312.51	317.44	322.37
13.0	278.53	283.46	288.39	293.32	298.25	303.18	308.11	313.04	317.97	322.90	327.83
13.5	283.47	288.40	293.33	298.26	303.19	308.12	313.05	317.98	322.91	327.84	332.77
14.0	288.52	293.45	298.38	303.31	308.24	313.17	318.10	323.03	327.96	332.89	337.82
14.5	293.46	298.39	303.32	308.25	313.18	318.11	323.04	327.97	332.90	337.83	342.76
15.0	298.32	303.25	308.18	313.11	318.04	322.97	327.90	332.83	337.76	342.69	347.62
15.5	303.08	307.95	312.82	317.69	322.56	327.43	332.30	337.17	342.04	346.91	351.78
16.0	307.91	312.78	317.65	322.52	327.39	332.26	337.13	342.00	346.87	351.74	356.61
16.5	312.56	317.43	322.30	327.17	332.04	336.91	341.78	346.65	351.52	356.39	361.26
17.0	316.87	321.74	326.61	331.48	336.35	341.22	346.09	350.96	355.83	360.70	365.57
17.5	321.34	326.21	331.08	335.95	340.82	345.69	350.56	355.43	360.30	365.17	370.04
18.0	325.44	330.31	335.18	340.05	344.92	349.79	354.66	359.53	364.40	369.27	374.14
18.5	329.24	334.11	338.98	343.85	348.72	353.59	358.46	363.33	368.20	373.07	377.94
19.0	332.84	337.71	342.58	347.45	352.32	357.19	362.06	366.93	371.80	376.67	381.54
19.5	336.24	341.11	345.98	350.85	355.72	360.59	365.46	370.33	375.20	380.07	384.94
20.0	339.44	344.31	349.18	354.05	358.92	363.79	368.66	373.53	378.40	383.27	388.14
21.0	350.66	355.53	360.40	365.27	370.14	375.01	379.88	384.75	389.62	394.49	399.36
22.0	358.51	363.38	368.25	373.12	377.99	382.86	387.73	392.60	397.47	402.34	407.21
23.0	366.17	371.04	375.91	380.78	385.65	390.52	395.39	400.26	405.13	410.00	414.87
24.0	373.65	378.52	383.39	388.26	393.13	398.00	402.87	407.74	412.61	417.48	422.35
25.0	380.91	385.78	390.65	395.52	400.39	405.26	410.13	415.00	419.87	424.74	429.61
26.0	388.02	392.89	397.76	402.63	407.50	412.37	417.24	422.11	426.98	431.85	436.72
27.0	394.76	399.63	404.50	409.37	414.24	419.11	423.98	428.85	433.72	438.59	443.46
28.0	401.20	406.07	410.94	415.81	420.68	425.55	430.42	435.29	440.16	445.03	449.90
29.0	407.45	412.32	417.19	422.06	426.93	431.80	436.67	441.54	446.41	451.28	456.15
30.0	413.95	418.82	423.69	428.56	433.43	438.30	443.17	448.04	452.91	457.78	462.65
31.0	420.61	425.48	430.35	435.22	440.09	444.96	449.83	454.70	459.57	464.44	469.31
32.0	427.61	432.48	437.35	442.22	447.09	451.96	456.83	461.70	466.57	471.44	476.31
33.0	434.78	439.65	444.52	449.39	454.26	459.13	464.00	468.87	473.74	478.61	483.48
34.0	441.52	446.39	451.26	456.13	461.00	465.87	470.74	475.61	480.48	485.35	490.22
35.0	448.25	453.12	457.99	462.86	467.73	472.60	477.47	482.34	487.21	492.08	496.95
36.0	455.21	460.08	464.95	469.82	474.69	479.56	484.43	489.30	494.17	499.04	503.91
37.0	462.41	467.28	472.15	477.02	481.89	486.76	491.63	496.50	501.37	506.24	511.11
38.0	469.89	474.76	479.63	484.50	489.37	494.24	499.11	503.98	508.85	513.72	518.59
39.0	477.61	482.48	487.35	492.22	497.09	501.96	506.83	511.70	516.57	521.44	526.31
40.0	485.51	490.38	495.25	500.12	504.99	509.86	514.73	519.60	524.47	529.34	534.21
41.0	493.61	498.48	503.35	508.22	513.09	517.96	522.83	527.70	532.57	537.44	542.31
42.0	501.91	506.78	511.65	516.52	521.39	526.26	531.13	536.00	540.87	545.74	550.61
43.0	510.49	515.36	520.23	525.10	529.97	534.84	539.71	544.58	549.45	554.32	559.19
44.0	519.24	524.11	528.98	533.85	538.72	543.59	548.46	553.33	558.20	563.07	567.94
45.0	528.15	533.02	537.89	542.76	547.63	552.50	557.37	562.24	567.11	571.98	576.85
46.0	537.22	542.09	546.96	551.83	556.70	561.57	566.44	571.31	576.18	581.05	585.92
47.0	546.45	551.32	556.19	561.06	565.93	570.80	575.67	580.54	585.41	590.28	595.15
48.0	555.84	560.71	565.58	570.45	575.32	580.19					

附表—II 模型波の波長の表 (単位 cm)

TABLE—II Lengths of Model Waves

$T = 0.05 \sim 10 \text{ sec.}$

$h = 1 \sim 300 \text{ cm}$

Time (SEC)	.55	.60	.65	.70	.75	.80	.85	.90	.95	1.00
1	16.94	18.43	20.03	21.62	23.20	24.78	26.37	27.95	29.52	31.10
2	23.27	25.37	27.80	30.14	32.42	34.68	36.94	39.19	41.44	43.69
3	27.83	30.71	33.57	36.40	39.22	42.02	44.81	47.60	50.37	53.14
4	31.37	34.76	38.11	41.43	44.72	47.99	51.25	54.49	57.72	60.94
5	34.42	38.48	41.88	45.64	49.37	53.07	56.74	60.40	64.04	67.66
6	36.56	40.86	45.09	49.26	53.39	57.49	61.55	65.59	69.61	73.60
7	38.49	43.20	47.24	51.43	55.45	59.44	63.32	67.22	71.59	75.46
8	40.09	45.21	50.23	55.18	60.06	64.68	69.56	74.41	79.12	83.80
9	41.43	46.92	52.32	57.63	62.96	68.03	73.15	78.22	83.25	88.25
10	42.55	48.39	54.14	59.80	65.38	70.84	76.32	81.71	87.05	92.35
11	43.44	49.64	55.74	61.74	67.68	73.47	79.22	84.92	90.56	96.16
12	44.19	50.72	57.14	63.47	69.69	75.85	81.89	87.88	93.82	99.70
13	44.91	51.63	58.37	65.01	71.94	77.99	84.34	90.63	96.85	103.01
14	45.53	52.40	59.44	66.38	73.22	79.76	86.61	93.18	99.68	106.11
15	46.11	53.05	60.37	67.61	74.74	81.77	88.70	95.25	102.32	109.02
16	46.65	53.60	61.10	68.70	76.11	83.42	90.65	97.75	104.79	111.76
17	46.88	54.06	61.89	69.66	77.35	84.94	92.82	99.81	107.11	114.33
18	46.99	54.45	62.64	70.52	78.48	86.33	94.08	101.72	109.28	116.76
19	46.85	54.76	63.02	71.29	79.69	87.60	95.31	103.25	111.32	119.04
20	46.57	55.03	63.47	71.96	80.90	88.77	97.05	105.18	113.24	121.20
21	46.37	55.24	63.86	72.55	81.43	89.83	98.34	106.74	115.04	123.25
22	46.95	55.42	64.18	73.07	81.97	90.83	99.25	108.19	117.77	125.37
23	47.01	55.57	64.46	73.53	82.63	91.69	100.67	109.55	118.52	127.00
24	47.05	55.69	64.70	73.93	83.22	92.53	101.71	110.81	119.82	128.72
25	47.09	55.78	64.90	74.28	83.76	93.24	102.56	111.99	121.22	130.35
26	47.12	55.86	65.07	74.58	84.23	93.91	103.54	113.09	122.54	131.89
27	47.14	55.92	65.22	74.85	84.75	94.52	104.35	114.12	123.78	133.35
28	47.15	55.97	65.34	75.08	85.03	95.07	105.10	115.07	124.95	134.72
29	47.17	56.02	65.44	75.27	85.36	95.57	105.79	115.96	126.04	136.02
30	47.18	56.05	65.52	75.45	85.66	96.02	106.42	116.78	127.07	137.26
31	47.18	56.08	65.59	75.59	85.92	96.43	107.00	117.54	128.05	138.42
32	47.19	56.10	65.65	75.72	86.15	96.80	107.53	118.25	128.93	139.52
33	47.19	56.11	65.71	75.83	86.36	97.13	108.01	118.91	129.77	140.55
34	47.20	56.13	65.74	75.92	86.54	97.43	108.46	119.52	130.54	141.53
35	47.20	56.14	65.77	76.01	86.70	97.69	108.86	120.09	131.50	142.45
36	47.21	56.15	65.80	76.07	86.73	97.93	109.23	120.61	131.94	143.32
37	47.21	56.15	65.83	76.13	86.76	98.15	109.57	121.09	132.64	144.14
38	47.21	56.16	65.84	76.18	86.76	98.34	109.88	121.54	133.24	144.92
39	47.21	56.16	65.86	76.23	86.76	98.51	110.15	121.95	133.81	145.64
40	47.21	56.17	65.87	76.26	86.74	98.67	110.41	122.33	134.33	146.33
41	47.21	56.17	65.88	76.29	86.71	98.80	110.64	122.68	134.82	146.97
42	47.21	56.17	65.89	76.32	86.77	98.93	110.85	123.03	135.27	147.58
43	47.21	56.18	65.90	76.34	86.73	99.04	111.04	123.30	135.70	148.14
44	47.21	56.18	65.91	76.36	86.77	99.13	111.21	123.57	136.04	148.68
45	47.21	56.18	65.91	76.38	86.71	99.22	111.36	123.82	136.46	149.18
46	47.21	56.18	65.92	76.39	86.75	99.29	111.50	124.05	136.86	149.65
47	47.21	56.18	65.92	76.41	86.78	99.36	111.53	124.26	137.11	150.09
48	47.21	56.18	65.92	76.42	86.81	99.42	111.74	124.45	137.40	150.50
49	47.21	56.18	65.93	76.42	86.83	99.48	111.85	124.62	137.67	150.89
50	47.21	56.18	65.93	76.43	86.85	99.52	111.94	124.78	137.92	151.25
52	47.21	56.18	65.93	76.44	86.89	99.60	112.10	125.06	138.37	151.90
54	47.21	56.18	65.93	76.45	86.91	99.66	112.23	125.30	138.75	152.47
56	47.21	56.18	65.93	76.46	86.93	99.71	112.35	125.49	139.08	152.97
58	47.21	56.18	65.94	76.46	86.95	99.75	112.42	125.65	139.36	153.40
60	47.21	56.18	65.94	76.47	86.96	99.79	112.48	125.79	139.59	153.77
62	47.21	56.18	65.94	76.47	86.96	99.81	112.54	125.93	139.79	154.10
64	47.21	56.18	65.94	76.47	86.97	99.82	112.58	125.99	139.96	154.38
66	47.21	56.18	65.94	76.47	86.97	99.84	112.52	125.97	140.10	154.62
68	47.21	56.18	65.94	76.47	86.98	99.85	112.51	125.91	140.25	154.82
70	47.21	56.18	65.94	76.47	86.98	99.85	112.57	125.84	140.32	154.91
72	47.21	56.18	65.94	76.47	86.98	99.85	112.54	125.82	140.41	155.16
74	47.21	56.18	65.94	76.47	86.98	99.87	112.70	126.06	140.49	155.29
76	47.21	56.18	65.94	76.47	86.99	99.87	112.71	126.09	140.54	155.41
78	47.21	56.18	65.94	76.47	86.99	99.87	112.72	125.91	140.59	155.50
80	47.21	56.18	65.94	76.47	86.99	99.87	112.73	125.93	140.63	155.59
82	47.21	56.18	65.94	76.47	86.99	99.88	112.74	125.95	140.67	155.66
84	47.21	56.18	65.94	76.47	86.99	99.88	112.74	125.96	140.70	155.72
86	47.21	56.18	65.94	76.47	86.99	99.88	112.75	125.97	140.73	155.77
88	47.21	56.18	65.94	76.47	86.99	99.88	112.75	125.98	140.75	155.81
90	47.21	56.18	65.94	76.47	86.99	99.88	112.75	125.99	140.76	155.85
92	47.21	56.18	65.94	76.47	86.99	99.88	112.75	125.99	140.78	155.89
94	47.21	56.18	65.94	76.47	86.99	99.88	112.75	125.99	140.79	155.91
96	47.21	56.18	65.94	76.47	86.99	99.88	112.76	125.99	140.80	155.94
98	47.21	56.18	65.94	76.47	86.99	99.88	112.76	125.99	140.81	155.96
100	47.21	56.18	65.94	76.47	86.99	99.88	112.76	125.99	140.82	155.97
105	47.21	56.18	65.94	76.47	86.99	99.88	112.76	125.99	140.83	156.01
110	47.21	56.18	65.94	76.47	86.99	99.88	112.76	125.99	140.84	156.03
115	47.21	56.18	65.94	76.47	86.99	99.88	112.76	125.99	140.85	156.04
120	47.21	56.18	65.94	76.47	86.99	99.88	112.76	125.99	140.85	156.05
125	47.21	56.18	65.94	76.47	86.99	99.88	112.76	125.99	140.85	156.06
130	47.21	56.18	65.94	76.47	86.99	99.88	112.76	125.99	140.85	156.06
135	47.21	56.18	65.94	76.47	86.99	99.88	112.76	125.99	140.85	156.07
140	47.21	56.18	65.94	76.47	86.99	99.88	112.76	125.99	140.85	156.07
145	47.21	56.18	65.94	76.47	86.99	99.88	112.76	125.99	140.85	156.07
150	47.21	56.18	65.94	76.47	86.99	99.88	112.76	125.99	140.85	156.07
160	47.21	56.18	65.94	76.47	86.99	99.88	112.76	125.99	140.85	156.07
170	47.21	56.18	65.94	76.47	86.99	99.88	112.76	125.99	140.85	156.07
180	47.21	56.18	65.94	76.47	86.99	99.88	112.76	125.99	140.85	156.07
190	47.21	56.18	65.94	76.47	86.99	99.88	112.76	125.99	140.85	156.07
200	47.21	56.18	65.94	76.47	86.99	99.88	112.76	125.99	140.85	156.07
210	47.21	56.18	65.94	76.47	86.99	99.88	112.76	125.99	140.85	156.07
220	47.21	56.18	65.94	76.47	86.99	99.88	112.76	125.99	140.85	156.07
230	47.21	56.18	65.94	76.47	86.99	99.88	112.76	125.99	140.85	156.07
240	47.21	56.18	65.94	76.47	86.99	99.88	112.76	125.99	140.85	156.07
250	47.21	56.18	65.94	76.47	86.99	99.88	112.76	125.99	140.85	156.07
260	47.21	56.18	65.94	76.47	86.99	99.88	112.76	125.99	140.85	156.07
270	47.21	56.18	65.94	76.47	86.99	99.88	112.76	125.99	140.85	156.07
280	47.21	56.18	65.94	76.47	86.99	99.88	112.76	125.99	140.85	156.07
290	47.21	56.18	65.94	76.47	86.99	99.88	112.76	125.99	140.85	156.07
300	47.21	56.18	65.94	76.47	86.99	99.88	112.76	125.99	140.85	156.07

0497 (SEC)	1.05	1.10	1.15	1.20	1.25	1.30	1.35	1.40	1.45	1.50
4150 (CM)										
1	32.68	34.75	35.83	37.40	38.77	40.59	42.12	43.69	45.26	46.83
2	48.17	49.17	50.41	52.64	54.08	57.11	59.34	61.97	63.60	65.03
3	59.91	59.67	61.62	64.17	66.42	69.07	72.81	75.15	77.89	80.63
4	64.15	67.36	70.56	73.75	76.74	80.12	83.30	86.48	89.65	92.82
5	71.29	74.89	78.48	82.06	85.64	89.22	92.73	96.25	99.71	103.16
6	77.89	81.96	85.52	89.46	93.40	97.33	101.25	105.18	109.09	112.99
7	83.27	87.59	91.88	96.17	100.44	104.70	108.96	113.23	117.44	121.68
8	88.45	93.09	97.71	102.31	106.70	111.47	116.00	120.79	125.11	129.68
9	93.22	98.16	103.08	107.99	112.88	117.75	122.61	127.46	132.30	137.12
10	97.62	102.66	107.05	111.27	116.49	121.61	126.75	131.90	137.04	142.10
11	101.72	107.25	112.74	118.22	123.69	129.13	134.51	139.71	145.24	150.68
12	105.94	111.35	117.12	122.86	128.58	134.27	139.95	145.61	151.25	156.88
13	109.13	115.20	121.24	127.25	133.22	139.17	145.10	151.01	156.90	162.77
14	112.50	118.43	124.33	131.39	137.62	143.82	149.99	156.15	162.28	168.39
15	115.67	122.26	128.81	135.32	141.79	148.44	154.65	161.04	167.41	173.76
16	118.66	125.50	132.30	139.05	145.77	152.45	159.10	165.72	172.32	178.89
17	121.48	128.58	135.62	142.61	149.75	156.87	163.95	171.03	177.94	184.82
18	124.16	131.49	138.77	146.00	153.18	160.32	167.42	174.49	181.53	188.55
19	126.69	134.26	141.77	149.23	156.04	163.00	170.33	177.62	184.87	192.10
20	129.09	136.90	144.04	152.32	159.45	167.24	175.08	182.98	190.85	197.49
21	131.35	139.43	147.37	155.28	163.13	170.93	178.68	186.43	194.07	201.72
22	133.52	141.79	149.99	158.11	166.18	174.19	182.16	190.08	197.96	205.70
23	135.57	144.07	152.48	160.83	169.11	177.33	185.50	193.62	201.71	209.75
24	137.52	146.24	154.87	163.43	171.42	180.35	188.72	197.05	205.33	213.58
25	139.37	148.31	157.15	165.92	174.62	183.25	191.93	200.36	208.84	217.28
26	141.13	150.28	159.34	168.32	177.22	186.05	194.94	203.76	212.43	220.86
27	142.81	152.17	161.44	170.62	179.74	189.77	198.74	207.66	215.52	224.34
28	144.40	153.97	163.44	172.83	182.14	191.37	200.54	209.65	218.70	227.71
29	145.91	155.68	165.37	174.96	184.46	193.89	203.25	212.95	221.79	230.98
30	147.34	157.32	167.21	177.00	186.70	196.33	205.56	215.96	224.79	234.16
31	148.71	158.89	168.97	178.96	188.86	198.67	208.42	218.99	227.70	237.25
32	150.00	160.39	170.67	180.85	190.94	200.94	210.97	220.73	230.52	240.25
33	151.23	161.81	172.29	182.66	192.74	203.14	213.25	223.49	233.28	243.17
34	152.40	163.18	173.84	184.41	194.48	205.26	215.55	225.77	235.92	246.01
35	153.52	164.48	175.33	186.09	196.14	207.31	217.79	228.10	238.51	248.77
36	154.57	165.72	176.76	187.70	198.74	209.43	219.95	230.53	241.03	251.46
37	155.57	166.90	178.13	189.26	200.68	211.41	222.04	232.90	243.47	254.07
38	156.52	168.03	179.45	190.75	201.76	213.06	224.08	235.09	245.85	256.62
39	157.42	169.11	180.74	192.19	203.77	214.86	226.05	237.15	248.16	259.11
40	158.27	170.14	181.91	193.57	205.13	216.59	227.95	239.23	250.41	261.52
41	159.08	171.12	183.06	194.90	206.64	218.27	229.41	241.45	252.60	263.88
42	159.85	172.05	184.17	196.18	208.09	219.89	231.60	243.21	254.75	266.17
43	160.57	172.94	185.23	197.41	209.49	221.47	233.34	245.12	256.81	268.41
44	161.26	173.79	186.24	198.59	210.84	222.94	235.03	247.07	258.83	270.59
45	161.91	174.60	187.21	199.73	212.14	224.46	236.67	248.77	260.79	272.72
46	162.52	175.36	188.14	200.82	213.40	225.88	238.25	250.53	262.70	274.79
47	163.10	176.09	189.02	201.87	214.61	227.25	239.79	252.25	264.57	276.81
48	163.65	176.79	189.87	202.88	215.78	228.57	241.28	253.88	266.38	278.78
49	164.17	177.45	190.68	203.84	216.91	229.87	242.73	255.49	268.14	280.70
50	164.66	178.08	191.46	204.77	218.00	231.12	244.14	257.05	269.86	282.58
52	165.95	179.24	192.91	206.52	220.05	233.47	246.82	260.04	273.17	286.19
54	166.34	180.29	194.23	208.13	221.76	235.73	249.34	262.07	275.30	288.62
56	167.05	181.23	195.44	209.62	223.73	237.77	251.70	263.94	277.27	292.09
58	167.67	182.07	196.53	210.98	225.38	239.73	253.93	265.96	279.00	294.00
60	168.22	182.93	197.52	212.23	226.90	241.50	256.02	267.44	284.75	298.96
62	168.71	183.51	198.43	213.37	228.30	243.14	257.90	272.64	287.28	301.78
64	169.13	184.12	199.24	214.43	229.51	244.75	259.41	274.81	289.68	304.46
66	169.51	184.66	199.98	215.39	230.71	246.42	261.94	276.79	291.95	307.00
68	169.84	185.15	200.65	216.27	231.78	247.76	263.15	278.97	294.10	309.42
70	170.13	185.58	201.25	217.07	232.94	248.82	264.55	281.44	296.13	311.73
72	170.38	185.96	201.80	217.80	233.99	249.93	266.08	283.11	298.06	313.92
74	170.60	186.30	202.31	218.47	234.75	251.04	267.44	293.68	299.88	316.00
76	170.74	186.60	202.73	219.07	235.39	252.04	268.84	295.15	301.60	317.97
78	170.96	186.87	203.12	219.62	236.08	253.01	269.74	296.94	303.23	319.85
80	171.11	187.10	203.48	220.12	236.76	253.87	270.97	298.84	304.77	321.63
82	171.23	187.31	203.74	220.58	237.37	254.63	271.98	299.97	306.22	323.32
84	171.35	187.50	204.04	220.99	237.88	255.44	272.61	301.21	307.59	324.92
86	171.44	187.66	204.33	221.36	238.06	256.12	273.39	302.49	308.89	326.44
88	171.53	187.80	204.56	221.70	238.13	256.75	274.50	304.33	310.11	327.88
90	171.60	187.93	204.77	222.01	238.76	257.34	275.25	305.24	311.25	329.24
92	171.86	188.04	204.95	222.28	239.76	257.87	275.95	306.13	312.34	330.54
94	171.72	188.14	205.11	222.53	240.32	258.37	276.51	307.05	313.35	331.76
96	171.76	188.23	205.25	222.76	240.84	258.82	277.21	307.95	314.31	332.91
98	171.81	188.30	205.38	222.96	241.44	259.24	277.77	308.85	315.21	334.01
100	171.84	188.37	205.50	223.14	241.42	259.63	278.29	309.73	316.06	335.04
105	171.91	188.50	205.73	223.52	241.79	260.45	279.43	309.82	317.76	337.38
110	171.96	188.60	205.91	223.81	242.25	261.13	280.37	309.88	319.58	339.41
115	171.99	188.67	206.04	224.04	242.75	261.67	281.13	309.94	321.14	341.91
120	172.02	188.72	206.13	224.21	243.27	262.10	281.76	309.83	322.12	344.66
125	172.03	188.76	206.20	224.34	243.11	262.44	282.26	309.92	323.11	347.95
130	172.04	188.78	206.26	224.44	243.48	262.72	282.57	309.33	323.94	349.05
135	172.05	188.80	206.27	224.51	243.41	262.94	283.03	309.24	324.64	349.80
140	172.06	188.82	206.33	224.57	243.41	263.11	283.31	309.04	325.43	349.99
145	172.06	188.82	206.35	224.61	243.79	263.25	283.53	309.37	325.72	349.48
150	172.06	188.83	206.36	224.65	243.75	263.36	283.71	309.65	326.13	348.66
160	172.07	188.84	206.38	224.69	243.74	263.51	283.97	309.97	326.75	348.97
170	172.07	188.84	206.34	224.71	243.79	263.61	284.14	309.35	327.14	349.61
180	172.07	188.85	206.40	224.73	243.72	263.67	284.25	309.53	327.44	350.07
190	172.07	188.85	206.44	224.74	243.94	263.73	284.32	309.66	327.70	350.40
200	172.07	188.85	206.43	224.74	243.75	263.73	284.35	309.74	327.84	350.63
210	172.07	188.85	206.43	224.74	243.46	263.74	284.34	309.82	327.94	350.79
220	172.07	188.85	206.41	224.74	243.76	263.75	284.41	309.85	328.01	350.90
230	172.07	188.85	206.41	224.75	243.76	263.75	284.42	309.86	328.05	350.98
240	172.07	188.85	206.41	224.75	243.76	263.75	284.43	309.86	328.08	351.04
250	172.07	188.85	206.41	224.75	243.97	263.76	284.44	309.89	328.10	351.08
260	172.07	188.85	206.41	224.75	243.77	263.76	284.45	309.89	328.12	351.11
270	172.07	188.85	206.41	224.75	243.97	263.77	284.44	309.93	328.13	351.13
280	172.07	188.85	206.41	224.75	243.97	263.77	284.44	309.93	328.13	351.14
290	172.07	188.85	206.41	224.75	243.97	263.77	284.45	309.93	328.14	351.15
300	172.07	188.85	206.41	224.75	243.97	263.77	284.45	309.93	328.14	351.15

2429 (SEC)	1.55	1.60	1.65	1.70	1.75	1.80	1.85	1.90	1.95	2.00
1	88.44	89.77	51.54	53.11	54.68	56.25	57.82	59.39	60.95	62.52
2	68.26	70.48	72.71	74.93	77.16	79.38	81.60	83.83	86.05	88.27
3	83.36	86.10	88.83	91.56	94.29	97.02	99.75	102.48	105.21	107.93
4	95.99	99.15	102.32	105.48	108.64	111.80	114.95	118.11	121.26	124.42
5	107.91	110.56	114.11	117.65	121.19	124.73	128.27	131.80	135.34	138.87
6	118.90	120.79	124.69	128.58	132.47	136.35	140.23	144.11	147.99	151.86
7	129.90	130.12	134.34	138.55	142.76	146.97	151.17	155.37	159.56	163.75
8	138.41	138.74	143.26	147.77	152.28	156.79	161.28	165.78	170.27	174.76
9	144.94	145.76	151.56	156.36	161.15	165.94	170.73	175.52	180.30	185.09
10	149.19	154.68	159.36	164.03	168.70	173.37	178.04	182.71	187.38	192.05
11	154.02	161.37	166.71	172.04	177.36	182.68	187.99	193.29	198.59	203.88
12	157.49	169.09	173.68	179.26	184.83	190.40	195.97	201.54	207.11	212.68
13	155.63	174.48	180.31	186.13	191.95	197.75	203.54	209.33	215.11	220.88
14	154.49	180.57	186.66	192.69	198.98	205.45	211.91	218.36	224.82	231.27
15	150.09	186.40	192.69	198.98	205.45	211.91	218.36	224.82	231.27	237.72
16	159.45	191.98	198.50	205.01	211.50	217.98	224.44	230.93	237.34	243.78
17	159.59	197.35	204.00	210.80	217.71	224.63	231.54	238.45	245.36	252.27
18	155.54	202.51	209.46	216.39	223.30	230.20	237.09	243.96	250.82	257.67
19	200.30	207.48	214.64	221.78	228.90	236.02	243.09	250.16	257.22	264.27
20	204.90	212.28	219.64	226.90	234.10	241.31	248.59	255.86	263.12	270.37
21	209.33	216.92	224.48	232.02	239.54	247.03	254.52	261.98	269.43	276.87
22	213.62	221.40	229.16	236.89	244.61	252.31	259.97	267.62	275.26	282.89
23	217.77	225.75	233.70	241.62	249.52	257.40	265.26	273.11	280.95	288.78
24	221.78	229.95	238.10	246.21	254.30	262.37	270.41	278.44	286.44	294.43
25	225.67	234.04	242.37	250.67	258.94	267.19	275.42	283.62	291.81	299.98
26	229.45	238.00	246.53	255.00	263.45	271.88	280.29	288.67	297.03	305.38
27	233.11	241.84	250.54	259.21	267.84	276.45	285.03	293.59	302.13	310.65
28	236.67	245.58	254.46	263.31	272.12	280.90	289.56	298.30	307.10	315.79
29	240.12	249.22	258.28	267.30	276.29	285.24	294.14	303.07	311.95	320.81
30	243.48	252.76	261.99	271.19	280.35	289.48	298.57	307.65	316.69	325.71
31	246.75	256.20	265.61	274.93	284.31	293.66	302.97	312.23	321.52	330.51
32	249.93	259.55	269.14	278.67	288.18	297.64	307.07	316.45	325.85	335.20
33	253.02	262.82	272.57	282.28	291.94	301.59	311.18	320.74	330.28	339.79
34	256.03	266.00	275.93	285.80	295.64	305.35	314.94	324.52	334.02	343.88
35	258.97	269.11	279.20	289.24	299.44	309.60	319.12	328.93	338.76	348.69
36	261.83	272.14	282.37	292.60	302.76	312.88	322.96	333.00	343.02	353.00
37	264.61	275.09	285.31	295.68	305.80	315.88	325.82	335.92	345.99	357.22
38	267.33	277.97	288.55	298.99	309.57	319.60	329.40	339.77	349.95	361.37
39	269.94	280.78	291.53	302.22	312.90	323.46	333.01	343.25	353.49	365.47
40	272.56	283.53	294.44	305.29	316.09	326.84	335.54	345.23	355.83	369.52
41	275.08	286.21	297.28	308.29	319.24	330.15	341.00	351.62	362.59	373.33
42	277.54	288.83	300.06	311.22	322.33	333.39	344.40	355.36	366.42	377.17
43	279.94	291.39	302.77	314.09	325.36	336.27	347.73	358.84	369.91	380.94
44	282.28	293.89	305.43	316.90	328.32	339.68	350.49	362.45	373.47	384.65
45	284.56	296.33	308.02	319.65	331.42	342.73	353.14	365.09	376.76	388.28
46	286.79	298.72	310.57	322.35	334.07	345.73	355.33	367.84	380.39	391.86
47	288.97	301.05	313.05	324.98	336.95	348.66	358.41	372.11	383.70	395.37
48	291.11	303.33	315.48	327.57	339.99	351.54	363.44	375.43	387.04	398.82
49	293.17	305.56	317.87	330.10	342.46	354.37	366.41	378.39	390.33	402.22
50	295.20	307.74	320.20	332.58	344.59	357.14	369.32	381.44	393.55	405.56
51	297.24	309.87	322.62	334.94	346.99	360.00	372.00	384.44	396.76	408.84
52	299.24	311.96	324.71	337.39	349.44	362.73	374.90	387.44	399.96	412.07
53	301.24	313.99	326.76	339.81	351.90	365.72	378.47	391.76	403.79	415.37
54	303.24	315.99	328.76	342.01	354.40	368.72	381.47	395.16	407.37	418.67
55	305.24	317.95	330.71	344.45	356.92	371.72	385.75	399.12	411.62	421.47
56	307.24	319.85	332.61	346.85	359.42	374.72	389.39	403.67	415.26	424.47
57	309.24	321.71	334.71	349.40	361.97	377.55	393.09	407.67	418.26	427.47
58	311.07	323.08	336.99	351.81	364.55	380.43	395.78	411.23	422.72	430.10
59	312.87	324.86	339.46	354.35	367.16	383.66	400.54	414.33	425.02	432.65
60	314.64	326.13	341.17	356.58	370.33	391.02	405.14	417.64	428.04	435.11
61	316.39	327.80	343.14	358.58	373.14	393.21	407.54	421.69	431.11	437.27
62	318.11	329.85	345.38	360.78	375.70	395.25	413.99	425.45	434.45	439.34
63	319.82	332.08	347.89	363.07	378.07	397.15	416.09	428.56	437.60	441.26
64	321.51	334.46	349.65	365.75	380.16	398.76	418.51	431.43	440.62	443.65
65	323.17	337.00	351.58	368.48	382.45	401.02	421.64	434.14	443.27	445.00
66	324.81	339.80	353.68	371.36	384.94	403.15	424.54	436.76	445.76	446.26
67	326.42	342.86	355.93	374.48	387.66	405.15	427.39	439.23	448.15	447.46
68	328.01	346.18	358.33	376.84	390.61	407.00	430.00	441.66	450.49	448.55
69	329.57	349.74	360.87	379.44	393.85	408.59	431.54	444.11	452.77	449.55
70	331.11	353.54	363.64	382.28	396.97	411.02	433.96	446.54	455.00	450.45
71	332.62	357.58	366.64	385.36	399.36	413.27	436.27	448.86	457.19	451.26
72	334.11	361.86	369.87	388.68	402.00	415.27	438.47	451.06	459.28	452.00
73	335.57	366.40	373.33	392.24	404.98	417.04	440.57	453.14	461.27	452.67
74	337.01	371.19	377.04	395.16	408.12	418.59	442.57	455.11	463.34	453.26
75	338.42	376.24	381.17	398.21	411.53	420.92	444.94	457.07	465.30	453.76
76	339.81	381.54	385.58	401.50	414.66	423.07	447.27	458.91	467.16	454.19
77	341.17	387.09	390.24	405.09	417.97	425.07	449.57	460.71	468.91	454.55
78	342.51	392.88	394.94	408.78	421.46	426.94	451.84	462.41	470.54	454.86
79	343.82	398.91	400.57	412.58	425.11	428.68	454.07	464.01	472.04	455.11
80	345.11	405.18	406.14	416.99	428.00	430.30	456.27	465.54	473.51	455.31
81	346.37	411.70	411.65	421.68	432.11	431.81	458.44	467.00	474.94	455.46
82	347.61	418.47	417.12	426.66	436.04	433.21	460.59	468.41	476.34	455.56
83	348.82	425.49	422.51	431.93	440.12	434.51	463.00	469.77	477.71	455.61
84	349.99	432.74	427.76	437.46	444.27	435.71	465.47	471.11	479.04	455.61
85	351.13	440.22	433.06	443.24	448.57	436.81	467.91	472.44	480.33	455.56
86	352.24	447.94	438.41	449.27	452.99	437.81	470.30	473.71	481.57	455.46
87	353.33	455.89	443.80	455.46	457.76	438.71	472.64	474.94	482.76	455.31
88	354.40	464.08	449.24	461.76	462.76	439.61	475.00	476.11	483.91	455.11
89	355.45	472.50	454.73	467.41	467.99	440.51	477.30	477.24	485.04	454.91
90	356.48	481.14	460.27	473.40	473.54	441.41	479.64	478.33	486.14	454.71
91	357.49	490.00	465.86	479.64	479.33	442.31	481.94	479.41	487.21	454.51
92	358.48	499.08	471.50	486.13	485.36	443.21	484.27	480.44	488.26	454.31
93	359.45	508.38	477.29	492.84	491.61	444.11	486.54	481.51	489.26	454.11
94	360.40	517.89	483.14	499.86	498.10	445.01	488.77	482.54	490.21	453.91
95	361.33	527.61	489.04	507.16	504.81	445.91	491.00	483.54	491.11	453.71
96	362.24	537.54	494.99	514.74	511.71	446.81	493.24	484.51	492.00	453.51
97	363.13	547.68	501.08	522.60	518.81	447.71	495.47	485.44	492.86	453.31
98	364.00	558.03	507.31	530.74	526.11	448.61	497.67	486.33	493.67	453.11
99	364.85	568.58	513.68	539.16	533.61	449.51	499.84	487.21	494.44	452.91
100	365.68	579.33	520.19	547.86	541.31	450.41	501.97	488.04	495.19	452.71
101	366.49	590.28	526.84	556.84						

9499 (SEC)	2,10	2,20	2,30	2,40	2,50	2,60	2,70	2,80	2,90	3,00
1	65.66	68.79	71.93	75.06	78.20	81.33	84.47	87.61	90.74	93.87
2	92.71	97.16	101.60	106.04	110.47	114.91	119.35	123.79	128.22	132.66
3	113.38	118.83	124.27	129.72	135.16	140.60	146.04	151.48	156.92	162.35
4	130.72	137.02	143.32	149.61	155.91	162.19	168.48	174.76	181.05	187.33
5	145.93	152.28	158.63	164.87	171.11	177.35	183.59	189.82	196.05	202.28
6	159.61	167.35	175.08	182.80	190.53	198.25	205.96	213.67	221.38	229.09
7	172.13	180.50	188.86	197.22	205.57	213.92	222.26	230.59	238.93	247.26
8	183.73	192.69	201.65	210.59	219.52	228.46	237.39	246.33	255.22	264.13
9	194.50	204.10	213.60	223.10	232.57	242.07	251.55	261.02	270.48	279.94
10	204.79	214.83	224.87	234.89	244.91	254.91	264.91	274.91	284.88	294.86
11	214.45	225.00	235.54	246.07	256.59	267.09	277.59	288.07	298.55	309.02
12	223.64	234.68	245.70	256.70	267.70	278.68	289.65	300.62	311.57	322.52
13	232.41	243.91	255.40	266.87	278.33	289.77	301.20	312.62	324.03	335.44
14	240.81	252.76	264.70	276.62	288.52	300.40	312.28	324.14	336.00	347.88
15	248.87	261.26	273.63	285.98	298.32	310.65	322.98	335.31	347.61	359.94
16	256.03	269.45	282.24	295.01	307.76	320.50	333.22	345.92	358.61	371.29
17	262.11	277.35	290.55	303.73	316.89	330.03	343.15	356.26	369.35	382.43
18	271.34	284.98	298.58	312.16	325.72	339.25	352.77	366.27	379.75	393.22
19	278.34	292.37	306.37	320.33	334.28	348.19	362.09	375.98	389.86	403.69
20	285.12	299.54	313.92	328.26	342.20	356.08	371.15	385.41	399.64	412.66
21	291.70	306.49	321.25	335.97	350.06	365.32	379.96	394.98	409.18	423.76
22	298.10	313.26	328.38	343.46	358.51	373.58	388.53	403.51	418.47	433.81
23	304.31	319.84	335.32	350.76	366.17	381.58	396.89	412.22	427.52	443.81
24	310.37	326.25	342.06	357.87	373.63	389.35	405.05	420.72	436.36	453.90
25	316.26	332.49	348.67	364.81	380.71	396.77	413.01	429.02	445.00	460.96
26	322.01	338.59	355.11	371.59	388.02	404.42	420.79	437.33	453.44	469.73
27	327.63	344.58	361.40	378.21	394.98	411.70	428.40	445.06	461.70	476.31
28	333.11	350.36	367.55	384.68	401.78	418.85	435.35	452.48	468.72	482.72
29	338.46	356.88	373.56	391.02	408.43	425.81	443.14	460.44	477.71	494.95
30	343.69	363.60	379.44	397.22	414.75	432.64	448.29	467.93	485.46	503.03
31	348.82	369.84	385.70	403.30	421.34	439.34	457.30	475.22	493.10	510.96
32	353.83	376.37	390.85	409.25	427.61	445.91	464.17	482.39	500.08	518.73
33	358.74	382.59	396.38	415.09	433.75	452.36	470.92	489.44	507.22	526.37
34	363.54	388.71	401.80	420.82	439.78	458.69	477.55	496.36	515.14	533.88
35	368.26	394.75	407.13	425.45	445.70	464.40	484.05	503.76	522.25	541.26
36	372.89	399.66	412.35	431.97	451.22	471.01	489.45	509.25	528.20	548.51
37	377.41	404.89	417.40	437.39	457.23	477.01	496.74	516.42	535.60	555.65
38	381.85	409.23	422.52	442.72	462.95	482.92	502.93	522.89	542.60	562.68
39	386.22	413.89	427.47	447.96	468.37	488.72	509.01	529.45	549.44	569.59
40	390.50	419.86	432.33	453.11	473.81	494.44	515.00	533.22	555.98	576.40
41	394.71	425.96	437.11	458.17	479.15	500.00	520.90	541.09	562.42	583.11
42	398.84	432.38	441.82	463.15	484.43	505.29	526.71	547.76	569.77	591.73
43	402.90	438.73	446.44	468.06	489.75	511.04	532.43	553.78	575.42	596.24
44	406.87	445.00	450.99	472.89	494.69	516.41	538.06	559.05	581.19	602.67
45	410.81	451.20	457.44	477.64	499.71	521.73	543.62	565.27	587.47	609.41
46	414.67	457.34	463.88	482.32	504.66	526.92	549.10	571.21	593.26	615.26
47	418.46	463.41	469.22	486.93	509.74	532.06	554.50	576.47	599.18	621.43
48	422.19	469.41	474.50	491.47	514.38	537.12	559.42	582.45	605.01	627.52
49	425.86	475.36	479.71	495.95	519.08	542.12	564.08	587.76	610.77	633.53
50	429.48	481.24	484.86	500.36	523.75	547.05	570.26	595.39	616.46	639.46
51	433.03	487.06	490.98	504.00	527.71	551.71	575.42	604.46	627.62	651.11
52	436.57	492.82	495.87	507.40	531.71	556.12	580.33	613.45	636.48	662.48
53	440.00	498.55	500.54	510.58	535.49	560.49	589.79	622.03	645.33	673.58
54	443.44	504.25	503.55	513.55	539.37	564.72	594.42	630.21	654.51	684.33
55	446.87	509.90	507.26	516.30	543.19	569.25	601.62	641.18	664.69	694.04
56	450.29	515.54	510.22	518.86	547.24	573.67	607.04	652.48	675.27	704.42
57	453.65	521.22	514.22	521.22	551.22	578.41	614.89	664.28	687.28	715.58
58	456.98	526.96	517.44	523.43	554.76	583.74	622.74	673.75	698.79	726.53
59	460.25	532.73	520.48	525.45	558.25	588.85	630.81	682.01	708.04	737.28
60	463.48	538.54	523.26	527.31	561.77	594.07	638.67	691.48	717.41	748.44
61	466.67	544.38	526.23	529.22	565.22	599.44	646.72	702.59	727.27	759.42
62	469.82	550.26	529.44	531.43	568.76	604.94	655.00	711.75	736.94	770.42
63	472.93	556.18	532.94	533.94	572.45	610.42	663.42	721.21	746.42	781.42
64	476.00	562.14	535.94	536.44	576.25	616.12	670.32	730.34	755.42	792.42
65	479.03	568.14	539.47	539.31	580.27	622.07	678.64	739.48	764.42	803.42
66	482.03	574.18	543.10	543.10	584.44	628.07	687.41	748.67	773.42	814.42
67	485.00	580.26	546.86	546.86	588.76	634.12	696.74	757.92	782.42	825.42
68	487.93	586.38	550.76	550.76	593.27	640.33	705.64	767.48	791.42	836.42
69	490.82	592.54	554.80	554.80	598.11	646.71	715.11	777.48	801.42	847.42
70	493.67	598.84	558.99	558.99	603.11	653.27	724.67	787.48	811.42	858.42
71	496.48	605.26	563.32	563.32	608.27	660.11	734.11	797.48	821.42	869.42
72	499.25	611.82	567.80	567.80	613.57	667.11	744.11	807.48	831.42	880.42
73	501.98	618.54	572.44	572.44	619.07	674.22	754.22	817.48	841.42	891.42
74	504.67	625.41	577.26	577.26	624.77	681.42	764.42	827.48	851.42	902.42
75	507.31	632.44	582.22	582.22	630.47	688.74	774.74	837.48	861.42	913.42
76	509.90	639.62	587.33	587.33	636.33	696.22	785.22	847.48	871.42	924.42
77	512.45	646.96	592.59	592.59	642.33	703.81	796.81	857.48	881.42	935.42
78	514.96	654.46	597.99	597.99	648.47	711.54	807.54	867.48	891.42	946.42
79	517.43	662.11	603.54	603.54	654.77	719.42	818.42	877.48	901.42	957.42
80	519.86	669.91	609.33	609.33	661.33	727.44	829.44	887.48	911.42	968.42
81	522.25	677.86	615.36	615.36	668.07	735.51	840.51	897.48	921.42	979.42
82	524.60	685.96	621.63	621.63	674.97	743.74	851.74	907.48	931.42	990.42
83	526.91	694.21	628.14	628.14	682.03	752.11	863.11	917.48	941.42	1001.42
84	529.18	702.61	634.89	634.89	689.27	760.64	874.64	927.48	951.42	1012.42
85	531.41	711.16	641.88	641.88	696.77	769.33	886.33	937.48	961.42	1023.42
86	533.60	719.86	649.11	649.11	704.51	778.11	898.11	947.48	971.42	1034.42
87	535.75	728.71	656.59	656.59	713.33	787.07	910.07	957.48	981.42	1045.42
88	537.86	737.71	664.32	664.32	722.77	796.22	922.22	967.48	991.42	1056.42
89	539.93	746.86	672.30	672.30	731.83	805.64	934.64	977.48	1001.42	1067.42
90	541.96	756.16	680.54	680.54	741.54	815.33	947.33	987.48	1011.42	1078.42
91	543.95	765.61	688.93	688.93	751.83	825.33</				

WAVE (SEC)	3.10	3.20	3.30	3.40	3.50	3.60	3.70	3.80	3.90	4.00
1	97.01	100.14	103.27	106.41	109.54	112.67	115.81	118.94	122.07	125.20
2	137.09	141.33	145.56	149.80	154.03	158.27	162.50	166.73	170.96	175.20
3	176.79	173.22	170.66	168.09	165.52	162.95	160.39	157.82	155.25	152.68
4	173.61	199.49	208.17	212.45	218.72	225.00	231.28	237.55	243.83	250.10
5	216.31	223.36	230.36	237.38	244.41	251.43	258.45	265.47	272.49	279.50
6	236.78	248.49	252.19	259.89	267.59	275.28	282.98	290.67	298.36	306.05
7	255.98	263.91	272.23	280.55	288.87	297.19	305.50	313.82	322.14	330.45
8	273.06	281.98	290.85	299.75	308.64	317.54	326.43	335.32	344.21	353.10
9	289.68	298.85	309.30	317.74	327.19	336.63	346.06	355.49	364.93	374.36
10	304.84	314.81	324.77	334.74	344.70	354.65	364.60	374.55	384.50	394.45
11	319.49	329.96	340.42	350.87	361.32	371.77	382.21	392.65	403.09	413.53
12	333.86	344.80	355.23	365.26	375.18	385.10	395.01	404.92	414.83	424.74
13	348.08	358.23	368.61	378.99	389.36	400.73	411.10	421.46	431.82	442.17
14	359.68	371.50	383.33	395.14	406.95	418.75	430.56	442.35	454.14	465.93
15	372.04	384.29	396.53	408.77	421.00	433.23	445.45	457.66	469.87	482.08
16	383.97	396.65	409.28	421.93	434.57	447.20	459.83	472.45	485.07	497.68
17	399.50	408.56	421.62	434.66	447.69	460.72	473.75	486.76	499.77	512.78
18	408.68	420.13	433.57	447.00	460.42	473.85	487.28	500.69	514.10	527.49
19	417.53	431.36	445.17	458.98	472.77	486.58	500.38	514.17	527.95	541.73
20	428.07	442.27	456.45	470.62	484.79	498.94	513.09	527.23	541.36	555.48
21	438.33	452.89	467.43	481.96	496.48	510.99	525.50	539.99	554.48	568.96
22	448.33	463.21	478.13	493.01	507.94	522.75	537.65	552.48	567.27	582.10
23	458.08	473.33	488.57	503.80	519.01	534.22	549.34	564.39	579.27	594.03
24	467.60	483.19	498.77	514.33	529.88	545.42	560.94	576.46	591.97	607.47
25	476.90	492.82	508.73	524.62	540.50	556.37	572.23	588.07	603.91	619.73
26	486.00	502.25	518.48	534.70	550.70	567.09	583.27	599.44	615.59	631.74
27	494.70	511.47	528.03	544.56	561.08	577.59	594.08	610.57	627.04	643.50
28	503.63	520.51	537.38	554.23	571.06	587.88	604.68	621.48	638.25	655.03
29	512.17	529.37	546.55	563.70	580.84	597.87	615.08	632.18	649.27	666.34
30	520.56	538.06	555.54	571.00	590.44	607.87	625.28	642.08	658.77	677.44
31	528.78	546.59	564.37	582.13	599.97	617.50	635.30	653.03	670.68	688.35
32	536.86	554.76	573.04	591.09	608.13	627.15	645.15	663.13	681.11	699.07
33	544.91	563.19	581.55	599.98	618.23	636.35	654.82	673.13	691.36	709.60
34	552.77	571.27	589.53	608.08	627.17	645.25	664.34	682.42	701.44	719.97
35	560.25	579.22	598.16	617.08	635.77	654.85	673.70	692.94	711.36	730.17
36	567.79	587.04	606.26	625.46	644.03	663.78	682.92	702.03	721.15	740.21
37	575.21	594.74	614.24	633.71	653.16	672.58	691.49	711.38	730.74	750.10
38	582.51	602.32	622.09	641.83	661.75	681.45	700.93	720.38	740.42	760.45
39	589.70	609.78	629.82	649.84	669.63	689.79	709.73	729.66	749.56	769.45
40	596.78	617.13	637.44	657.72	677.78	698.21	718.41	738.53	758.77	778.91
41	603.76	624.37	644.95	665.50	685.02	706.21	726.97	747.42	767.85	788.25
42	610.64	631.21	652.35	673.16	693.78	716.69	737.82	758.12	778.46	798.85
43	617.42	638.36	659.66	680.72	701.76	722.77	743.75	764.71	785.64	806.56
44	624.11	645.50	666.86	688.18	709.47	730.73	751.97	773.18	794.37	815.53
45	630.70	652.35	673.96	695.54	717.08	738.60	760.08	781.34	802.78	824.00
46	637.21	659.11	680.98	702.81	724.00	746.36	768.10	789.83	811.44	833.15
47	643.65	665.79	687.90	709.98	732.02	754.93	776.01	797.76	819.89	841.79
48	649.97	672.38	694.74	717.06	739.35	761.60	783.33	805.24	828.14	850.34
49	656.23	678.88	701.49	724.06	746.59	769.08	791.55	813.79	836.40	858.78
50	662.41	685.31	708.16	730.97	753.74	776.48	799.16	821.06	844.51	867.13
51	674.55	697.93	721.26	744.55	767.40	791.01	814.19	837.33	860.45	883.54
52	680.39	710.25	734.06	757.62	781.74	806.86	830.82	854.77	878.65	899.60
53	687.77	722.30	746.57	770.80	794.78	819.12	843.24	867.48	891.51	915.31
54	694.29	734.08	758.81	783.50	808.13	832.62	857.27	881.74	906.46	930.71
60	720.36	755.61	781.79	795.93	821.01	846.50	871.04	896.53	922.07	948.81
61	731.19	756.89	782.53	808.11	833.63	859.11	884.54	909.74	935.49	960.61
64	741.80	767.95	794.02	820.04	846.01	871.92	897.78	923.01	948.34	975.14
65	752.19	778.78	805.30	831.75	858.14	884.48	910.76	937.03	963.23	989.40
68	762.58	789.80	816.35	843.23	870.05	896.82	923.53	950.43	976.82	1003.81
70	772.37	799.82	827.20	854.50	881.75	908.93	936.06	963.14	990.18	1017.77
72	782.17	810.05	837.84	865.57	893.23	920.83	948.37	975.86	1003.31	1030.71
74	791.79	820.08	848.30	876.44	904.31	932.52	960.47	988.37	1016.42	1044.02
75	801.23	829.74	858.57	887.12	915.00	944.01	972.37	1000.67	1028.91	1057.11
79	810.50	839.62	868.66	897.62	926.50	955.32	984.07	1012.77	1041.41	1070.00
83	819.60	849.14	878.56	907.94	937.23	966.44	995.59	1024.07	1053.71	1082.68
86	828.55	858.49	888.34	918.10	947.78	977.34	1006.92	1036.43	1065.81	1099.18
88	837.34	867.69	897.93	928.09	958.16	988.15	1018.08	1047.74	1077.74	1107.49
89	846.09	876.73	907.37	937.92	968.38	998.79	1029.07	1059.31	1089.49	1119.61
89	854.49	885.63	916.66	947.59	978.44	1009.21	1039.89	1070.21	1101.01	1131.97
93	862.95	894.38	925.80	957.12	988.33	1019.50	1050.56	1081.26	1112.49	1143.35
92	871.08	903.00	934.80	966.51	998.11	1029.63	1061.07	1092.44	1123.74	1154.97
94	879.17	911.48	943.67	975.75	1007.13	1039.05	1071.44	1103.17	1134.84	1166.44
96	887.14	919.83	952.40	984.86	1017.21	1049.48	1081.66	1113.76	1145.78	1177.74
98	894.98	928.05	961.00	993.83	1026.56	1059.19	1091.74	1124.43	1156.59	1188.90
100	902.51	936.16	969.48	1002.68	1035.77	1068.77	1101.68	1134.53	1167.24	1199.92
105	921.51	955.49	990.14	1024.26	1058.26	1092.16	1125.96	1159.67	1193.29	1226.04
110	939.62	974.92	1010.08	1045.10	1080.00	1114.78	1149.46	1184.04	1218.53	1252.94
115	957.09	993.29	1029.35	1055.25	1101.03	1136.69	1172.23	1207.67	1243.01	1279.27
120	973.94	1011.04	1047.98	1084.75	1121.40	1157.92	1194.31	1230.60	1266.78	1302.87
125	990.22	1028.20	1066.01	1103.66	1141.15	1178.51	1215.75	1252.88	1289.87	1326.78
130	1005.95	1044.81	1083.47	1121.97	1160.31	1198.50	1236.57	1274.50	1312.33	1350.04
135	1021.17	1060.88	1100.40	1139.74	1178.71	1217.93	1256.50	1295.25	1334.18	1372.69
140	1035.98	1076.45	1116.81	1156.98	1196.47	1236.80	1276.46	1316.03	1355.49	1394.76
145	1050.15	1091.54	1132.73	1173.72	1214.72	1255.16	1295.63	1335.78	1375.18	1414.26
150	1063.93	1106.17	1148.38	1189.98	1231.59	1273.03	1314.30	1355.41	1395.39	1437.24
160	1090.25	1134.13	1179.76	1221.17	1264.36	1307.36	1351.18	1392.83	1435.35	1477.69
170	1114.99	1160.98	1205.70	1250.67	1295.42	1339.99	1384.29	1429.45	1472.44	1516.28
180	1138.26	1185.33	1232.11	1276.63	1324.90	1370.94	1416.76	1462.41	1507.87	1549.15
190	1160.17	1208.80	1257.11	1305.15	1352.72	1400.45	1447.75	1494.83	1541.75	1590.44
200	1180.82	1230.97	1280.80	1330.33	1374.58	1428.58	1477.30	1525.82	1574.15	1622.24
210	1200.27	1251.94	1303.20	1354.26	1408.96	1455.34	1503.54	1555.47	1605.17	1654.65
220	1218.84	1271.78	1324.50	1377.01	1429.18	1480.94	1524.55	1583.80	1634.93	1684.78
230	1235.56	1290.55	1344.78	1398.66	1452.20	1505.44	1558.39	1611.66	1663.44	1715.00
240	1252.27	1308.33	1363.97	1419.26	1474.20	1528.81	1583.13	1631.19	1690.91	1744.42
250	1267.71	1325.15	1382.20	1438.87	1495.19	1551.77	1606.93	1662.19	1717.27	1772.08
260	1282.25	1341.08	1399.51	1457.56	1515.43	1572.55	1624.54	1686.42	1742.60	1798.71
270	1295.96	1356.16	1415.96	1475.35	1534.37	1593.02	1641.32	1709.33	1766.97	1824.35
280	1308.87	1370.45	1431.98	1492.31	1552.64	1612.60	1672.21			

TIME (SEC)	4.10	4.20	4.30	4.40	4.50	4.60	4.70	4.80	4.90	5.00
1	128.34	131.47	134.60	137.74	140.87	144.00	147.13	150.27	153.40	156.53
2	181.43	185.86	190.29	194.72	199.15	203.59	208.02	212.45	216.88	221.31
3	224.13	227.54	231.97	236.40	240.83	245.26	249.69	254.12	258.55	262.98
4	285.37	289.78	294.19	298.60	303.01	307.42	311.83	316.24	320.65	325.06
5	286.52	293.54	300.55	307.57	314.58	321.59	328.61	335.62	342.63	349.64
6	313.74	321.43	329.12	336.80	344.49	352.18	359.86	367.55	375.23	382.91
7	338.74	347.05	355.36	363.66	371.97	380.27	388.58	396.88	405.18	413.48
8	361.49	370.47	379.45	388.43	397.42	406.40	415.38	424.36	433.34	441.91
9	383.79	393.22	402.65	412.07	421.49	430.92	440.34	449.76	459.18	468.59
10	404.39	414.33	424.27	434.21	444.15	454.08	464.02	473.95	483.88	493.81
11	423.96	434.39	444.82	455.25	465.67	476.09	486.52	496.94	507.35	517.77
12	442.63	453.53	464.43	475.32	486.21	497.11	508.00	518.88	529.77	540.65
13	460.52	471.87	483.22	494.56	505.90	517.24	528.58	539.91	551.24	562.57
14	477.72	489.50	501.27	513.05	524.82	536.59	548.36	560.13	571.89	583.65
15	494.28	506.48	518.68	530.87	543.06	555.25	567.43	579.62	591.80	603.98
16	510.29	522.89	535.49	548.09	560.69	573.28	585.87	598.45	611.03	623.62
17	525.78	538.78	551.77	564.76	577.75	590.73	603.71	616.69	629.67	642.64
18	540.81	554.19	567.56	580.93	594.30	607.66	621.02	634.38	647.74	661.09
19	555.80	569.16	582.52	595.88	609.24	622.59	635.95	649.30	662.65	676.00
20	569.60	583.72	597.83	611.93	626.03	640.13	654.22	668.31	682.39	696.47
21	583.43	597.90	612.37	626.84	641.31	655.77	670.23	684.69	699.15	713.60
22	597.13	611.75	626.37	641.00	655.63	670.47	685.31	700.15	714.99	729.82
23	610.09	625.25	640.39	655.53	670.67	685.81	700.95	716.09	731.23	746.36
24	622.46	638.45	654.43	670.41	686.39	702.37	718.34	734.31	750.28	766.24
25	635.55	651.36	667.17	682.96	698.75	714.54	730.32	746.09	761.86	777.62
26	648.88	664.81	680.73	696.65	712.57	728.48	744.39	760.29	776.18	792.07
27	662.45	678.40	694.33	710.25	726.16	742.07	757.97	773.86	789.75	805.63
28	676.19	692.24	708.17	724.09	740.00	755.91	771.81	787.70	803.59	819.47
29	689.41	705.46	721.39	737.31	753.22	769.12	785.01	800.90	816.78	832.66
30	694.81	712.16	729.50	746.84	764.17	781.49	798.80	816.11	833.40	850.70
31	706.01	723.65	741.29	758.92	776.54	794.15	811.75	829.35	846.94	864.53
32	717.01	734.95	752.88	770.79	788.69	806.60	824.49	842.37	860.25	878.12
33	727.83	746.06	764.27	782.47	800.66	818.84	837.02	855.18	873.34	891.49
34	738.44	756.92	775.38	793.84	812.29	830.73	849.16	867.57	885.97	904.35
35	748.96	767.74	786.51	805.26	824.01	842.75	861.48	880.21	898.93	917.61
36	759.27	778.33	797.37	816.40	835.42	854.43	873.43	892.42	911.41	930.38
37	769.44	788.76	808.07	827.37	846.56	865.74	884.91	904.06	923.21	942.35
38	779.55	799.16	818.62	838.33	857.48	876.63	895.77	914.90	934.02	952.95
39	789.37	809.17	828.61	848.84	868.66	888.46	908.25	927.04	945.81	964.58
40	799.05	819.16	838.26	869.35	879.43	899.49	919.54	939.58	959.62	979.64
41	808.84	829.02	849.37	869.72	890.05	910.37	930.69	950.97	971.25	991.54
42	818.11	838.74	859.35	879.95	900.54	921.11	941.67	962.22	982.77	1003.29
43	827.46	848.34	869.20	890.05	910.89	931.71	952.52	973.32	994.11	1014.88
44	836.60	857.81	879.03	900.02	921.11	942.19	963.23	984.26	1005.31	1026.34
45	845.79	867.17	888.53	909.87	931.20	952.52	973.92	995.11	1016.59	1037.65
46	854.79	876.41	898.02	919.60	941.17	962.73	984.27	1005.81	1027.52	1048.83
47	863.68	885.54	907.39	929.22	951.03	972.83	994.61	1016.38	1038.14	1059.88
48	872.46	894.57	916.65	938.72	960.47	982.80	1004.82	1026.83	1048.82	1070.81
49	881.14	903.49	925.81	948.11	970.40	992.67	1014.42	1037.16	1058.59	1081.61
50	889.73	912.30	934.86	957.40	979.72	1002.42	1024.91	1047.38	1069.84	1092.29
51	908.60	929.65	952.67	975.67	998.65	1021.61	1044.56	1067.49	1090.43	1113.32
52	917.13	946.62	970.09	993.55	1016.98	1038.43	1062.50	1087.18	1110.53	1133.91
53	925.79	963.24	987.16	1011.06	1034.48	1058.81	1084.65	1108.44	1130.27	1154.98
54	934.13	979.52	1003.89	1028.23	1052.75	1076.85	1101.13	1125.39	1149.64	1173.87
55	942.55	995.49	1020.29	1045.07	1069.72	1094.35	1119.26	1143.75	1168.63	1193.28
56	950.89	1011.15	1036.38	1061.59	1086.76	1111.92	1137.06	1162.17	1187.27	1212.34
57	959.24	1026.53	1052.18	1077.81	1103.40	1128.48	1154.53	1180.06	1205.98	1231.07
58	967.55	1041.63	1067.70	1093.74	1119.75	1145.74	1171.70	1197.05	1223.57	1249.47
59	975.95	1056.47	1082.95	1109.40	1135.92	1162.41	1188.58	1214.73	1241.26	1267.57
60	984.13	1071.05	1097.94	1124.79	1151.62	1178.41	1205.19	1231.74	1258.66	1285.37
61	992.07	1085.39	1112.68	1139.93	1167.16	1194.35	1221.52	1248.07	1275.79	1302.88
62	1001.78	1099.50	1127.10	1154.83	1182.45	1210.04	1237.80	1265.13	1292.04	1320.13
63	1009.27	1113.38	1141.46	1169.50	1197.90	1225.48	1245.43	1281.35	1309.25	1337.12
64	1016.95	1127.04	1154.51	1184.53	1212.53	1240.67	1260.02	1297.32	1325.00	1353.85
65	1024.11	1140.51	1169.35	1198.16	1226.94	1255.89	1274.99	1313.07	1341.72	1370.34
66	1031.49	1153.76	1182.99	1212.18	1241.33	1270.85	1289.53	1328.58	1357.61	1386.60
67	1038.18	1166.83	1196.43	1225.99	1255.72	1285.03	1314.46	1343.88	1373.27	1402.64
68	1044.66	1179.71	1209.68	1239.61	1269.91	1299.35	1329.19	1358.77	1388.75	1418.46
69	1050.89	1192.40	1222.74	1253.04	1284.30	1313.52	1343.71	1373.86	1403.96	1434.06
70	1057.14	1204.92	1235.63	1265.29	1298.41	1327.49	1358.04	1388.55	1419.02	1449.47
71	1063.15	1217.27	1248.34	1279.37	1311.35	1341.49	1372.18	1403.05	1433.88	1464.68
72	1069.27	1229.46	1260.89	1292.27	1324.50	1354.89	1386.16	1417.36	1448.54	1479.69
73	1075.49	1241.48	1273.27	1305.00	1338.09	1368.33	1399.44	1431.53	1462.03	1494.52
74	1081.59	1253.35	1285.49	1317.57	1351.41	1381.60	1413.55	1445.47	1477.34	1509.18
75	1087.52	1265.07	1297.56	1329.99	1364.78	1394.71	1427.01	1459.26	1491.48	1523.65
76	1093.28	1276.73	1309.08	1342.38	1377.92	1407.80	1440.99	1473.00	1505.12	1537.92
77	1099.28	1321.54	1359.78	1389.87	1423.95	1457.97	1491.95	1525.87	1559.76	1593.60
78	1105.45	1346.55	1383.57	1414.54	1453.44	1488.28	1523.07	1557.81	1592.50	1627.15
79	1111.79	1374.79	1430.64	1446.42	1482.13	1517.78	1553.37	1588.91	1624.39	1659.83
80	1118.60	1400.33	1466.98	1477.56	1510.06	1546.31	1582.89	1619.71	1655.49	1691.70
81	1124.49	1425.19	1462.64	1500.00	1537.29	1574.51	1611.67	1648.77	1685.81	1722.79
82	1131.18	1449.42	1487.64	1525.79	1563.95	1601.84	1639.76	1677.02	1715.42	1753.16
83	1138.05	1473.04	1512.03	1550.94	1593.97	1629.52	1667.19	1705.80	1744.34	1782.83
84	1145.23	1496.08	1535.84	1578.50	1624.98	1658.24	1694.81	1733.53	1772.62	1811.84
85	1152.49	1518.58	1559.08	1599.49	1659.81	1689.05	1720.20	1760.28	1800.29	1840.23
86	1159.91	1562.01	1604.00	1645.87	1697.65	1729.33	1770.43	1812.44	1853.87	1879.24
87	1167.47	1613.52	1664.95	1699.27	1751.97	1781.57	1819.57	1862.44	1905.31	1948.05
88	1175.28	1662.26	1688.11	1732.82	1777.42	1821.91	1866.29	1910.27	1954.76	1998.86
89	1183.99	1641.36	1727.57	1773.69	1819.05	1865.33	1911.23	1956.89	2002.52	2047.81
90	1192.77	1717.42	1765.52	1812.97	1860.28	1907.46	1954.52	2001.46	2048.29	2093.03
91	1201.95	1763.06	1802.06	1850.73	1899.42	1947.71	1996.27	2048.33	2092.63	2140.44
92	1210.42	1746.86	1837.12	1897.22	1937.15	1986.93	2036.50	2086.09	2135.47	2188.05
93	1219.54	1819.40	1870.97	1922.35	1973.57	2024.62	2075.53	2126.49	2176.92	2227.43
94	1228.70	1850.76	1903.61	1955.29	2008.75	2061.06	2113.20	2165.40	2217.06	2268.79
95	1238.55	1840.49	1935.11	1989.02	2044.75	2096.30	2149.67	2202.09	2255.96	2308.89
96	1248.55	1910.15	1965.53	2020.69	2075.64	2130.41	2189.00	2237.44	2293.69	2347.80
97	1258.40	1946.31	1994.92	2051.31						

TIME (SEC)	5.10	5.20	5.30	5.40	5.50	5.60	5.70	5.80	5.90	6.00
TIME (CM)										
1	159.66	162.40	165.93	169.06	172.19	175.32	178.46	181.59	184.72	187.85
2	229.74	230.17	234.60	239.03	243.46	247.89	252.32	256.75	261.18	265.61
3	276.41	281.35	287.26	292.69	298.12	303.55	308.97	314.40	319.83	325.26
4	319.08	325.15	331.62	337.89	344.16	350.43	356.70	362.97	369.24	375.51
5	376.66	383.47	390.68	397.69	404.70	411.71	418.72	425.73	432.74	439.75
6	390.00	398.20	405.96	413.64	421.32	429.00	436.68	444.36	452.04	459.72
7	421.77	430.08	438.38	446.68	454.98	463.28	471.58	479.87	488.17	496.47
8	450.79	459.66	468.54	477.41	486.29	495.16	504.03	512.91	521.78	530.65
9	478.01	487.43	496.84	506.26	515.67	525.08	534.50	543.91	553.32	562.73
10	503.74	513.67	523.59	533.52	543.44	553.37	563.29	573.21	583.14	593.06
11	528.19	538.60	549.02	559.43	569.84	580.25	590.66	601.07	611.48	621.89
12	551.53	562.41	573.29	584.17	595.05	605.93	616.80	627.68	638.56	649.44
13	573.90	585.23	596.56	607.89	619.21	630.54	641.87	653.20	664.53	675.86
14	595.41	607.17	618.93	630.69	642.44	654.19	665.95	677.71	689.46	701.22
15	616.15	628.33	640.50	652.67	664.84	677.01	689.18	701.34	713.51	725.67
16	636.20	648.77	661.35	673.92	686.49	699.05	711.62	724.19	736.76	749.33
17	655.61	668.57	681.54	694.50	707.46	720.42	733.38	746.34	759.30	772.26
18	674.44	687.74	701.13	714.47	727.81	741.15	754.49	767.82	781.16	794.50
19	692.74	706.45	720.17	733.88	747.59	761.29	775.00	788.71	802.42	816.13
20	710.55	724.63	738.70	752.77	766.84	780.91	794.97	809.04	823.11	837.18
21	727.91	742.34	756.76	771.18	785.60	800.02	814.43	828.84	843.25	857.67
22	744.85	759.62	774.38	789.15	803.91	818.67	833.43	848.19	862.95	877.71
23	761.49	776.61	791.60	806.70	821.79	836.87	851.96	867.04	882.12	897.20
24	777.96	793.00	808.35	823.66	838.97	854.28	869.59	884.90	900.20	915.51
25	793.39	809.15	824.90	840.65	856.40	872.14	887.89	903.64	919.39	935.14
26	808.89	824.96	841.03	857.10	873.16	889.22	905.27	921.33	937.38	953.42
27	824.49	840.98	857.56	874.14	890.72	907.30	923.87	940.45	957.03	973.61
28	839.99	856.60	873.26	889.84	906.42	923.00	939.58	956.16	972.74	989.32
29	855.62	872.41	889.25	906.09	922.92	939.75	956.58	973.41	990.24	1007.07
30	871.49	888.57	905.65	922.73	939.81	956.89	973.97	991.04	1008.12	1025.20
31	887.19	899.68	917.24	934.81	952.36	969.92	987.47	1005.03	1022.58	1040.14
32	895.48	913.84	931.70	949.54	967.39	985.23	1003.08	1020.92	1038.77	1056.61
33	909.94	927.78	945.91	964.04	982.17	1000.29	1018.42	1036.55	1054.67	1072.79
34	923.08	941.50	959.91	978.31	996.71	1015.11	1033.50	1051.89	1070.27	1088.65
35	936.31	955.00	973.69	992.37	1011.04	1029.71	1048.37	1067.03	1085.68	1104.33
36	949.35	968.31	987.26	1006.21	1025.15	1044.09	1063.02	1081.75	1100.47	1119.79
37	962.19	981.42	1000.64	1019.85	1039.06	1058.26	1077.46	1096.65	1115.84	1135.02
38	974.95	994.34	1013.82	1033.30	1052.77	1072.24	1091.59	1111.15	1130.60	1150.04
39	987.34	1007.09	1026.63	1046.37	1065.67	1084.02	1102.74	1123.45	1145.15	1164.85
40	999.65	1019.66	1039.66	1059.65	1079.04	1097.62	1117.59	1139.35	1159.52	1179.47
41	1011.91	1032.07	1052.32	1072.57	1092.80	1113.04	1133.26	1153.48	1173.69	1193.90
42	1023.91	1044.32	1064.82	1085.31	1105.80	1126.23	1146.70	1167.23	1187.67	1208.15
43	1035.91	1056.41	1076.91	1097.40	1118.64	1139.37	1160.09	1180.83	1201.91	1222.21
44	1047.35	1068.36	1088.35	1108.34	1131.24	1152.29	1173.25	1194.21	1215.16	1236.11
45	1058.91	1080.16	1101.34	1122.62	1143.84	1165.05	1186.26	1207.46	1228.66	1249.84
46	1070.35	1091.82	1113.24	1134.76	1156.22	1177.68	1199.12	1220.36	1241.99	1263.42
47	1081.82	1103.34	1125.06	1146.76	1168.46	1190.15	1211.93	1235.17	1257.83	1276.83
48	1092.78	1114.74	1136.69	1168.83	1189.76	1202.44	1224.40	1248.31	1272.41	1290.14
49	1103.91	1126.01	1148.19	1170.36	1192.33	1214.09	1236.83	1259.77	1283.10	1303.25
50	1114.73	1137.15	1159.57	1191.97	1204.36	1226.75	1249.13	1271.50	1293.86	1316.21
52	1136.21	1159.09	1181.96	1204.82	1227.66	1250.50	1273.33	1296.15	1318.97	1341.77
53	1157.25	1180.57	1203.89	1227.19	1250.44	1273.77	1297.15	1320.31	1343.57	1366.82
54	1177.66	1201.53	1225.39	1249.13	1272.96	1296.38	1320.29	1344.03	1367.69	1391.37
55	1198.08	1222.64	1246.87	1270.65	1294.98	1318.96	1343.10	1367.23	1391.35	1415.47
60	1217.92	1242.55	1267.16	1291.76	1316.35	1340.93	1365.49	1390.44	1414.59	1439.12
62	1237.41	1262.45	1287.48	1312.50	1337.71	1362.50	1387.43	1412.45	1437.41	1462.36
64	1256.35	1281.81	1307.45	1332.88	1358.30	1383.70	1409.09	1434.47	1459.84	1485.19
66	1275.36	1301.22	1327.08	1352.91	1378.73	1404.23	1429.51	1454.52	1480.00	1505.65
68	1293.85	1320.12	1346.38	1372.61	1398.98	1425.00	1451.24	1477.42	1503.59	1529.74
70	1312.85	1339.72	1365.37	1392.00	1418.62	1445.42	1471.81	1498.20	1524.94	1551.69
72	1329.46	1357.02	1384.06	1411.04	1438.09	1465.08	1492.06	1519.02	1545.97	1572.90
74	1347.60	1375.04	1402.47	1429.88	1457.27	1484.64	1512.04	1539.29	1566.06	1592.80
76	1364.97	1392.79	1420.60	1448.39	1476.15	1503.42	1531.25	1559.20	1587.00	1614.78
78	1382.00	1410.28	1438.47	1465.63	1494.08	1522.91	1551.02	1579.12	1607.20	1635.27
80	1398.95	1427.53	1456.08	1484.62	1513.14	1541.64	1570.12	1598.39	1627.04	1655.47
82	1415.58	1444.53	1473.45	1502.36	1531.24	1560.11	1589.06	1617.73	1646.60	1675.40
84	1431.98	1461.29	1490.58	1519.85	1560.10	1578.33	1607.54	1636.73	1665.91	1695.07
86	1448.16	1477.83	1507.44	1537.12	1566.72	1596.31	1625.99	1655.43	1684.96	1714.88
88	1464.12	1494.16	1524.17	1554.15	1584.12	1614.05	1643.40	1672.82	1703.77	1733.64
90	1479.68	1510.27	1540.64	1570.97	1601.24	1631.39	1661.86	1692.11	1722.35	1752.56
92	1495.44	1526.18	1556.90	1597.58	1618.25	1648.87	1679.51	1710.11	1740.69	1771.26
94	1510.81	1541.90	1572.46	1603.99	1635.09	1665.94	1696.65	1727.93	1758.82	1789.72
96	1525.97	1557.42	1588.82	1629.20	1661.29	1692.80	1724.19	1754.47	1784.73	1814.98
98	1540.94	1572.76	1604.50	1636.22	1688.91	1720.37	1751.22	1782.64	1813.44	1844.02
100	1555.30	1597.91	1629.99	1652.05	1694.07	1736.09	1767.05	1798.01	1831.94	1863.89
105	1592.10	1625.05	1657.96	1690.84	1723.70	1756.53	1789.33	1822.13	1854.86	1887.59
110	1627.40	1661.16	1694.89	1728.59	1762.25	1795.84	1829.49	1863.08	1896.65	1930.16
115	1661.75	1696.32	1730.85	1765.34	1799.80	1834.23	1868.65	1903.04	1937.34	1971.66
120	1695.23	1730.58	1765.89	1801.17	1836.41	1871.62	1906.79	1941.94	1977.05	2012.14
125	1727.87	1764.00	1800.08	1835.13	1870.13	1905.10	1940.04	1974.95	2010.82	2046.67
130	1759.73	1796.62	1833.46	1870.26	1907.02	1943.74	1980.43	2017.04	2053.50	2090.29
135	1790.84	1828.48	1866.07	1903.62	1941.12	1978.59	2016.01	2053.29	2090.75	2128.07
140	1821.26	1859.63	1897.96	1936.23	1974.47	2012.66	2050.81	2088.92	2127.00	2165.04
145	1851.00	1890.10	1929.15	1968.15	2007.11	2046.01	2084.89	2123.71	2162.44	2201.25
150	1880.11	1919.93	1959.69	1999.40	2038.97	2078.68	2118.25	2157.78	2197.47	2236.72
160	1936.55	1977.76	2018.92	2059.03	2101.08	2142.04	2183.04	2223.95	2264.81	2305.63
170	1990.73	2033.33	2075.86	2118.33	2160.74	2203.09	2245.40	2287.64	2329.85	2372.00
180	2044.68	2088.60	2130.49	2172.49	2214.43	2256.31	2298.15	2340.04	2381.95	2423.86
190	2098.19	2142.41	2184.56	2226.67	2268.74	2310.79	2352.84	2394.84	2436.86	2478.86
200	2143.66	2188.21	2231.67	2274.05	2316.35	2358.59	2400.79	2442.95	2485.09	2527.86
210	2188.55	2236.36	2284.08	2331.71	2379.26	2426.73	2474.13	2521.46	2568.73	2615.93
220	2243.40	2292.96	2341.41	2388.78	2436.09	2483.34	2530.54	2577.71	2624.81	2671.87
230	2297.72	2348.10	2395.27	2442.35	2489.33	2536.22	2583.03	2629.79	2676.49	2723.06
240	2351.99	2403.87	2452.25	2499.51	2546.68	2593.75	2640.74	2687.67	2734.44	2781.16
250	2406.04	2458.36	2506.91	2554.35	2601.71					

TIME (SEC)	6.10	6.20	6.30	6.40	6.50	6.60	6.70	6.80	6.90	7.00
TIME (CM)										
1	190.99	194.12	197.25	200.38	203.51	206.65	209.78	212.91	216.04	219.17
2	170.05	173.18	176.31	179.44	182.57	185.70	188.83	191.96	195.09	198.22
3	150.10	153.23	156.36	159.49	162.62	165.75	168.88	172.01	175.14	178.27
4	130.15	133.28	136.41	139.54	142.67	145.80	148.93	152.06	155.19	158.32
5	110.20	113.33	116.46	119.59	122.72	125.85	128.98	132.11	135.24	138.37
6	90.25	93.38	96.51	99.64	102.77	105.90	109.03	112.16	115.29	118.42
7	70.30	73.43	76.56	79.69	82.82	85.95	89.08	92.21	95.34	98.47
8	50.35	53.48	56.61	59.74	62.87	66.00	69.13	72.26	75.39	78.52
9	30.40	33.53	36.66	39.79	42.92	46.05	49.18	52.31	55.44	58.57
10	10.45	13.58	16.71	19.84	22.97	26.10	29.23	32.36	35.49	38.62
11	62.30	64.70	67.10	69.51	71.91	74.32	76.72	79.13	81.53	83.94
12	60.40	61.16	61.92	62.68	63.44	64.20	64.96	65.72	66.48	67.24
13	60.71	60.98	61.25	61.52	61.79	62.06	62.33	62.60	62.87	63.14
14	61.29	61.69	62.09	62.49	62.89	63.29	63.69	64.09	64.49	64.89
15	61.73	62.19	62.65	63.11	63.57	64.03	64.49	64.95	65.41	65.87
16	61.81	62.19	62.57	62.95	63.33	63.71	64.09	64.47	64.85	65.23
17	60.71	61.19	61.67	62.15	62.63	63.11	63.59	64.07	64.55	65.03
18	60.41	60.99	61.57	62.15	62.73	63.31	63.89	64.47	65.05	65.63
19	60.11	60.69	61.27	61.85	62.43	63.01	63.59	64.17	64.75	65.33
20	59.81	60.39	60.97	61.55	62.13	62.71	63.29	63.87	64.45	65.03
21	59.51	60.09	60.67	61.25	61.83	62.41	62.99	63.57	64.15	64.73
22	59.21	59.79	60.37	60.95	61.53	62.11	62.69	63.27	63.85	64.43
23	58.91	59.49	60.07	60.65	61.23	61.81	62.39	62.97	63.55	64.13
24	58.61	59.19	59.77	60.35	60.93	61.51	62.09	62.67	63.25	63.83
25	58.31	58.89	59.47	60.05	60.63	61.21	61.79	62.37	62.95	63.53
26	58.01	58.59	59.17	59.75	60.33	60.91	61.49	62.07	62.65	63.23
27	57.71	58.29	58.87	59.45	60.03	60.61	61.19	61.77	62.35	62.93
28	57.41	57.99	58.57	59.15	59.73	60.31	60.89	61.47	62.05	62.63
29	57.11	57.69	58.27	58.85	59.43	60.01	60.59	61.17	61.75	62.33
30	56.81	57.39	57.97	58.55	59.13	59.71	60.29	60.87	61.45	62.03
31	56.51	57.09	57.67	58.25	58.83	59.41	60.00	60.58	61.16	61.74
32	56.21	56.79	57.37	57.95	58.53	59.11	59.69	60.27	60.85	61.43
33	55.91	56.49	57.07	57.65	58.23	58.81	59.39	59.97	60.55	61.13
34	55.61	56.19	56.77	57.35	57.93	58.51	59.09	59.67	60.25	60.83
35	55.31	55.89	56.47	57.05	57.63	58.21	58.79	59.37	59.95	60.53
36	55.01	55.59	56.17	56.75	57.33	57.91	58.49	59.07	59.65	60.23
37	54.71	55.29	55.87	56.45	57.03	57.61	58.19	58.77	59.35	59.93
38	54.41	54.99	55.57	56.15	56.73	57.31	57.89	58.47	59.05	59.63
39	54.11	54.69	55.27	55.85	56.43	57.01	57.59	58.17	58.75	59.33
40	53.81	54.39	54.97	55.55	56.13	56.71	57.29	57.87	58.45	59.03
41	53.51	54.09	54.67	55.25	55.83	56.41	56.99	57.57	58.15	58.73
42	53.21	53.79	54.37	54.95	55.53	56.11	56.69	57.27	57.85	58.43
43	52.91	53.49	54.07	54.65	55.23	55.81	56.39	56.97	57.55	58.13
44	52.61	53.19	53.77	54.35	54.93	55.51	56.09	56.67	57.25	57.83
45	52.31	52.89	53.47	54.05	54.63	55.21	55.79	56.37	56.95	57.53
46	52.01	52.59	53.17	53.75	54.33	54.91	55.49	56.07	56.65	57.23
47	51.71	52.29	52.87	53.45	54.03	54.61	55.19	55.77	56.35	56.93
48	51.41	51.99	52.57	53.15	53.73	54.31	54.89	55.47	56.05	56.63
49	51.11	51.69	52.27	52.85	53.43	54.01	54.59	55.17	55.75	56.33
50	50.81	51.39	51.97	52.55	53.13	53.71	54.29	54.87	55.45	56.03
51	50.51	51.09	51.67	52.25	52.83	53.41	53.99	54.57	55.15	55.73
52	50.21	50.79	51.37	51.95	52.53	53.11	53.69	54.27	54.85	55.43
53	49.91	50.49	51.07	51.65	52.23	52.81	53.39	53.97	54.55	55.13
54	49.61	50.19	50.77	51.35	51.93	52.51	53.09	53.67	54.25	54.83
55	49.31	49.89	50.47	51.05	51.63	52.21	52.79	53.37	53.95	54.53
56	49.01	49.59	50.17	50.75	51.33	51.91	52.49	53.07	53.65	54.23
57	48.71	49.29	49.87	50.45	51.03	51.61	52.19	52.77	53.35	53.93
58	48.41	48.99	49.57	50.15	50.73	51.31	51.89	52.47	53.05	53.63
59	48.11	48.69	49.27	49.85	50.43	51.01	51.59	52.17	52.75	53.33
60	47.81	48.39	48.97	49.55	50.13	50.71	51.29	51.87	52.45	53.03
61	47.51	48.09	48.67	49.25	49.83	50.41	50.99	51.57	52.15	52.73
62	47.21	47.79	48.37	48.95	49.53	50.11	50.69	51.27	51.85	52.43
63	46.91	47.49	48.07	48.65	49.23	49.81	50.39	50.97	51.55	52.13
64	46.61	47.19	47.77	48.35	48.93	49.51	50.09	50.67	51.25	51.83
65	46.31	46.89	47.47	48.05	48.63	49.21	49.79	50.37	50.95	51.53
66	46.01	46.59	47.17	47.75	48.33	48.91	49.49	50.07	50.65	51.23
67	45.71	46.29	46.87	47.45	48.03	48.61	49.19	49.77	50.35	50.93
68	45.41	45.99	46.57	47.15	47.73	48.31	48.89	49.47	50.05	50.63
69	45.11	45.69	46.27	46.85	47.43	48.01	48.59	49.17	49.75	50.33
70	44.81	45.39	45.97	46.55	47.13	47.71	48.29	48.87	49.45	50.03
71	44.51	45.09	45.67	46.25	46.83	47.41	47.99	48.57	49.15	49.73
72	44.21	44.79	45.37	45.95	46.53	47.11	47.69	48.27	48.85	49.43
73	43.91	44.49	45.07	45.65	46.23	46.81	47.39	47.97	48.55	49.13
74	43.61	44.19	44.77	45.35	45.93	46.51	47.09	47.67	48.25	48.83
75	43.31	43.89	44.47	45.05	45.63	46.21	46.79	47.37	47.95	48.53
76	43.01	43.59	44.17	44.75	45.33	45.91	46.49	47.07	47.65	48.23
77	42.71	43.29	43.87	44.45	45.03	45.61	46.19	46.77	47.35	47.93
78	42.41	42.99	43.57	44.15	44.73	45.31	45.89	46.47	47.05	47.63
79	42.11	42.69	43.27	43.85	44.43	45.01	45.59	46.17	46.75	47.33
80	41.81	42.39	42.97	43.55	44.13	44.71	45.29	45.87	46.45	47.03
81	41.51	42.09	42.67	43.25	43.83	44.41	44.99	45.57	46.15	46.73
82	41.21	41.79	42.37	42.95	43.53	44.11	44.69	45.27	45.85	46.43
83	40.91	41.49	42.07	42.65	43.23	43.81	44.39	44.97	45.55	46.13
84	40.61	41.19	41.77	42.35	42.93	43.51	44.09	44.67	45.25	45.83
85	40.31	40.89	41.47	42.05	42.63	43.21	43.79	44.37	44.95	45.53
86	40.01	40.59	41.17	41.75	42.33	42.91	43.49	44.07	44.65	45.23
87	39.71	40.29	40.87	41.45	42.03	42.61	43.19	43.77	44.35	44.93
88	39.41	39.99	40.57	41.15	41.73	42.31	42.89	43.47	44.05	44.63
89	39.11	39.69	40.27	40.85	41.43	42.01	42.59	43.17	43.75	44.33
90	38.81	39.39	39.97	40.55	41.13	41.71	42.29	42.87	43.45	44.03
91	38.51	39.09	39.67	40.25	40.83	41.41	41.99	42.57	43.15	43.73
92	38.21	38.79	39.37	39.95	40.53	41.11	41.69	42.27	42.85	43.43
93	37.91	38.49	39.07	39.65	40.23	40.81	41.39	41.97	42.55	43.13
94	37.61	38.19	38.77	39.35	39.93	40.51	41.09	41.67	42.25	42.83
95	37.31	37.89	38.47	39.05	39.63	40.21	40.79	41.37	41.95	42.53
96	37.01	37.59	38.17	38.75	39.33	39.91	40.49	41.07	41.65	42.23
97	36.71	37.29	37.87	38.45	39.03	39.61	40.19	40.77	41.35	41.93
98	36.41	36.99	37.57	38.15	38.73	39.31	39.89	40.47	41.05	41.63
99	36.11	36.69	37.27	37.85	38.43	39.01	39.59	40.17	40.75	41.33
100	35.81	36.39	36.97	37.55	38.13	38.71	39.29	39.87	40.45	41.03
101	35.51	36.09	36.67	37.25	37.83	38.41	38.99	39.57	40.15	40.73
102	35.21	35.79	36.37	36.95	37.53	38.11	38.69	39.27	39.85	40.43
103	34.91	35.49	36.07	36.65	37.23	37.81	38.39	38.97	39.55	40.13
104	34.61	35.19	35.77	36.35	36.93	37.51	38.09	38.67	39.25	39.83
105	34.31	34.89	35.47	36.05	36.63	37.21	37.79	38.37	38.95	39.53
106	34.01	34.59	35.17	35.75	36.33	36.91	37.49	38.07	38.65	39.23
107	33.71	34.29	34.87	35.45	36.03	36.61	37.19	37.77	38.35	38.93
108	33.41	33.99	34.57	35.15	35.73	36.31	36.89	37.47	38.05	38.63

Wavelength (cm)	7.10	7.20	7.30	7.40	7.50	7.60	7.70	7.80	7.90	8.00
1	222.31	225.44	229.57	231.70	234.83	237.97	241.10	244.23	247.36	250.49
2	314.55	318.78	323.01	327.24	331.47	335.70	340.00	344.23	348.46	352.69
3	406.79	411.02	415.25	419.48	423.71	427.94	432.17	436.40	440.63	444.86
4	498.93	503.16	507.39	511.62	515.85	520.08	524.31	528.54	532.77	537.00
5	590.17	594.40	598.63	602.86	607.09	611.32	615.55	619.78	624.01	628.24
6	682.31	686.54	690.77	695.00	699.23	703.46	707.69	711.92	716.15	720.38
7	774.45	778.68	782.91	787.14	791.37	795.60	799.83	804.06	808.29	812.52
8	866.59	870.82	875.05	879.28	883.51	887.74	891.97	896.20	900.43	904.66
9	958.73	962.96	967.19	971.42	975.65	979.88	984.11	988.34	992.57	996.80
10	1050.87	1055.10	1059.33	1063.56	1067.79	1072.02	1076.25	1080.48	1084.71	1088.94
11	1143.01	1147.24	1151.47	1155.70	1159.93	1164.16	1168.39	1172.62	1176.85	1181.08
12	1235.15	1239.38	1243.61	1247.84	1252.07	1256.30	1260.53	1264.76	1268.99	1273.22
13	1327.29	1331.52	1335.75	1340.00	1344.23	1348.46	1352.69	1356.92	1361.15	1365.38
14	1419.43	1423.66	1427.89	1432.12	1436.35	1440.58	1444.81	1449.04	1453.27	1457.50
15	1511.57	1515.80	1520.03	1524.26	1528.49	1532.72	1536.95	1541.18	1545.41	1549.64
16	1603.71	1607.94	1612.17	1616.40	1620.63	1624.86	1629.09	1633.32	1637.55	1641.78
17	1695.85	1700.08	1704.31	1708.54	1712.77	1717.00	1721.23	1725.46	1729.69	1733.92
18	1788.00	1792.23	1796.46	1800.69	1804.92	1809.15	1813.38	1817.61	1821.84	1826.07
19	1880.14	1884.37	1888.60	1892.83	1897.06	1901.29	1905.52	1909.75	1913.98	1918.21
20	1972.29	1976.52	1980.75	1984.98	1989.21	1993.44	1997.67	2001.90	2006.13	2010.36
21	2064.43	2068.66	2072.89	2077.12	2081.35	2085.58	2089.81	2094.04	2098.27	2102.50
22	2156.57	2160.80	2165.03	2169.26	2173.49	2177.72	2181.95	2186.18	2190.41	2194.64
23	2248.71	2252.94	2257.17	2261.40	2265.63	2269.86	2274.09	2278.32	2282.55	2286.78
24	2340.85	2345.08	2349.31	2353.54	2357.77	2362.00	2366.23	2370.46	2374.69	2378.92
25	2433.00	2437.23	2441.46	2445.69	2449.92	2454.15	2458.38	2462.61	2466.84	2471.07
26	2525.14	2529.37	2533.60	2537.83	2542.06	2546.29	2550.52	2554.75	2558.98	2563.21
27	2617.29	2621.52	2625.75	2630.00	2634.23	2638.46	2642.69	2646.92	2651.15	2655.38
28	2709.43	2713.66	2717.89	2722.12	2726.35	2730.58	2734.81	2739.04	2743.27	2747.50
29	2801.57	2805.80	2810.03	2814.26	2818.49	2822.72	2826.95	2831.18	2835.41	2839.64
30	2893.71	2897.94	2902.17	2906.40	2910.63	2914.86	2919.09	2923.32	2927.55	2931.78
31	2985.85	2990.08	2994.31	2998.54	3002.77	3007.00	3011.23	3015.46	3019.69	3023.92
32	3078.00	3082.23	3086.46	3090.69	3094.92	3099.15	3103.38	3107.61	3111.84	3116.07
33	3170.14	3174.37	3178.60	3182.83	3187.06	3191.29	3195.52	3199.75	3203.98	3208.21
34	3262.29	3266.52	3270.75	3274.98	3279.21	3283.44	3287.67	3291.90	3296.13	3300.36
35	3354.43	3358.66	3362.89	3367.12	3371.35	3375.58	3379.81	3384.04	3388.27	3392.50
36	3446.57	3450.80	3455.03	3459.26	3463.49	3467.72	3471.95	3476.18	3480.41	3484.64
37	3538.71	3542.94	3547.17	3551.40	3555.63	3559.86	3564.09	3568.32	3572.55	3576.78
38	3630.85	3635.08	3639.31	3643.54	3647.77	3652.00	3656.23	3660.46	3664.69	3668.92
39	3723.00	3727.23	3731.46	3735.69	3739.92	3744.15	3748.38	3752.61	3756.84	3761.07
40	3815.14	3819.37	3823.60	3827.83	3832.06	3836.29	3840.52	3844.75	3848.98	3853.21
41	3907.29	3911.52	3915.75	3920.00	3924.23	3928.46	3932.69	3936.92	3941.15	3945.38
42	4000.00	4004.23	4008.46	4012.69	4016.92	4021.15	4025.38	4029.61	4033.84	4038.07
43	4092.14	4096.37	4100.60	4104.83	4109.06	4113.29	4117.52	4121.75	4125.98	4130.21
44	4184.29	4188.52	4192.75	4196.98	4201.21	4205.44	4209.67	4213.90	4218.13	4222.36
45	4276.43	4280.66	4284.89	4289.12	4293.35	4297.58	4301.81	4306.04	4310.27	4314.50
46	4368.57	4372.80	4377.03	4381.26	4385.49	4389.72	4393.95	4398.18	4402.41	4406.64
47	4460.71	4464.94	4469.17	4473.40	4477.63	4481.86	4486.09	4490.32	4494.55	4498.78
48	4552.85	4557.08	4561.31	4565.54	4569.77	4574.00	4578.23	4582.46	4586.69	4590.92
49	4645.00	4649.23	4653.46	4657.69	4661.92	4666.15	4670.38	4674.61	4678.84	4683.07
50	4737.14	4741.37	4745.60	4749.83	4754.06	4758.29	4762.52	4766.75	4770.98	4775.21
51	4829.29	4833.52	4837.75	4841.98	4846.21	4850.44	4854.67	4858.90	4863.13	4867.36
52	4921.43	4925.66	4929.89	4934.12	4938.35	4942.58	4946.81	4951.04	4955.27	4959.50
53	5013.57	5017.80	5022.03	5026.26	5030.49	5034.72	5038.95	5043.18	5047.41	5051.64
54	5105.71	5109.94	5114.17	5118.40	5122.63	5126.86	5131.09	5135.32	5139.55	5143.78
55	5197.85	5202.08	5206.31	5210.54	5214.77	5219.00	5223.23	5227.46	5231.69	5235.92
56	5290.00	5294.23	5298.46	5302.69	5306.92	5311.15	5315.38	5319.61	5323.84	5328.07
57	5382.14	5386.37	5390.60	5394.83	5399.06	5403.29	5407.52	5411.75	5415.98	5420.21
58	5474.29	5478.52	5482.75	5486.98	5491.21	5495.44	5499.67	5503.90	5508.13	5512.36
59	5566.43	5570.66	5574.89	5579.12	5583.35	5587.58	5591.81	5596.04	5600.27	5604.50
60	5658.57	5662.80	5667.03	5671.26	5675.49	5679.72	5683.95	5688.18	5692.41	5696.64
61	5750.71	5754.94	5759.17	5763.40	5767.63	5771.86	5776.09	5780.32	5784.55	5788.78
62	5842.85	5847.08	5851.31	5855.54	5859.77	5864.00	5868.23	5872.46	5876.69	5880.92
63	5935.00	5939.23	5943.46	5947.69	5951.92	5956.15	5960.38	5964.61	5968.84	5973.07
64	6027.14	6031.37	6035.60	6039.83	6044.06	6048.29	6052.52	6056.75	6060.98	6065.21
65	6119.29	6123.52	6127.75	6131.98	6136.21	6140.44	6144.67	6148.90	6153.13	6157.36
66	6211.43	6215.66	6219.89	6224.12	6228.35	6232.58	6236.81	6241.04	6245.27	6249.50
67	6303.57	6307.80	6312.03	6316.26	6320.49	6324.72	6328.95	6333.18	6337.41	6341.64
68	6395.71	6400.00	6404.23	6408.46	6412.69	6416.92	6421.15	6425.38	6429.61	6433.84
69	6487.85	6492.08	6496.31	6500.54	6504.77	6509.00	6513.23	6517.46	6521.69	6525.92
70	6580.00	6584.23	6588.46	6592.69	6596.92	6601.15	6605.38	6609.61	6613.84	6618.07
71	6672.14	6676.37	6680.60	6684.83	6689.06	6693.29	6697.52	6701.75	6705.98	6710.21
72	6764.29	6768.52	6772.75	6776.98	6781.21	6785.44	6789.67	6793.90	6798.13	6802.36
73	6856.43	6860.66	6864.89	6869.12	6873.35	6877.58	6881.81	6886.04	6890.27	6894.50
74	6948.57	6952.80	6957.03	6961.26	6965.49	6969.72	6973.95	6978.18	6982.41	6986.64
75	7040.71	7044.94	7049.17	7053.40	7057.63	7061.86	7066.09	7070.32	7074.55	7078.78
76	7132.85	7137.08	7141.31	7145.54	7149.77	7154.00	7158.23	7162.46	7166.69	7170.92
77	7225.00	7229.23	7233.46	7237.69	7241.92	7246.15	7250.38	7254.61	7258.84	7263.07
78	7317.14	7321.37	7325.60	7329.83	7334.06	7338.29	7342.52	7346.75	7350.98	7355.21
79	7409.29	7413.52	7417.75	7421.98	7426.21	7430.44	7434.67	7438.90	7443.13	7447.36
80	7501.43	7505.66	7509.89	7514.12	7518.35	7522.58	7526.81	7531.04	7535.27	7539.50
81	7593.57	7597.80	7602.03	7606.26	7610.49	7614.72	7618.95	7623.18	7627.41	7631.64
82	7685.71	7689.94	7694.17	7698.40	7702.63	7706.86	7711.09	7715.32	7719.55	7723.78
83	7777.85	7782.08	7786.31	7790.54	7794.77	7799.00	7803.23	7807.46	7811.69	7815.92
84	7870.00	7874.23	7878.46	7882.69	7886.92	7891.15	7895.38	7899.61	7903.84	7908.07
85	7962.14	7966.37	7970.60	7974.83	7979.06	7983.29	7987.52	7991.75	7995.98	8000.21
86	8054.29	8058.52	8062.75	8066.98	8071.21	8075.44	8079.67	8083.90	8088.13	8092.36
87	8146.43	8150.66	8154.89	8159.12	8163.35	8167.58	8171.81	8176.04	8180.27	8184.50
88	8238.57	8242.80	8247.03	8251.26	8255.49	8259.72	8263.95	8268.18	8272.41	8276.64
89	8330.71	8334.94	8339.17	8343.40	8347.63	8351.86	8356.09	8360.32	8364.55	8368.78
90	8422.85	8427.08	8431.31	8435.54	8439.77	8444.00	8448.23	8452.46	8456.69	8460.92
91	8515.00	8519.23	8523.46	8527.69	8531.92	8536.15	8540.38	8544.61	8548.84	8553.07
92	8607.14	8611.37	8615.60	8619.83	8624.06	8628.29	8632.52	8636.75	8640.98	8645.21
93	8699.29	8703.52	8707.75	8711.98	8716.21	8720.44	8724.67	8728.90	8733.13	8737.36
94	8791.43	8795.66	8799.89							

時間 (SEC)	8.10	8.20	8.30	8.40	8.50	8.60	8.70	8.80	8.90	9.00
1	253.63	256.76	259.89	263.02	266.15	269.28	272.42	275.55	278.68	281.81
2	398.65	363.08	367.50	371.93	376.36	380.79	385.22	389.65	394.08	398.51
3	439.21	484.63	450.06	455.48	460.91	466.33	471.76	477.18	482.61	488.04
4	507.10	513.40	519.63	525.90	532.16	538.43	544.69	550.96	557.22	563.49
5	566.90	573.90	580.91	587.91	594.92	601.93	608.93	615.94	622.94	629.95
6	629.44	628.62	636.29	643.97	651.64	659.32	666.99	674.67	682.34	690.02
7	670.63	678.92	687.21	695.50	703.79	712.08	720.37	728.66	736.95	745.24
8	716.86	725.72	734.59	743.45	752.31	761.18	770.04	778.90	787.77	796.63
9	760.26	769.67	779.07	788.47	797.87	807.28	816.68	826.08	835.48	844.89
10	801.31	811.22	821.13	831.04	840.96	850.87	860.78	870.69	880.60	890.51
11	880.33	850.73	861.13	871.52	881.92	892.32	902.71	913.11	923.51	933.90
12	877.61	889.47	899.33	910.19	921.05	931.91	942.77	953.63	964.49	975.35
13	913.35	928.66	939.96	947.27	956.57	966.88	978.18	989.48	1000.79	1012.09
14	947.73	959.46	971.20	982.93	994.66	1006.40	1018.14	1029.88	1041.59	1053.32
15	980.89	993.04	1005.19	1017.33	1029.48	1041.62	1053.77	1065.91	1078.06	1090.20
16	1012.46	1025.51	1038.05	1050.60	1063.14	1075.67	1088.21	1100.74	1113.28	1125.86
17	1044.03	1056.46	1068.90	1082.33	1095.76	1109.19	1122.62	1136.05	1149.48	1162.91
18	1078.19	1087.50	1100.81	1114.11	1127.42	1140.73	1154.04	1167.35	1180.65	1193.96
19	1103.51	1117.18	1130.86	1144.54	1158.21	1171.89	1185.56	1199.24	1212.91	1226.57
20	1132.06	1146.09	1160.12	1174.16	1188.19	1202.22	1216.26	1230.29	1244.31	1258.33
21	1159.40	1174.28	1189.66	1203.04	1217.42	1231.80	1246.17	1260.55	1274.93	1289.30
22	1187.07	1203.79	1218.51	1231.23	1245.95	1260.67	1275.39	1290.11	1304.82	1319.54
23	1213.63	1228.68	1243.73	1258.78	1273.83	1288.88	1303.93	1318.98	1334.03	1349.08
24	1241.24	1254.94	1270.36	1285.73	1301.11	1316.49	1331.86	1347.23	1362.61	1377.99
25	1265.03	1280.73	1296.43	1312.12	1327.82	1343.51	1359.20	1374.89	1390.59	1406.28
26	1289.45	1305.98	1321.97	1337.98	1353.99	1369.99	1386.00	1402.00	1418.01	1434.01
27	1314.01	1330.47	1347.02	1363.34	1379.65	1395.96	1412.28	1428.59	1444.90	1461.21
28	1338.37	1354.94	1371.61	1388.22	1404.88	1421.45	1438.06	1454.67	1471.28	1487.89
29	1361.42	1378.84	1395.75	1412.66	1429.57	1446.48	1463.39	1480.29	1497.20	1514.11
30	1385.06	1402.27	1419.47	1436.67	1453.87	1471.07	1488.27	1505.47	1522.67	1539.86
31	1407.41	1425.30	1442.79	1460.28	1477.77	1495.25	1512.74	1530.22	1547.70	1565.18
32	1430.19	1447.97	1465.74	1483.51	1501.27	1519.04	1536.81	1554.57	1572.34	1590.10
33	1452.22	1470.97	1489.32	1508.36	1527.41	1546.45	1565.50	1584.54	1603.58	1622.62
34	1473.91	1492.23	1510.55	1528.87	1547.19	1565.51	1583.83	1602.14	1620.46	1638.78
35	1495.27	1513.86	1532.46	1551.04	1569.63	1588.22	1606.80	1625.39	1643.97	1662.55
36	1516.35	1535.19	1554.04	1572.90	1591.75	1610.60	1629.45	1648.30	1667.15	1685.99
37	1537.09	1556.21	1575.32	1594.44	1613.55	1632.67	1651.78	1670.89	1689.99	1709.11
38	1557.56	1576.94	1596.31	1615.69	1635.06	1654.43	1673.80	1693.17	1712.54	1731.90
39	1577.79	1597.39	1617.02	1636.65	1656.28	1675.91	1695.53	1715.16	1734.78	1754.40
40	1597.69	1617.58	1637.46	1657.34	1677.22	1697.10	1716.98	1736.86	1756.73	1776.60
41	1617.37	1637.51	1657.64	1677.77	1697.90	1718.03	1738.16	1758.28	1778.40	1798.52
42	1636.81	1657.19	1677.57	1697.95	1718.32	1738.70	1759.07	1779.44	1799.81	1820.17
43	1656.01	1676.64	1697.26	1717.88	1738.50	1759.11	1779.73	1800.34	1820.95	1841.56
44	1674.93	1695.85	1716.71	1737.57	1758.43	1779.29	1800.14	1821.00	1841.85	1862.70
45	1693.74	1714.84	1735.94	1757.04	1778.14	1799.23	1820.32	1841.41	1862.50	1883.59
46	1712.44	1733.62	1754.80	1776.29	1797.62	1818.95	1840.27	1861.60	1882.92	1904.24
47	1731.01	1752.14	1773.27	1794.32	1815.38	1836.44	1857.50	1878.56	1899.61	1920.67
48	1749.75	1770.55	1792.35	1814.14	1835.94	1857.73	1879.52	1901.31	1923.09	1944.87
49	1768.69	1788.72	1810.74	1832.77	1854.79	1876.81	1898.83	1920.84	1942.85	1964.87
50	1788.44	1808.70	1829.95	1851.20	1872.45	1893.69	1914.93	1936.17	1957.41	1978.65
52	1819.43	1842.10	1864.80	1887.50	1910.19	1932.88	1955.57	1978.25	2000.94	2023.62
54	1853.60	1876.82	1899.99	1923.09	1946.21	1969.34	1992.46	2015.59	2038.70	2061.82
55	1887.31	1910.46	1933.44	1956.00	1978.28	2000.56	2022.84	2045.11	2067.39	2089.67
58	1920.32	1944.31	1968.29	1992.24	2016.26	2040.23	2064.21	2088.18	2112.14	2136.11
60	1952.74	1977.15	2001.55	2025.95	2050.34	2074.73	2099.12	2123.50	2147.89	2172.26
62	1988.61	2009.43	2030.24	2051.04	2071.84	2092.64	2113.44	2134.23	2155.03	2175.80
64	2018.96	2041.17	2063.38	2085.59	2107.79	2129.99	2152.19	2174.39	2196.59	2218.76
66	2046.74	2072.40	2098.01	2123.61	2149.21	2174.80	2200.40	2225.99	2251.57	2277.15
68	2077.14	2103.14	2129.14	2155.13	2181.12	2207.11	2233.10	2259.09	2285.08	2311.07
70	2107.03	2133.42	2159.80	2186.18	2212.55	2238.92	2265.29	2291.66	2318.03	2344.36
72	2136.44	2163.25	2190.01	2216.76	2243.52	2270.26	2297.01	2323.75	2350.49	2377.22
74	2165.90	2192.64	2219.38	2246.11	2272.84	2300.00	2327.16	2354.39	2381.62	2408.84
76	2194.12	2221.63	2249.14	2276.64	2304.13	2331.62	2359.11	2386.59	2414.07	2441.54
78	2222.34	2250.22	2278.09	2305.95	2333.81	2361.67	2389.52	2417.37	2445.21	2473.05
80	2250.19	2278.43	2306.66	2334.88	2363.10	2391.32	2419.53	2447.74	2475.94	2504.14
82	2277.67	2306.27	2334.85	2363.43	2392.01	2420.59	2449.15	2477.71	2506.27	2534.82
84	2304.81	2333.75	2362.69	2391.62	2420.55	2449.48	2478.41	2507.34	2536.27	2565.19
86	2331.60	2360.89	2390.18	2419.46	2448.74	2478.01	2507.29	2536.56	2565.79	2595.04
88	2358.07	2387.71	2417.34	2446.97	2476.59	2506.20	2535.81	2565.41	2595.01	2624.61
90	2384.22	2414.20	2444.17	2474.14	2504.10	2534.06	2564.02	2593.95	2623.89	2653.82
92	2410.07	2440.39	2470.70	2501.00	2531.30	2561.59	2591.87	2622.15	2652.43	2682.70
94	2435.62	2466.27	2496.92	2527.55	2558.18	2588.81	2619.43	2650.04	2680.64	2711.25
96	2460.89	2491.87	2522.84	2553.81	2584.77	2615.72	2646.67	2677.61	2708.55	2739.49
98	2485.87	2517.18	2548.48	2579.78	2611.08	2642.35	2673.62	2704.89	2736.15	2767.40
100	2510.59	2542.23	2573.85	2605.47	2637.08	2668.68	2700.28	2731.87	2763.45	2795.03
105	2571.26	2603.69	2636.11	2668.53	2700.95	2733.37	2765.73	2798.11	2830.49	2862.86
110	2630.41	2663.62	2696.82	2730.01	2763.20	2796.37	2829.54	2862.71	2895.88	2929.04
115	2688.13	2722.10	2756.07	2790.02	2823.97	2857.91	2891.84	2925.76	2959.67	2993.58
120	2744.52	2779.24	2813.96	2848.66	2883.35	2918.03	2952.71	2987.37	3022.03	3056.68
125	2799.66	2835.12	2870.56	2906.00	2941.42	2976.84	3012.24	3047.64	3083.03	3118.41
130	2853.62	2889.80	2925.96	2962.12	2998.26	3034.39	3070.52	3106.65	3142.75	3178.83
135	2906.47	2943.36	2980.23	3017.09	3053.94	3090.77	3127.60	3164.42	3201.23	3238.03
140	2958.27	2995.85	3033.42	3070.97	3108.51	3146.04	3183.57	3221.07	3258.57	3296.06
145	3009.07	3047.33	3085.58	3123.82	3162.04	3200.25	3238.46	3276.65	3314.82	3352.99
150	3058.91	3097.45	3136.77	3175.68	3214.58	3253.46	3292.34	3331.19	3370.04	3408.88
160	3159.94	319								

2104 (SEC)	9.10	9.20	9.30	9.40	9.50	9.60	9.70	9.80	9.90	10.00
2104 (CM)										
1	288.94	288.08	291.21	294.34	297.47	300.60	303.73	306.87	310.00	313.13
2	402.94	407.37	411.80	416.23	420.66	425.09	429.52	433.95	438.38	442.81
3	493.46	498.89	504.31	509.74	515.16	520.59	526.01	531.44	536.87	542.30
5	576.02	576.02	582.26	588.50	594.74	601.08	607.32	613.56	619.80	626.04
6	643.95	643.95	650.96	657.97	664.97	671.98	678.99	685.99	692.99	700.00
7	597.69	705.37	713.06	720.71	728.35	736.00	743.74	751.41	759.08	766.76
8	753.53	761.82	770.11	778.40	786.69	794.98	803.27	811.56	819.85	828.14
9	805.49	814.36	823.22	832.08	840.95	849.81	858.67	867.53	876.40	885.26
10	858.29	863.69	873.09	882.49	891.89	901.29	910.69	920.09	929.50	938.90
11	900.42	910.34	920.25	930.16	940.07	949.98	959.89	969.80	979.71	989.62
12	984.30	988.69	995.09	997.48	998.88	999.27	1000.67	1002.07	1003.47	1004.87
13	986.21	997.06	1007.92	1018.78	1029.64	1040.50	1051.35	1062.21	1073.07	1083.93
14	1026.39	1037.70	1049.00	1060.30	1071.60	1082.90	1094.21	1105.51	1116.81	1128.11
15	1065.05	1076.78	1088.51	1100.24	1111.97	1123.70	1135.43	1147.16	1158.89	1170.62
16	1102.34	1114.49	1126.63	1138.77	1150.91	1163.06	1175.20	1187.34	1199.48	1211.62
17	1138.40	1150.95	1163.49	1176.03	1188.57	1201.11	1213.65	1226.19	1238.73	1251.27
18	1173.35	1186.27	1199.20	1212.13	1225.06	1237.99	1250.92	1263.84	1276.77	1289.70
19	1207.26	1220.57	1233.87	1247.18	1260.48	1273.79	1287.09	1300.39	1313.70	1327.00
20	1240.25	1253.92	1267.59	1281.26	1294.93	1308.60	1322.26	1335.93	1349.60	1363.27
21	1272.34	1286.39	1300.42	1314.44	1328.47	1342.49	1356.52	1370.54	1384.57	1398.59
22	1303.68	1318.05	1332.43	1346.80	1361.17	1375.55	1389.92	1404.29	1418.66	1433.03
23	1335.25	1349.96	1364.68	1379.39	1394.10	1408.81	1423.52	1438.23	1452.94	1467.65
24	1367.12	1382.17	1397.22	1412.27	1427.32	1442.37	1457.42	1472.47	1487.52	1502.57
25	1399.25	1414.72	1430.19	1445.66	1461.13	1476.60	1492.07	1507.54	1523.01	1538.48
26	1431.57	1447.45	1463.33	1479.21	1495.09	1510.97	1526.85	1542.73	1558.61	1574.49
27	1464.00	1480.32	1496.64	1512.96	1529.28	1545.60	1561.92	1578.24	1594.56	1610.88
28	1496.50	1513.18	1529.86	1546.54	1563.22	1579.90	1596.58	1613.26	1629.94	1646.62
29	1529.10	1546.18	1563.26	1580.34	1597.42	1614.50	1631.58	1648.66	1665.74	1682.82
30	1561.70	1579.19	1596.68	1614.17	1631.66	1649.15	1666.64	1684.13	1701.62	1719.11
31	1594.30	1612.19	1630.08	1647.97	1665.86	1683.75	1701.64	1719.53	1737.42	1755.31
32	1626.90	1645.19	1663.48	1681.77	1699.66	1717.55	1735.44	1753.33	1771.22	1789.11
33	1659.50	1678.19	1696.48	1714.77	1733.06	1751.35	1769.64	1787.53	1805.42	1823.31
34	1692.10	1711.19	1730.08	1748.97	1767.86	1786.75	1805.64	1824.53	1843.42	1862.31
35	1724.70	1744.19	1763.48	1782.77	1802.06	1821.35	1840.64	1859.53	1878.42	1897.31
36	1757.30	1777.19	1796.48	1815.77	1835.06	1854.35	1873.64	1892.53	1911.42	1930.31
37	1790.00	1810.39	1830.78	1851.17	1871.56	1891.95	1912.34	1932.73	1953.12	1973.51
38	1822.60	1843.39	1864.18	1884.97	1905.76	1926.55	1947.34	1968.13	1988.92	2009.71
39	1855.20	1876.39	1897.58	1918.77	1939.96	1961.15	1982.34	2003.53	2024.72	2045.91
40	1887.80	1909.39	1930.98	1952.57	1974.16	1995.75	2017.34	2038.93	2060.52	2082.11
41	1920.40	1942.39	1964.38	1986.37	2008.36	2030.35	2052.34	2074.33	2096.32	2118.31
42	1953.00	1975.39	1997.78	2020.17	2042.56	2064.95	2087.34	2109.73	2132.12	2154.51
43	1985.60	2008.39	2031.18	2053.97	2076.76	2099.55	2122.34	2145.13	2167.92	2190.71
44	2018.20	2041.39	2064.58	2087.77	2110.96	2134.15	2157.34	2180.53	2203.72	2226.91
45	2050.80	2074.39	2097.98	2121.57	2145.16	2168.75	2192.34	2215.93	2239.52	2263.11
46	2083.40	2107.39	2131.38	2155.37	2179.36	2203.35	2227.34	2251.33	2275.32	2299.31
47	2116.00	2140.39	2164.78	2189.17	2213.56	2237.95	2262.34	2286.73	2311.12	2335.51
48	2148.60	2173.39	2198.18	2222.97	2247.76	2272.55	2297.34	2322.13	2346.92	2371.71
49	2181.20	2206.39	2231.58	2256.77	2281.96	2307.15	2332.34	2357.53	2382.72	2407.91
50	2213.80	2239.39	2264.98	2290.57	2316.16	2341.75	2367.34	2392.93	2418.52	2444.11
51	2246.40	2272.39	2298.38	2324.37	2350.36	2376.35	2402.34	2428.33	2454.32	2480.31
52	2279.00	2305.39	2331.78	2358.17	2384.56	2410.95	2437.34	2463.73	2490.12	2516.51
53	2311.60	2338.39	2365.18	2391.97	2418.76	2445.55	2472.34	2499.13	2525.92	2552.71
54	2344.20	2371.39	2398.58	2425.77	2452.96	2480.15	2507.34	2534.53	2561.72	2588.91
55	2376.80	2404.39	2431.98	2459.57	2487.16	2514.75	2542.34	2569.93	2597.52	2625.11
56	2409.40	2437.39	2465.38	2493.37	2521.36	2549.35	2577.34	2605.33	2633.32	2661.31
57	2442.00	2470.39	2498.78	2527.17	2555.56	2583.95	2612.34	2640.73	2669.12	2697.51
58	2474.60	2503.39	2532.38	2560.77	2589.16	2617.55	2645.94	2674.33	2702.72	2731.11
59	2507.20	2536.39	2565.78	2594.97	2624.16	2653.35	2682.54	2711.73	2740.92	2770.11
60	2539.80	2569.39	2599.18	2628.57	2658.36	2688.15	2717.54	2747.33	2777.12	2806.91
61	2572.40	2602.39	2632.58	2662.77	2692.96	2723.15	2753.34	2783.53	2813.72	2843.91
62	2605.00	2635.39	2665.98	2696.57	2727.16	2757.75	2788.34	2818.93	2849.52	2880.11
63	2637.60	2668.39	2699.18	2729.97	2761.16	2792.35	2823.54	2854.73	2885.92	2917.11
64	2670.20	2701.39	2732.58	2763.77	2794.96	2826.15	2857.34	2888.53	2919.72	2950.91
65	2702.80	2734.39	2765.98	2797.57	2829.16	2860.75	2892.34	2923.93	2955.52	2987.11
66	2735.40	2767.39	2799.18	2830.97	2862.76	2894.55	2926.34	2958.13	2989.92	3021.71
67	2768.00	2800.39	2832.58	2864.77	2896.96	2929.15	2961.34	2993.53	3025.72	3057.91
68	2800.60	2833.39	2865.98	2898.17	2930.36	2962.55	2994.74	3026.93	3059.12	3091.31
69	2833.20	2866.39	2899.18	2931.97	2964.16	2996.35	3028.54	3060.73	3092.92	3125.11
70	2865.80	2899.39	2932.58	2965.77	2998.96	3032.15	3064.34	3096.53	3128.72	3160.91
71	2898.40	2932.39	2965.98	2999.57	3033.16	3066.75	3099.94	3133.13	3166.32	3199.51
72	2931.00	2965.39	2999.78	3034.17	3068.56	3102.95	3137.34	3171.73	3206.12	3240.51
73	2963.60	2998.39	3033.18	3067.97	3102.76	3137.55	3172.34	3207.13	3241.92	3276.71
74	2996.20	3031.39	3066.58	3101.77	3137.16	3172.35	3207.54	3242.73	3277.92	3313.11
75	3028.80	3064.39	3099.98	3135.97	3171.56	3207.15	3242.74	3278.33	3313.92	3349.51
76	3061.40	3097.39	3133.38	3169.37	3205.36	3241.35	3277.34	3313.33	3349.32	3385.31
77	3094.00	3130.39	3166.78	3203.17	3239.56	3275.95	3312.34	3348.73	3385.12	3421.51
78	3126.60	3163.39	3200.18	3236.97	3273.76	3310.55	3347.34	3384.13	3420.92	3457.11
79	3159.20	3196.39	3233.58	3270.77	3307.56	3344.35	3381.34	3418.13	3454.92	3491.31
80	3191.80	3229.39	3266.98	3304.17	3341.16	3377.95	3414.34	3451.13	3487.92	3524.11
81	3224.40	3262.39	3299.98	3340.97	3377.76	3414.55	3451.34	3488.13	3524.92	3561.31
82	3257.00	3295.39	3332.98	3377.57	3414.36	3451.15	3487.94	3524.73	3561.52	3598.31
83	3289.60	3328.39	3365.98	3413.97	3450.76	3487.55	3524.34	3561.13	3597.92	3634.51
84	3322.20	3361.39	3398.98	3450.77	3487.56	3524.35	3561.14	3597.93	3634.72	3671.31
85	3354.80	3394.39	3431.98	3487.57	3524.36	3561.15	3597.94	3634.73	3671.52	3708.11
86	3387.40	3427.39	3464.98	3524.17	3560.96	3597.75	3634.54	3671.33	3707.92	3744.51
87	3420.00	3459.39	3496.98	3560.97	3597.76	3634.55	3671.34	3707.93	3744.72	3781.31
88	3452.60	3492.39	3529.98	3597.77	3634.56	3671.35	3707.94	3744.73	3781.52	3818.11
89	3485.20	3525.39	3562.98	3634.17	3670.96	3707.75	3744.54	3781.33	3817.92	3854.51
90	3517.80	3558.39	3595.98	3670.97	3707.76	3744.55	3781.34	3817.93	3854.72	3891.31
91	3550.40	3591.39	3628.98	3707.77	3744.56	3781.35	3817.94	3854.73	3891.52	3928.11
92	3583.00	3624.39	3661.98	3744.17	3780.96	3817.75	3854.54	3891.33	3928.32	3964.51
93	3615.60	3657.39	3694.98	3780.97	3817.76	3854.55	3891.34	3928.33	3964.72	4001.31
94	3648.20	3690.39	3727.98	3817.77	3854.56	3891.35	3928.34	3964.73	4001.52	4

附表—III 現地波の波速の表 (単位 m/sec.)

TABLE—III Celerities of Prototype Waves

$T = 2 \sim 30$ sec.

$h = 0.2 \sim 300$ m.

2499 (SEC)	2.00	2.20	2.40	2.60	2.80	3.00	3.20	3.40	3.60	3.80
2.00	1.35	1.36	1.36	1.37	1.37	1.37	1.38	1.38	1.38	1.38
2.05	1.36	1.37	1.37	1.38	1.38	1.38	1.39	1.39	1.39	1.39
2.10	1.37	1.38	1.38	1.39	1.39	1.39	1.40	1.40	1.40	1.40
2.15	1.38	1.39	1.39	1.40	1.40	1.40	1.41	1.41	1.41	1.41
2.20	1.39	1.40	1.40	1.41	1.41	1.41	1.42	1.42	1.42	1.42
2.25	1.40	1.41	1.41	1.42	1.42	1.42	1.43	1.43	1.43	1.43
2.30	1.41	1.42	1.42	1.43	1.43	1.43	1.44	1.44	1.44	1.44
2.35	1.42	1.43	1.43	1.44	1.44	1.44	1.45	1.45	1.45	1.45
2.40	1.43	1.44	1.44	1.45	1.45	1.45	1.46	1.46	1.46	1.46
2.45	1.44	1.45	1.45	1.46	1.46	1.46	1.47	1.47	1.47	1.47
2.50	1.45	1.46	1.46	1.47	1.47	1.47	1.48	1.48	1.48	1.48
2.55	1.46	1.47	1.47	1.48	1.48	1.48	1.49	1.49	1.49	1.49
2.60	1.47	1.48	1.48	1.49	1.49	1.49	1.50	1.50	1.50	1.50
2.65	1.48	1.49	1.49	1.50	1.50	1.50	1.51	1.51	1.51	1.51
2.70	1.49	1.50	1.50	1.51	1.51	1.51	1.52	1.52	1.52	1.52
2.75	1.50	1.51	1.51	1.52	1.52	1.52	1.53	1.53	1.53	1.53
2.80	1.51	1.52	1.52	1.53	1.53	1.53	1.54	1.54	1.54	1.54
2.85	1.52	1.53	1.53	1.54	1.54	1.54	1.55	1.55	1.55	1.55
2.90	1.53	1.54	1.54	1.55	1.55	1.55	1.56	1.56	1.56	1.56
2.95	1.54	1.55	1.55	1.56	1.56	1.56	1.57	1.57	1.57	1.57
3.00	1.55	1.56	1.56	1.57	1.57	1.57	1.58	1.58	1.58	1.58
3.05	1.56	1.57	1.57	1.58	1.58	1.58	1.59	1.59	1.59	1.59
3.10	1.57	1.58	1.58	1.59	1.59	1.59	1.60	1.60	1.60	1.60
3.15	1.58	1.59	1.59	1.60	1.60	1.60	1.61	1.61	1.61	1.61
3.20	1.59	1.60	1.60	1.61	1.61	1.61	1.62	1.62	1.62	1.62
3.25	1.60	1.61	1.61	1.62	1.62	1.62	1.63	1.63	1.63	1.63
3.30	1.61	1.62	1.62	1.63	1.63	1.63	1.64	1.64	1.64	1.64
3.35	1.62	1.63	1.63	1.64	1.64	1.64	1.65	1.65	1.65	1.65
3.40	1.63	1.64	1.64	1.65	1.65	1.65	1.66	1.66	1.66	1.66
3.45	1.64	1.65	1.65	1.66	1.66	1.66	1.67	1.67	1.67	1.67
3.50	1.65	1.66	1.66	1.67	1.67	1.67	1.68	1.68	1.68	1.68
3.55	1.66	1.67	1.67	1.68	1.68	1.68	1.69	1.69	1.69	1.69
3.60	1.67	1.68	1.68	1.69	1.69	1.69	1.70	1.70	1.70	1.70
3.65	1.68	1.69	1.69	1.70	1.70	1.70	1.71	1.71	1.71	1.71
3.70	1.69	1.70	1.70	1.71	1.71	1.71	1.72	1.72	1.72	1.72
3.75	1.70	1.71	1.71	1.72	1.72	1.72	1.73	1.73	1.73	1.73
3.80	1.71	1.72	1.72	1.73	1.73	1.73	1.74	1.74	1.74	1.74
3.85	1.72	1.73	1.73	1.74	1.74	1.74	1.75	1.75	1.75	1.75
3.90	1.73	1.74	1.74	1.75	1.75	1.75	1.76	1.76	1.76	1.76
3.95	1.74	1.75	1.75	1.76	1.76	1.76	1.77	1.77	1.77	1.77
4.00	1.75	1.76	1.76	1.77	1.77	1.77	1.78	1.78	1.78	1.78
4.05	1.76	1.77	1.77	1.78	1.78	1.78	1.79	1.79	1.79	1.79
4.10	1.77	1.78	1.78	1.79	1.79	1.79	1.80	1.80	1.80	1.80
4.15	1.78	1.79	1.79	1.80	1.80	1.80	1.81	1.81	1.81	1.81
4.20	1.79	1.80	1.80	1.81	1.81	1.81	1.82	1.82	1.82	1.82
4.25	1.80	1.81	1.81	1.82	1.82	1.82	1.83	1.83	1.83	1.83
4.30	1.81	1.82	1.82	1.83	1.83	1.83	1.84	1.84	1.84	1.84
4.35	1.82	1.83	1.83	1.84	1.84	1.84	1.85	1.85	1.85	1.85
4.40	1.83	1.84	1.84	1.85	1.85	1.85	1.86	1.86	1.86	1.86
4.45	1.84	1.85	1.85	1.86	1.86	1.86	1.87	1.87	1.87	1.87
4.50	1.85	1.86	1.86	1.87	1.87	1.87	1.88	1.88	1.88	1.88
4.55	1.86	1.87	1.87	1.88	1.88	1.88	1.89	1.89	1.89	1.89
4.60	1.87	1.88	1.88	1.89	1.89	1.89	1.90	1.90	1.90	1.90
4.65	1.88	1.89	1.89	1.90	1.90	1.90	1.91	1.91	1.91	1.91
4.70	1.89	1.90	1.90	1.91	1.91	1.91	1.92	1.92	1.92	1.92
4.75	1.90	1.91	1.91	1.92	1.92	1.92	1.93	1.93	1.93	1.93
4.80	1.91	1.92	1.92	1.93	1.93	1.93	1.94	1.94	1.94	1.94
4.85	1.92	1.93	1.93	1.94	1.94	1.94	1.95	1.95	1.95	1.95
4.90	1.93	1.94	1.94	1.95	1.95	1.95	1.96	1.96	1.96	1.96
4.95	1.94	1.95	1.95	1.96	1.96	1.96	1.97	1.97	1.97	1.97
5.00	1.95	1.96	1.96	1.97	1.97	1.97	1.98	1.98	1.98	1.98
5.05	1.96	1.97	1.97	1.98	1.98	1.98	1.99	1.99	1.99	1.99
5.10	1.97	1.98	1.98	1.99	1.99	1.99	2.00	2.00	2.00	2.00
5.15	1.98	1.99	1.99	2.00	2.00	2.00	2.01	2.01	2.01	2.01
5.20	1.99	2.00	2.00	2.01	2.01	2.01	2.02	2.02	2.02	2.02
5.25	2.00	2.01	2.01	2.02	2.02	2.02	2.03	2.03	2.03	2.03
5.30	2.01	2.02	2.02	2.03	2.03	2.03	2.04	2.04	2.04	2.04
5.35	2.02	2.03	2.03	2.04	2.04	2.04	2.05	2.05	2.05	2.05
5.40	2.03	2.04	2.04	2.05	2.05	2.05	2.06	2.06	2.06	2.06
5.45	2.04	2.05	2.05	2.06	2.06	2.06	2.07	2.07	2.07	2.07
5.50	2.05	2.06	2.06	2.07	2.07	2.07	2.08	2.08	2.08	2.08
5.55	2.06	2.07	2.07	2.08	2.08	2.08	2.09	2.09	2.09	2.09
5.60	2.07	2.08	2.08	2.09	2.09	2.09	2.10	2.10	2.10	2.10
5.65	2.08	2.09	2.09	2.10	2.10	2.10	2.11	2.11	2.11	2.11
5.70	2.09	2.10	2.10	2.11	2.11	2.11	2.12	2.12	2.12	2.12
5.75	2.10	2.11	2.11	2.12	2.12	2.12	2.13	2.13	2.13	2.13
5.80	2.11	2.12	2.12	2.13	2.13	2.13	2.14	2.14	2.14	2.14
5.85	2.12	2.13	2.13	2.14	2.14	2.14	2.15	2.15	2.15	2.15
5.90	2.13	2.14	2.14	2.15	2.15	2.15	2.16	2.16	2.16	2.16
5.95	2.14	2.15	2.15	2.16	2.16	2.16	2.17	2.17	2.17	2.17
6.00	2.15	2.16	2.16	2.17	2.17	2.17	2.18	2.18	2.18	2.18
6.05	2.16	2.17	2.17	2.18	2.18	2.18	2.19	2.19	2.19	2.19
6.10	2.17	2.18	2.18	2.19	2.19	2.19	2.20	2.20	2.20	2.20
6.15	2.18	2.19	2.19	2.20	2.20	2.20	2.21	2.21	2.21	2.21
6.20	2.19	2.20	2.20	2.21	2.21	2.21	2.22	2.22	2.22	2.22
6.25	2.20	2.21	2.21	2.22	2.22	2.22	2.23	2.23	2.23	2.23
6.30	2.21	2.22	2.22	2.23	2.23	2.23	2.24	2.24	2.24	2.24
6.35	2.22	2.23	2.23	2.24	2.24	2.24	2.25	2.25	2.25	2.25
6.40	2.23	2.24	2.24	2.25	2.25	2.25	2.26	2.26	2.26	2.26
6.45	2.24	2.25	2.25	2.26	2.26	2.26	2.27	2.27	2.27	2.27
6.50	2.25	2.26	2.26	2.27	2.27	2.27	2.28	2.28	2.28	2.28
6.55	2.26	2.27	2.27	2.28	2.28	2.28	2.29	2.29	2.29	2.29
6.60	2.27	2.28	2.28	2.29	2.29	2.29	2.30	2.30	2.30	2.30
6.65	2.28	2.29	2.29	2.30	2.30	2.30	2.31	2.31	2.31	2.31
6.70	2.29	2.30	2.30	2.31	2.31	2.31	2.32	2.32	2.32	2.32
6.75	2.30	2.31	2.31	2.32	2.32	2.32	2.33	2.33	2.33	2.33
6.80	2.31	2.32	2.32	2.33	2.33	2.33	2.34	2.34	2.34	2.34
6.85	2.32	2.33	2.33	2.34	2.34	2.34	2.35	2.35	2.35	2.35
6.90	2.33	2.34	2.34	2.35	2.35	2.35	2.36	2.36	2.36	2.36
6.95	2.34	2.35	2.35	2.36	2.36	2.36	2.37	2.37	2.37	2.37
7.00	2.35	2.36	2.36	2.37	2.37	2.37	2.38	2.38	2.38	2.38
7.05	2.36	2.37	2.37	2.38	2.38	2.38	2.39	2.39	2.39	2.39
7.10	2.37	2.38	2.38	2.39	2.39	2.39	2.40	2.40	2.40	2.40
7.15	2.38	2.39	2.39	2.40	2.40	2.40	2.41	2.41	2.41	2.41
7.20	2.39	2.40	2.40	2.41	2.41	2.41	2.42	2.42	2.42	2.42
7.25	2.40	2.41	2.41	2.42	2.42	2.42	2.43	2.43	2.43	2.43
7.30	2.41	2.42	2.42	2.43	2.43	2.43	2.44	2.44	2.44	2.44
7.35	2.42	2.43	2.43	2.44	2.44	2.44	2.45	2.45	2.45	2.45
7.40	2.43	2.44	2.44	2.45	2.45	2.45	2.46	2.46	2.46	2.46
7.45	2.44	2.45	2.45	2.46	2.46	2.46	2.47	2.47	2.47	2.47
7.50	2.45	2.46	2.46	2.47	2.47	2.47	2.48	2.48	2.48	2.48
7.55	2.46	2.47	2.47	2.48	2.48	2.48	2.49	2.49	2.49	2.49
7.60	2.47	2.48	2.48	2.49	2.49	2.49	2.50	2.50	2.50	2.50
7.65	2.48	2.49	2.49	2.50	2.50	2.50	2.51	2.51	2.51	2.51
7.70	2.49	2.50	2.50	2.51	2.51	2.51	2.52	2.52	2.52	2.52
7.75	2.50	2.51	2.51	2.52	2.52	2.52	2.53	2.53	2.53	2.53
7.80	2.51	2.52	2.52	2.53	2.53	2.53	2.54	2.54	2.54	2.54
7.85	2.52	2.53	2.53	2.54	2					

2297 (SEC)	4.00	4.20	4.40	4.60	4.80	5.00	5.20	5.40	5.60	5.80
2.0	1.38	1.38	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39
4.0	1.94	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95
6.0	2.36	2.37	2.37	2.37	2.38	2.38	2.38	2.39	2.39	2.39
8.0	2.70	2.71	2.72	2.72	2.73	2.74	2.74	2.74	2.75	2.75
10.0	2.99	3.01	3.02	3.03	3.04	3.04	3.05	3.05	3.06	3.06
12.0	3.25	3.27	3.28	3.29	3.31	3.31	3.32	3.33	3.34	3.34
14.0	3.48	3.50	3.52	3.54	3.55	3.56	3.57	3.58	3.59	3.60
16.0	3.69	3.71	3.74	3.75	3.77	3.79	3.80	3.81	3.82	3.83
18.0	3.88	3.91	3.93	3.96	3.98	3.99	4.01	4.02	4.03	4.05
20.0	4.05	4.09	4.12	4.14	4.16	4.19	4.20	4.22	4.23	4.25
22.0	4.21	4.25	4.28	4.31	4.34	4.36	4.39	4.43	4.42	4.44
24.0	4.36	4.40	4.44	4.48	4.51	4.53	4.56	4.58	4.60	4.61
26.0	4.49	4.54	4.59	4.63	4.66	4.69	4.72	4.74	4.76	4.78
28.0	4.62	4.67	4.72	4.77	4.81	4.84	4.87	4.90	4.92	4.94
30.0	4.73	4.80	4.85	4.90	4.94	4.98	5.01	5.04	5.07	5.09
32.0	4.84	4.91	4.97	5.03	5.07	5.11	5.15	5.18	5.21	5.24
34.0	4.94	5.02	5.09	5.14	5.20	5.24	5.28	5.32	5.35	5.38
36.0	5.04	5.12	5.19	5.26	5.31	5.36	5.40	5.44	5.48	5.51
38.0	5.13	5.22	5.29	5.36	5.42	5.47	5.52	5.56	5.60	5.63
40.0	5.21	5.30	5.39	5.46	5.53	5.59	5.63	5.68	5.72	5.76
42.0	5.29	5.39	5.48	5.56	5.63	5.69	5.74	5.79	5.83	5.87
44.0	5.36	5.47	5.56	5.65	5.72	5.79	5.84	5.89	5.94	5.98
46.0	5.42	5.54	5.64	5.73	5.81	5.88	5.94	6.00	6.05	6.09
48.0	5.49	5.61	5.72	5.81	5.90	5.97	6.04	6.10	6.15	6.20
50.0	5.54	5.67	5.79	5.89	5.98	6.06	6.13	6.19	6.25	6.30
52.0	5.67	5.82	5.95	6.06	6.16	6.25	6.33	6.41	6.47	6.53
54.0	5.78	5.94	6.09	6.21	6.33	6.43	6.52	6.60	6.68	6.74
56.0	5.86	6.04	6.20	6.35	6.48	6.59	6.67	6.78	6.87	6.94
58.0	5.94	6.13	6.31	6.46	6.61	6.73	6.84	6.95	7.04	7.12
60.0	6.00	6.21	6.40	6.57	6.72	6.86	6.99	7.09	7.20	7.29
62.0	6.05	6.27	6.47	6.65	6.82	6.97	7.11	7.23	7.34	7.44
64.0	6.08	6.32	6.53	6.73	6.91	7.07	7.22	7.35	7.47	7.58
66.0	6.12	6.36	6.59	6.80	6.99	7.16	7.32	7.46	7.59	7.71
68.0	6.14	6.40	6.64	6.86	7.06	7.24	7.41	7.56	7.70	7.83
70.0	6.16	6.43	6.67	6.90	7.12	7.31	7.47	7.65	7.80	7.94
72.0	6.18	6.45	6.71	6.95	7.17	7.37	7.55	7.74	7.89	8.04
74.0	6.19	6.47	6.73	6.98	7.21	7.43	7.63	7.81	7.98	8.15
76.0	6.20	6.49	6.76	7.01	7.25	7.48	7.69	7.88	8.05	8.21
78.0	6.21	6.50	6.78	7.04	7.29	7.52	7.74	7.94	8.12	8.29
80.0	6.22	6.51	6.79	7.05	7.32	7.56	7.78	7.97	8.18	8.36
82.0	6.22	6.52	6.80	7.08	7.34	7.59	7.82	8.04	8.24	8.43
84.0	6.23	6.52	6.81	7.10	7.36	7.62	7.86	8.08	8.29	8.49
86.0	6.23	6.53	6.82	7.11	7.38	7.64	7.89	8.12	8.34	8.54
88.0	6.23	6.53	6.83	7.12	7.40	7.67	7.92	8.16	8.38	8.59
90.0	6.23	6.54	6.84	7.13	7.41	7.68	7.94	8.19	8.42	8.64
92.0	6.23	6.54	6.84	7.14	7.42	7.70	7.96	8.22	8.45	8.68
94.0	6.23	6.54	6.85	7.14	7.43	7.71	7.98	8.24	8.48	8.71
96.0	6.24	6.54	6.85	7.15	7.44	7.73	8.00	8.26	8.51	8.75
98.0	6.24	6.54	6.85	7.15	7.45	7.74	8.01	8.28	8.54	8.78
100.0	6.24	6.55	6.85	7.16	7.45	7.75	8.03	8.30	8.56	8.81
102.0	6.24	6.55	6.85	7.16	7.46	7.75	8.04	8.31	8.58	8.83
104.0	6.24	6.55	6.86	7.16	7.46	7.76	8.05	8.33	8.60	8.85
106.0	6.24	6.55	6.86	7.16	7.47	7.77	8.06	8.34	8.61	8.87
108.0	6.24	6.55	6.86	7.17	7.47	7.77	8.07	8.35	8.63	8.89
110.0	6.24	6.55	6.86	7.17	7.48	7.78	8.08	8.37	8.64	8.91
112.0	6.24	6.55	6.86	7.17	7.48	7.79	8.09	8.38	8.66	8.92
114.0	6.24	6.55	6.86	7.17	7.48	7.79	8.09	8.39	8.68	8.93
116.0	6.24	6.55	6.86	7.17	7.48	7.79	8.10	8.40	8.70	8.94
118.0	6.24	6.55	6.86	7.17	7.48	7.79	8.10	8.41	8.71	8.95
120.0	6.24	6.55	6.86	7.17	7.49	7.80	8.10	8.41	8.71	8.95
122.0	6.24	6.55	6.86	7.17	7.49	7.80	8.11	8.42	8.72	8.96
124.0	6.24	6.55	6.86	7.17	7.49	7.80	8.11	8.42	8.72	8.96
126.0	6.24	6.55	6.86	7.17	7.49	7.80	8.11	8.42	8.73	8.97
128.0	6.24	6.55	6.86	7.17	7.49	7.80	8.11	8.42	8.73	8.97
130.0	6.24	6.55	6.86	7.17	7.49	7.80	8.11	8.42	8.73	8.97
132.0	6.24	6.55	6.86	7.17	7.49	7.80	8.11	8.42	8.73	8.97
134.0	6.24	6.55	6.86	7.17	7.49	7.80	8.11	8.42	8.73	8.97
136.0	6.24	6.55	6.86	7.17	7.49	7.80	8.11	8.42	8.73	8.97
138.0	6.24	6.55	6.86	7.17	7.49	7.80	8.11	8.42	8.73	8.97
140.0	6.24	6.55	6.86	7.17	7.49	7.80	8.11	8.42	8.73	8.97
142.0	6.24	6.55	6.86	7.17	7.49	7.80	8.11	8.42	8.73	8.97
144.0	6.24	6.55	6.86	7.17	7.49	7.80	8.11	8.42	8.73	8.97
146.0	6.24	6.55	6.86	7.17	7.49	7.80	8.11	8.42	8.73	8.97
148.0	6.24	6.55	6.86	7.17	7.49	7.80	8.11	8.42	8.73	8.97
150.0	6.24	6.55	6.86	7.17	7.49	7.80	8.11	8.42	8.73	8.97
152.0	6.24	6.55	6.86	7.17	7.49	7.80	8.11	8.42	8.73	8.97
154.0	6.24	6.55	6.86	7.17	7.49	7.80	8.11	8.42	8.73	8.97
156.0	6.24	6.55	6.86	7.17	7.49	7.80	8.11	8.42	8.73	8.97
158.0	6.24	6.55	6.86	7.17	7.49	7.80	8.11	8.42	8.73	8.97
160.0	6.24	6.55	6.86	7.17	7.49	7.80	8.11	8.42	8.73	8.97
162.0	6.24	6.55	6.86	7.17	7.49	7.80	8.11	8.42	8.73	8.97
164.0	6.24	6.55	6.86	7.17	7.49	7.80	8.11	8.42	8.73	8.97
166.0	6.24	6.55	6.86	7.17	7.49	7.80	8.11	8.42	8.73	8.97
168.0	6.24	6.55	6.86	7.17	7.49	7.80	8.11	8.42	8.73	8.97
170.0	6.24	6.55	6.86	7.17	7.49	7.80	8.11	8.42	8.73	8.97
172.0	6.24	6.55	6.86	7.17	7.49	7.80	8.11	8.42	8.73	8.97
174.0	6.24	6.55	6.86	7.17	7.49	7.80	8.11	8.42	8.73	8.97
176.0	6.24	6.55	6.86	7.17	7.49	7.80	8.11	8.42	8.73	8.97
178.0	6.24	6.55	6.86	7.17	7.49	7.80	8.11	8.42	8.73	8.97
180.0	6.24	6.55	6.86	7.17	7.49	7.80	8.11	8.42	8.73	8.97
182.0	6.24	6.55	6.86	7.17	7.49	7.80	8.11	8.42	8.73	8.97
184.0	6.24	6.55	6.86	7.17	7.49	7.80	8.11	8.42	8.73	8.97
186.0	6.24	6.55	6.86	7.17	7.49	7.80	8.11	8.42	8.73	8.97
188.0	6.24	6.55	6.86	7.17	7.49	7.80	8.11	8.42	8.73	8.97
190.0	6.24	6.55	6.86	7.17	7.49	7.80	8.11	8.42	8.73	8.97
192.0	6.24	6.55	6.86	7.17	7.49	7.80	8.11	8.42	8.73	8.97
194.0	6.24	6.55	6.86	7.17	7.49	7.80	8.11	8.42	8.73	8.97
196.0	6.24	6.55	6.86	7.17	7.49	7.80	8.11	8.42	8.73	8.97
198.0	6.24	6.55	6.86	7.17	7.49	7.80	8.11	8.42	8.73	8.97
200.0	6.24	6.55	6.86	7.17	7.49	7.80	8.11	8.42	8.73	8.97

時間 (SEC)	6.00	6.20	6.40	6.60	6.80	7.00	7.20	7.40	7.60	7.80
1.2	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39
1.4	1.96	1.96	1.96	1.96	1.96	1.96	1.97	1.97	1.97	1.97
1.6	2.39	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40
1.8	2.75	2.76	2.76	2.76	2.76	2.77	2.77	2.77	2.77	2.77
2.0	3.07	3.07	3.08	3.08	3.08	3.08	3.09	3.09	3.09	3.09
2.2	3.35	3.35	3.36	3.36	3.37	3.37	3.37	3.37	3.38	3.38
2.4	3.60	3.61	3.62	3.62	3.62	3.63	3.63	3.64	3.64	3.64
2.6	3.84	3.85	3.85	3.86	3.86	3.87	3.87	3.88	3.88	3.89
2.8	4.06	4.06	4.07	4.08	4.08	4.09	4.09	4.10	4.10	4.11
3.0	4.26	4.27	4.28	4.29	4.29	4.30	4.31	4.31	4.32	4.33
3.2	4.45	4.46	4.47	4.48	4.49	4.50	4.51	4.51	4.52	4.53
3.4	4.63	4.64	4.65	4.66	4.67	4.68	4.69	4.70	4.71	4.72
3.6	4.80	4.81	4.83	4.84	4.85	4.86	4.87	4.88	4.89	4.90
3.8	4.96	4.98	4.99	5.01	5.02	5.03	5.04	5.05	5.06	5.07
4.0	5.11	5.13	5.15	5.17	5.18	5.20	5.21	5.22	5.23	5.24
4.2	5.26	5.28	5.30	5.32	5.34	5.35	5.36	5.38	5.39	5.40
4.4	5.40	5.43	5.45	5.47	5.48	5.50	5.51	5.53	5.54	5.55
4.6	5.54	5.56	5.58	5.61	5.63	5.64	5.66	5.67	5.69	5.70
4.8	5.67	5.69	5.72	5.74	5.76	5.78	5.80	5.81	5.83	5.84
5.0	5.79	5.82	5.85	5.87	5.89	5.91	5.93	5.95	5.97	5.98
5.2	5.91	5.94	5.97	5.00	6.02	6.04	6.06	6.09	6.10	6.11
5.4	6.02	6.06	6.09	6.12	6.14	6.17	6.19	6.21	6.23	6.24
5.6	6.13	6.17	6.20	6.23	6.26	6.29	6.31	6.33	6.35	6.37
5.8	6.24	6.28	6.31	6.35	6.38	6.40	6.43	6.45	6.47	6.49
6.0	6.34	6.38	6.42	6.46	6.49	6.52	6.54	6.57	6.59	6.61
6.2	6.58	6.63	6.67	6.71	6.75	6.79	6.81	6.84	6.87	6.89
6.4	6.80	6.86	6.90	6.95	6.99	7.03	7.07	7.11	7.13	7.16
6.6	7.01	7.07	7.13	7.18	7.22	7.27	7.30	7.34	7.37	7.40
6.8	7.20	7.26	7.33	7.38	7.44	7.49	7.53	7.57	7.60	7.64
7.0	7.37	7.45	7.51	7.58	7.63	7.69	7.74	7.79	7.82	7.86
7.2	7.53	7.61	7.69	7.76	7.82	7.88	7.93	7.99	8.03	8.07
7.4	7.68	7.77	7.85	7.93	8.00	8.06	8.12	8.17	8.22	8.27
7.6	7.82	7.91	8.00	8.08	8.16	8.23	8.29	8.35	8.40	8.45
7.8	7.94	8.05	8.14	8.23	8.31	8.39	8.46	8.52	8.58	8.63
8.0	8.06	8.17	8.28	8.37	8.46	8.54	8.61	8.68	8.74	8.80
8.2	8.17	8.29	8.40	8.50	8.60	8.68	8.76	8.83	8.90	8.96
8.4	8.27	8.40	8.52	8.62	8.72	8.82	8.90	8.98	9.05	9.12
8.6	8.36	8.50	8.62	8.74	8.85	8.94	9.03	9.12	9.19	9.26
8.8	8.45	8.59	8.72	8.85	8.96	9.06	9.15	9.25	9.33	9.40
9.0	8.53	8.68	8.82	8.95	9.07	9.18	9.28	9.37	9.46	9.54
9.2	8.60	8.76	8.91	9.04	9.17	9.28	9.39	9.49	9.58	9.66
9.4	8.67	8.83	8.99	9.13	9.26	9.38	9.50	9.61	9.70	9.79
9.6	8.73	8.90	9.06	9.21	9.35	9.48	9.60	9.71	9.81	9.90
9.8	8.79	8.97	9.14	9.29	9.43	9.57	9.69	9.81	9.91	10.01
10.0	8.84	9.03	9.20	9.36	9.51	9.65	9.78	9.91	10.02	10.12
10.2	8.89	9.08	9.26	9.43	9.59	9.73	9.87	9.99	10.11	10.22
10.4	8.93	9.13	9.32	9.49	9.66	9.81	9.95	10.08	10.20	10.32
10.6	8.97	9.18	9.37	9.55	9.72	9.88	10.03	10.16	10.29	10.41
10.8	9.01	9.22	9.42	9.61	9.78	9.95	10.10	10.24	10.37	10.50
11.0	9.04	9.26	9.47	9.66	9.84	10.01	10.17	10.32	10.45	10.58
11.2	9.07	9.30	9.51	9.71	9.90	10.07	10.23	10.39	10.55	10.66
11.4	9.10	9.33	9.55	9.75	9.95	10.13	10.30	10.45	10.60	10.74
11.6	9.12	9.36	9.58	9.79	9.99	10.18	10.35	10.52	10.67	10.81
11.8	9.15	9.39	9.62	9.83	10.04	10.23	10.41	10.58	10.73	10.88
12.0	9.17	9.41	9.65	9.87	10.08	10.28	10.46	10.63	10.80	10.95
12.2	9.20	9.46	9.70	9.93	10.15	10.36	10.55	10.74	10.91	11.07
12.4	9.23	9.50	9.75	9.99	10.22	10.43	10.64	10.83	11.01	11.19
12.6	9.26	9.53	9.79	10.04	10.27	10.50	10.71	10.92	11.11	11.29
12.8	9.29	9.57	9.83	10.08	10.32	10.55	10.78	10.99	11.19	11.38
13.0	9.29	9.57	9.85	10.11	10.36	10.61	10.86	11.10	11.27	11.46
13.2	9.31	9.59	9.87	10.14	10.40	10.65	10.89	11.12	11.33	11.54
13.4	9.31	9.61	9.89	10.17	10.43	10.69	10.93	11.17	11.39	11.61
13.6	9.32	9.62	9.91	10.19	10.46	10.72	10.97	11.22	11.45	11.67
13.8	9.33	9.63	9.92	10.20	10.48	10.75	11.01	11.26	11.50	11.72
14.0	9.34	9.64	9.93	10.22	10.50	10.77	11.04	11.29	11.54	11.77
14.2	9.35	9.65	9.95	10.24	10.53	10.81	11.09	11.35	11.61	11.86
14.4	9.35	9.66	9.96	10.26	10.55	10.84	11.12	11.43	11.67	11.92
14.6	9.35	9.66	9.97	10.27	10.57	10.86	11.15	11.43	11.71	11.98
14.8	9.36	9.67	9.97	10.28	10.58	10.88	11.17	11.46	11.74	12.02
15.0	9.36	9.67	9.98	10.28	10.59	10.89	11.19	11.48	11.77	12.05
15.2	9.36	9.67	9.98	10.29	10.59	10.90	11.20	11.49	11.79	12.08
15.4	9.36	9.67	9.98	10.29	10.60	10.90	11.21	11.51	11.81	12.10
15.6	9.36	9.67	9.98	10.29	10.60	10.91	11.22	11.52	11.82	12.12
15.8	9.36	9.67	9.98	10.29	10.60	10.91	11.22	11.53	11.83	12.13
16.0	9.36	9.67	9.98	10.29	10.60	10.91	11.22	11.53	11.83	12.14
16.2	9.36	9.67	9.98	10.30	10.61	10.92	11.23	11.54	11.85	12.15
16.4	9.36	9.67	9.98	10.30	10.61	10.92	11.23	11.54	11.85	12.16
16.6	9.36	9.67	9.98	10.30	10.61	10.92	11.23	11.54	11.85	12.16
16.8	9.36	9.67	9.98	10.30	10.61	10.92	11.23	11.54	11.86	12.17
17.0	9.36	9.67	9.98	10.30	10.61	10.92	11.23	11.54	11.86	12.17
17.2	9.36	9.67	9.98	10.30	10.61	10.92	11.23	11.54	11.86	12.17
17.4	9.36	9.67	9.98	10.30	10.61	10.92	11.23	11.54	11.86	12.17
17.6	9.36	9.67	9.98	10.30	10.61	10.92	11.23	11.54	11.86	12.17
17.8	9.36	9.67	9.98	10.30	10.61	10.92	11.23	11.54	11.86	12.17
18.0	9.36	9.67	9.98	10.30	10.61	10.92	11.23	11.54	11.86	12.17
18.2	9.36	9.67	9.98	10.30	10.61	10.92	11.23	11.54	11.86	12.17
18.4	9.36	9.67	9.98	10.30	10.61	10.92	11.23	11.54	11.86	12.17
18.6	9.36	9.67	9.98	10.30	10.61	10.92	11.23	11.54	11.86	12.17
18.8	9.36	9.67	9.98	10.30	10.61	10.92	11.23	11.54	11.86	12.17
19.0	9.36	9.67	9.98	10.30	10.61	10.92	11.23	11.54	11.86	12.17
19.2	9.36	9.67	9.98	10.30	10.61	10.92	11.23	11.54	11.86	12.17
19.4	9.36	9.67	9.98	10.30	10.61	10.92	11.23	11.54	11.86	12.17
19.6	9.36	9.67	9.98	10.30	10.61	10.92	11.23	11.54	11.86	12.17
19.8	9.36	9.67	9.98	10.30	10.61	10.92	11.23	11.54	11.86	12.17
20.0	9.36	9.67	9.98	10.30	10.61	10.92	11.23	11.54	11.86	12.17

TIME (SEC)	8.00	8.20	8.40	8.60	8.80	9.00	9.20	9.40	9.60	9.80
0.2	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39
0.4	1.47	1.47	1.47	1.47	1.47	1.47	1.47	1.47	1.47	1.47
0.6	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.41
0.8	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77
1.0	3.09	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10
1.2	3.38	3.38	3.38	3.38	3.38	3.38	3.38	3.38	3.38	3.38
1.4	3.65	3.65	3.65	3.65	3.65	3.65	3.65	3.65	3.65	3.65
1.6	3.89	3.89	3.89	3.89	3.89	3.89	3.89	3.89	3.89	3.89
1.8	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12	4.12
2.0	4.33	4.34	4.34	4.34	4.34	4.34	4.34	4.34	4.34	4.34
2.2	4.53	4.54	4.54	4.54	4.54	4.54	4.54	4.54	4.54	4.54
2.4	4.72	4.73	4.73	4.73	4.73	4.73	4.73	4.73	4.73	4.73
2.6	4.91	4.91	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92
2.8	5.08	5.09	5.10	5.10	5.10	5.10	5.10	5.10	5.10	5.10
3.0	5.25	5.25	5.26	5.26	5.27	5.27	5.27	5.27	5.27	5.27
3.2	5.41	5.42	5.43	5.43	5.44	5.44	5.44	5.44	5.44	5.44
3.4	5.56	5.57	5.58	5.59	5.60	5.61	5.61	5.61	5.61	5.61
3.6	5.71	5.72	5.73	5.74	5.75	5.75	5.75	5.75	5.75	5.75
3.8	5.86	5.87	5.88	5.89	5.90	5.91	5.92	5.92	5.92	5.92
4.0	5.99	6.01	6.02	6.03	6.04	6.05	6.05	6.05	6.05	6.05
4.2	6.13	6.14	6.15	6.17	6.18	6.19	6.20	6.21	6.22	6.22
4.4	6.26	6.27	6.29	6.31	6.32	6.33	6.34	6.34	6.35	6.35
4.6	6.39	6.40	6.42	6.43	6.44	6.45	6.47	6.48	6.49	6.50
4.8	6.51	6.53	6.54	6.56	6.57	6.58	6.59	6.61	6.62	6.63
5.0	6.63	6.65	6.66	6.68	6.69	6.71	6.72	6.73	6.74	6.75
5.5	6.91	6.93	6.95	6.97	6.99	7.03	7.02	7.03	7.04	7.06
6.0	7.18	7.20	7.25	7.25	7.27	7.28	7.30	7.32	7.33	7.34
6.5	7.43	7.46	7.48	7.51	7.53	7.55	7.57	7.59	7.60	7.62
7.0	7.67	7.70	7.73	7.75	7.78	7.83	7.84	7.84	7.86	7.87
7.5	7.89	7.93	7.96	7.99	8.01	8.04	8.06	8.08	8.10	8.12
8.0	8.11	8.14	8.16	8.21	8.24	8.26	8.29	8.31	8.33	8.36
8.5	8.31	8.35	8.38	8.42	8.45	8.48	8.51	8.53	8.56	8.58
9.0	8.50	8.54	8.58	8.62	8.65	8.69	8.72	8.74	8.77	8.80
9.5	8.68	8.73	8.77	8.81	8.85	8.88	8.92	8.95	8.98	9.00
10.0	8.86	8.91	8.95	9.00	9.04	9.07	9.11	9.14	9.17	9.20
10.5	9.02	9.07	9.12	9.17	9.22	9.26	9.29	9.33	9.36	9.39
11.0	9.18	9.24	9.29	9.34	9.39	9.43	9.47	9.51	9.55	9.58
11.5	9.33	9.39	9.45	9.50	9.55	9.60	9.64	9.68	9.72	9.76
12.0	9.47	9.54	9.60	9.66	9.71	9.75	9.81	9.85	9.89	9.93
12.5	9.61	9.68	9.75	9.81	9.86	9.92	9.96	10.01	10.05	10.10
13.0	9.74	9.82	9.89	9.95	10.01	10.07	10.12	10.17	10.21	10.26
13.5	9.87	9.95	10.02	10.09	10.15	10.21	10.26	10.32	10.37	10.41
14.0	9.99	10.07	10.15	10.22	10.29	10.35	10.41	10.47	10.52	10.56
14.5	10.11	10.19	10.27	10.35	10.42	10.48	10.54	10.60	10.66	10.71
15.0	10.22	10.31	10.39	10.47	10.54	10.61	10.69	10.74	10.79	10.85
15.5	10.32	10.42	10.50	10.59	10.66	10.74	10.80	10.87	10.93	10.99
16.0	10.42	10.52	10.61	10.70	10.78	10.86	10.93	10.99	11.06	11.12
16.5	10.52	10.62	10.72	10.81	10.89	10.97	11.05	11.12	11.18	11.24
17.0	10.61	10.72	10.82	10.91	11.00	11.09	11.16	11.24	11.30	11.37
17.5	10.70	10.81	10.92	11.02	11.11	11.19	11.27	11.35	11.42	11.49
18.0	10.79	10.90	11.01	11.11	11.21	11.30	11.38	11.46	11.54	11.61
18.5	10.87	10.99	11.10	11.21	11.31	11.40	11.49	11.57	11.65	11.72
19.0	10.95	11.07	11.19	11.30	11.40	11.50	11.59	11.67	11.75	11.83
19.5	11.02	11.15	11.27	11.38	11.49	11.59	11.69	11.77	11.86	11.94
20.0	11.09	11.23	11.35	11.47	11.58	11.68	11.78	11.87	11.96	12.04
21.0	11.22	11.37	11.50	11.63	11.74	11.85	11.96	12.06	12.15	12.24
22.0	11.35	11.50	11.64	11.77	11.90	12.02	12.13	12.23	12.33	12.42
23.0	11.46	11.62	11.77	11.91	12.04	12.17	12.29	12.40	12.50	12.60
24.0	11.56	11.73	11.89	12.03	12.18	12.31	12.43	12.55	12.66	12.77
25.0	11.65	11.83	11.99	12.15	12.30	12.44	12.57	12.70	12.81	12.93
26.0	11.73	11.92	12.09	12.26	12.41	12.56	12.70	12.83	12.96	13.07
27.0	11.81	12.00	12.18	12.36	12.52	12.68	12.82	12.96	13.09	13.21
28.0	11.88	12.08	12.27	12.45	12.62	12.78	12.93	13.08	13.22	13.35
29.0	11.94	12.15	12.35	12.53	12.71	12.89	13.04	13.19	13.33	13.47
30.0	12.00	12.21	12.42	12.61	12.80	12.97	13.14	13.31	13.44	13.59
32.0	12.10	12.32	12.54	12.75	12.95	13.13	13.31	13.49	13.65	13.80
34.0	12.17	12.41	12.64	12.86	13.07	13.24	13.47	13.65	13.82	13.99
35.0	12.24	12.49	12.73	12.96	13.18	13.40	13.60	13.80	13.98	14.16
36.0	12.29	12.55	12.80	13.04	13.28	13.53	13.72	13.92	14.12	14.31
40.0	12.33	12.60	12.86	13.11	13.35	13.59	13.81	14.03	14.24	14.44
42.0	12.36	12.64	12.91	13.17	13.42	13.65	13.90	14.12	14.34	14.55
44.0	12.39	12.67	12.94	13.21	13.47	13.73	13.97	14.21	14.43	14.65
46.0	12.41	12.69	12.99	13.25	13.52	13.74	14.03	14.24	14.51	14.74
48.0	12.42	12.71	13.00	13.28	13.56	13.82	14.09	14.34	14.58	14.82
50.0	12.44	12.73	13.02	13.31	13.59	13.85	14.13	14.37	14.64	14.88
55.0	12.46	12.76	13.06	13.35	13.64	13.93	14.21	14.48	14.75	15.01
60.0	12.47	12.77	13.08	13.38	13.68	13.97	14.26	14.55	14.83	15.10
65.0	12.47	12.78	13.09	13.40	13.70	14.03	14.30	14.59	14.88	15.17
70.0	12.48	12.79	13.10	13.40	13.71	14.02	14.32	14.61	14.91	15.21
75.0	12.48	12.79	13.10	13.41	13.72	14.03	14.33	14.64	14.94	15.24
80.0	12.48	12.79	13.11	13.41	13.72	14.03	14.34	14.65	14.95	15.25
85.0	12.48	12.79	13.11	13.42	13.73	14.04	14.35	14.66	14.96	15.27
90.0	12.48	12.79	13.11	13.42	13.73	14.04	14.35	14.66	14.97	15.27
95.0	12.48	12.79	13.11	13.42	13.73	14.04	14.35	14.66	14.97	15.28
100.0	12.48	12.79	13.11	13.42	13.73	14.04	14.35	14.66	14.97	15.28
110.0	12.48	12.79	13.11	13.42	13.73	14.04	14.35	14.67	14.98	15.29
120.0	12.48	12.79	13.11	13.42	13.73	14.04	14.35	14.67	14.98	15.29
130.0	12.48	12.79	13.11	13.42	13.73	14.04	14.35	14.67	14.98	15.29
140.0	12.48	12.79	13.11	13.42	13.73	14.04	14.35	14.67	14.98	15.29
150.0	12.48	12.79	13.11	13.42	13.73	14.04	14.35	14.67	14.98	15.29
160.0	12.48	12.79	13.11	13.42	13.73	14.04	14.35	14.67	14.98	15.29
170.0	12.48	12.79	13.11	13.42	13.73	14.04	14.35	14.67	14.98	15.29
180.0	12.48	12.79	13.11	13.42	13.73	14.04	14.35	14.67	14.98	15.29
190.0	12.48	12.79	13.11	13.42	13.73	14.04	14.35	14.67	14.98	15.29
200.0	12.48	12.79	13.11	13.42	13.73	14.04	14.35	14.67	14.98	15.29
220.0	12.48	12.79	13.11	13.42	13.73	14.04	14.35	14.67	14.98	15.29
240.0	12.48	12.79	13.11	13.42	13.73	14.04	14.35	14.67	14.98	15.29
260.0	12.48	12.79	13.11	13.42	13.73	14.04	14.35	14.67	14.98	15.29
280.0	12.48	12.79	13.11	13.42	13.73	14.04	14.35	14.67	14.98	15.29
300.0	12.48	12.79	13.11	13.42	13.73	14.04	14.35	14.67	14.98	15.29

229 (SEC)	10.00	10.20	10.40	10.60	10.80	11.00	11.20	11.40	11.60	11.80
2.0	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39
4.0	1.97	1.97	1.97	1.97	1.97	1.97	1.97	1.97	1.97	1.97
6.0	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.41
8.0	2.78	2.78	2.78	2.78	2.78	2.78	2.78	2.78	2.78	2.78
10.0	3.11	3.11	3.11	3.11	3.11	3.11	3.11	3.11	3.11	3.11
12.0	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40
14.0	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67
16.0	3.91	3.92	3.92	3.92	3.92	3.92	3.92	3.92	3.92	3.92
18.0	4.15	4.15	4.15	4.15	4.15	4.15	4.16	4.16	4.16	4.16
20.0	4.36	4.37	4.37	4.37	4.37	4.37	4.38	4.38	4.38	4.38
22.0	4.57	4.57	4.58	4.58	4.58	4.58	4.59	4.59	4.59	4.59
24.0	4.77	4.77	4.77	4.78	4.78	4.78	4.78	4.79	4.79	4.79
26.0	4.96	4.96	4.96	4.97	4.97	4.97	4.98	4.98	4.98	4.98
28.0	5.14	5.14	5.14	5.15	5.15	5.15	5.16	5.16	5.16	5.16
30.0	5.31	5.31	5.32	5.32	5.33	5.33	5.33	5.33	5.34	5.34
32.0	5.48	5.48	5.49	5.49	5.49	5.50	5.50	5.50	5.51	5.51
34.0	5.64	5.64	5.65	5.65	5.66	5.66	5.66	5.67	5.67	5.67
36.0	5.79	5.80	5.80	5.81	5.81	5.82	5.82	5.83	5.83	5.83
38.0	5.94	5.95	5.96	5.96	5.97	5.97	5.98	5.98	5.98	5.99
40.0	6.09	6.10	6.10	6.11	6.11	6.12	6.12	6.13	6.13	6.14
42.0	6.23	6.24	6.25	6.25	6.26	6.26	6.27	6.27	6.28	6.28
44.0	6.37	6.38	6.39	6.39	6.40	6.40	6.41	6.42	6.42	6.42
46.0	6.50	6.51	6.52	6.53	6.53	6.54	6.55	6.56	6.56	6.56
48.0	6.63	6.64	6.65	6.66	6.67	6.67	6.68	6.69	6.69	6.70
50.0	6.76	6.77	6.78	6.79	6.80	6.80	6.81	6.82	6.82	6.83
52.0	7.07	7.08	7.09	7.10	7.11	7.11	7.12	7.13	7.14	7.14
54.0	7.36	7.37	7.38	7.39	7.40	7.41	7.42	7.43	7.44	7.44
56.0	7.63	7.64	7.66	7.67	7.68	7.69	7.70	7.71	7.72	7.73
58.0	7.89	7.91	7.92	7.93	7.95	7.95	7.97	7.98	7.99	8.00
60.0	8.14	8.15	8.17	8.19	8.20	8.21	8.23	8.24	8.25	8.26
62.0	8.38	8.39	8.41	8.43	8.44	8.46	8.47	8.49	8.50	8.51
64.0	8.60	8.62	8.64	8.66	8.68	8.69	8.71	8.72	8.74	8.75
66.0	8.82	8.84	8.86	8.88	8.90	8.92	8.94	8.95	8.97	8.98
68.0	9.03	9.05	9.08	9.10	9.12	9.14	9.15	9.17	9.19	9.20
70.0	9.23	9.26	9.29	9.30	9.33	9.35	9.37	9.38	9.40	9.42
72.0	9.42	9.45	9.48	9.50	9.53	9.55	9.57	9.59	9.63	9.63
74.0	9.61	9.64	9.67	9.70	9.72	9.75	9.77	9.79	9.81	9.83
76.0	9.79	9.82	9.85	9.88	9.91	9.93	9.96	9.98	10.00	10.02
78.0	9.97	10.00	10.03	10.06	10.09	10.12	10.14	10.17	10.19	10.21
80.0	10.13	10.17	10.20	10.24	10.27	10.31	10.32	10.35	10.37	10.40
82.0	10.30	10.34	10.37	10.41	10.44	10.47	10.50	10.52	10.55	10.58
84.0	10.45	10.49	10.53	10.57	10.60	10.64	10.67	10.70	10.72	10.75
86.0	10.61	10.65	10.69	10.73	10.76	10.80	10.83	10.86	10.89	10.92
88.0	10.75	10.80	10.84	10.88	10.92	10.96	10.99	11.02	11.05	11.08
90.0	10.90	10.95	10.99	11.03	11.07	11.11	11.15	11.18	11.21	11.24
92.0	11.04	11.09	11.13	11.18	11.22	11.26	11.30	11.33	11.37	11.40
94.0	11.17	11.22	11.27	11.32	11.36	11.40	11.44	11.48	11.52	11.55
96.0	11.30	11.36	11.41	11.46	11.50	11.55	11.59	11.63	11.66	11.70
98.0	11.43	11.49	11.54	11.59	11.64	11.68	11.73	11.77	11.81	11.84
100.0	11.55	11.61	11.67	11.72	11.77	11.82	11.86	11.91	11.95	11.99
102.0	11.67	11.73	11.79	11.85	11.90	11.95	12.00	12.04	12.08	12.12
104.0	11.79	11.85	11.91	11.97	12.03	12.09	12.13	12.17	12.22	12.26
106.0	11.90	11.97	12.03	12.09	12.15	12.20	12.25	12.30	12.35	12.39
108.0	12.01	12.08	12.15	12.21	12.27	12.32	12.37	12.43	12.47	12.52
110.0	12.12	12.19	12.26	12.32	12.38	12.44	12.50	12.56	12.60	12.64
112.0	12.32	12.40	12.47	12.54	12.61	12.67	12.73	12.78	12.84	12.89
114.0	12.51	12.60	12.67	12.74	12.82	12.88	12.95	13.01	13.07	13.12
116.0	12.70	12.78	12.87	12.96	13.02	13.09	13.16	13.22	13.29	13.34
118.0	12.87	12.96	13.05	13.13	13.21	13.29	13.36	13.43	13.49	13.56
120.0	13.03	13.13	13.22	13.31	13.40	13.49	13.55	13.63	13.69	13.76
122.0	13.18	13.29	13.39	13.48	13.57	13.66	13.74	13.81	13.89	13.96
124.0	13.33	13.44	13.55	13.65	13.74	13.83	13.91	13.99	14.07	14.14
126.0	13.47	13.58	13.69	13.80	13.90	13.99	14.08	14.17	14.25	14.32
128.0	13.60	13.72	13.84	13.95	14.05	14.15	14.24	14.33	14.42	14.50
130.0	13.72	13.85	13.97	14.08	14.19	14.30	14.40	14.49	14.58	14.66
132.0	13.95	14.09	14.22	14.34	14.46	14.58	14.68	14.77	14.88	14.98
134.0	14.15	14.30	14.44	14.58	14.71	14.83	14.95	15.06	15.16	15.27
136.0	14.33	14.49	14.64	14.79	14.93	15.06	15.19	15.31	15.42	15.53
138.0	14.47	14.66	14.82	14.98	15.13	15.27	15.41	15.54	15.66	15.79
140.0	14.63	14.81	14.98	15.15	15.31	15.46	15.61	15.75	15.89	16.01
142.0	14.75	14.95	15.13	15.31	15.49	15.64	15.79	15.94	16.08	16.21
144.0	14.89	15.07	15.26	15.45	15.62	15.77	15.92	16.07	16.21	16.34
146.0	14.96	15.17	15.38	15.57	15.75	15.94	16.11	16.28	16.43	16.59
148.0	15.05	15.27	15.48	15.68	15.88	16.07	16.25	16.42	16.59	16.75
150.0	15.12	15.35	15.57	15.78	15.99	16.19	16.37	16.56	16.73	16.90
152.0	15.27	15.52	15.76	15.99	16.21	16.43	16.64	16.84	17.04	17.22
154.0	15.37	15.64	15.89	16.14	16.38	16.62	16.84	17.06	17.28	17.48
156.0	15.45	15.72	15.99	16.25	16.51	16.76	17.00	17.24	17.47	17.69
158.0	15.50	15.79	16.06	16.33	16.60	16.87	17.12	17.37	17.62	17.85
160.0	15.53	15.82	16.11	16.39	16.67	16.95	17.21	17.48	17.73	17.98
162.0	15.55	15.85	16.15	16.44	16.72	17.00	17.28	17.55	17.82	18.08
164.0	15.57	15.87	16.17	16.47	16.76	17.05	17.33	17.61	17.89	18.15
166.0	15.58	15.89	16.19	16.49	16.79	17.08	17.37	17.66	17.94	18.22
168.0	15.59	15.89	16.20	16.50	16.80	17.10	17.40	17.70	18.00	18.27
170.0	15.59	15.90	16.21	16.51	16.82	17.12	17.42	17.72	18.01	18.30
172.0	15.60	15.91	16.22	16.53	16.83	17.14	17.45	17.75	18.05	18.35
174.0	15.60	15.91	16.22	16.53	16.84	17.15	17.46	17.77	18.07	18.38
176.0	15.60	15.91	16.23	16.54	16.85	17.15	17.47	17.78	18.08	18.39
178.0	15.60	15.91	16.23	16.54	16.85	17.16	17.47	17.78	18.09	18.40
180.0	15.60	15.91	16.23	16.54	16.85	17.16	17.47	17.78	18.10	18.41
182.0	15.60	15.91	16.23	16.54	16.85	17.16	17.47	17.78	18.10	18.41
184.0	15.60	15.91	16.23	16.54	16.85	17.16	17.47	17.78	18.10	18.41
186.0	15.60	15.91	16.23	16.54	16.85	17.16	17.47	17.78	18.10	18.41
188.0	15.60	15.91	16.23	16.54	16.85	17.16	17.47	17.78	18.10	18.41
190.0	15.60	15.91	16.23	16.54	16.85	17.16	17.47	17.78	18.10	18.41
192.0	15.60	15.91	16.23	16.54	16.85	17.16	17.47	17.78	18.10	18.41
194.0	15.60	15.91	16.23	16.54	16.85	17.16	17.47	17.78	18.10	18.41
196.0	15.60	15.91	16.23	16.54	16.85	17.16	17.47	17.78	18.10	18.41
198.0	15.60	15.91	16.23	16.54	16.85	17.16	17.47	17.78		

ΔT (SEC)	12.00	12.20	12.40	12.60	12.80	13.00	13.20	13.40	13.60	13.80
0.2	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39
0.4	1.97	1.97	1.97	1.97	1.97	1.97	1.97	1.97	1.97	1.97
0.6	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.41	2.41
0.8	2.79	2.79	2.79	2.79	2.79	2.79	2.79	2.79	2.79	2.79
1.0	3.11	3.11	3.11	3.11	3.11	3.11	3.11	3.11	3.11	3.11
1.2	3.41	3.41	3.41	3.41	3.41	3.41	3.41	3.41	3.41	3.41
1.4	3.68	3.68	3.68	3.68	3.68	3.68	3.68	3.68	3.68	3.68
1.6	3.93	3.93	3.93	3.93	3.93	3.93	3.93	3.93	3.93	3.93
1.8	4.16	4.16	4.16	4.16	4.16	4.16	4.16	4.16	4.16	4.16
2.0	4.38	4.38	4.38	4.38	4.38	4.38	4.38	4.38	4.38	4.38
2.2	4.59	4.59	4.59	4.59	4.59	4.59	4.59	4.59	4.59	4.59
2.4	4.79	4.79	4.79	4.79	4.79	4.79	4.79	4.79	4.79	4.79
2.6	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98
2.8	5.17	5.17	5.17	5.17	5.17	5.17	5.17	5.17	5.17	5.17
3.0	5.34	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35
3.2	5.51	5.52	5.52	5.52	5.52	5.52	5.52	5.52	5.52	5.52
3.4	5.68	5.68	5.68	5.68	5.68	5.68	5.68	5.68	5.68	5.68
3.6	5.84	5.84	5.84	5.84	5.84	5.84	5.84	5.84	5.84	5.84
3.8	5.99	5.99	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00
4.0	6.14	6.14	6.15	6.15	6.15	6.15	6.15	6.15	6.15	6.15
4.2	6.27	6.29	6.29	6.29	6.29	6.29	6.29	6.29	6.29	6.29
4.4	6.43	6.43	6.43	6.43	6.43	6.43	6.43	6.43	6.43	6.43
4.6	6.57	6.57	6.58	6.58	6.58	6.58	6.58	6.58	6.58	6.58
4.8	6.73	6.71	6.71	6.71	6.71	6.71	6.71	6.71	6.71	6.71
5.0	6.85	6.84	6.84	6.84	6.84	6.84	6.84	6.84	6.84	6.84
5.5	7.15	7.16	7.16	7.16	7.16	7.16	7.16	7.16	7.16	7.16
6.0	7.45	7.46	7.46	7.46	7.46	7.46	7.46	7.46	7.46	7.46
6.5	7.74	7.74	7.74	7.74	7.74	7.74	7.74	7.74	7.74	7.74
7.0	8.01	8.02	8.03	8.03	8.03	8.03	8.03	8.03	8.03	8.03
7.5	8.27	8.28	8.29	8.29	8.29	8.29	8.29	8.29	8.29	8.29
8.0	8.52	8.53	8.54	8.54	8.54	8.54	8.54	8.54	8.54	8.54
8.5	8.76	8.77	8.77	8.77	8.77	8.77	8.77	8.77	8.77	8.77
9.0	8.99	9.01	9.02	9.02	9.02	9.02	9.02	9.02	9.02	9.02
9.5	9.22	9.23	9.23	9.23	9.23	9.23	9.23	9.23	9.23	9.23
10.0	9.43	9.45	9.46	9.46	9.46	9.46	9.46	9.46	9.46	9.46
10.5	9.64	9.66	9.66	9.66	9.66	9.66	9.66	9.66	9.66	9.66
11.0	9.85	9.86	9.86	9.86	9.86	9.86	9.86	9.86	9.86	9.86
11.5	10.04	10.06	10.06	10.06	10.06	10.06	10.06	10.06	10.06	10.06
12.0	10.23	10.25	10.25	10.25	10.25	10.25	10.25	10.25	10.25	10.25
12.5	10.42	10.44	10.44	10.44	10.44	10.44	10.44	10.44	10.44	10.44
13.0	10.60	10.62	10.62	10.62	10.62	10.62	10.62	10.62	10.62	10.62
13.5	10.77	10.80	10.80	10.80	10.80	10.80	10.80	10.80	10.80	10.80
14.0	10.94	10.97	10.97	10.97	10.97	10.97	10.97	10.97	10.97	10.97
14.5	11.11	11.14	11.14	11.14	11.14	11.14	11.14	11.14	11.14	11.14
15.0	11.27	11.30	11.30	11.30	11.30	11.30	11.30	11.30	11.30	11.30
15.5	11.43	11.46	11.46	11.46	11.46	11.46	11.46	11.46	11.46	11.46
16.0	11.59	11.61	11.61	11.61	11.61	11.61	11.61	11.61	11.61	11.61
16.5	11.75	11.77	11.77	11.77	11.77	11.77	11.77	11.77	11.77	11.77
17.0	11.91	11.93	11.93	11.93	11.93	11.93	11.93	11.93	11.93	11.93
17.5	12.07	12.06	12.06	12.06	12.06	12.06	12.06	12.06	12.06	12.06
18.0	12.23	12.23	12.23	12.23	12.23	12.23	12.23	12.23	12.23	12.23
18.5	12.39	12.34	12.34	12.34	12.34	12.34	12.34	12.34	12.34	12.34
19.0	12.47	12.47	12.47	12.47	12.47	12.47	12.47	12.47	12.47	12.47
19.5	12.55	12.60	12.60	12.60	12.60	12.60	12.60	12.60	12.60	12.60
20.0	12.69	12.73	12.73	12.73	12.73	12.73	12.73	12.73	12.73	12.73
21.0	12.94	12.98	13.02	13.07	13.11	13.14	13.18	13.21	13.25	13.28
22.0	13.17	13.22	13.27	13.31	13.35	13.37	13.41	13.44	13.47	13.50
23.0	13.40	13.45	13.50	13.55	13.59	13.63	13.66	13.70	13.73	13.76
24.0	13.61	13.67	13.72	13.77	13.82	13.87	13.91	13.95	13.99	14.02
25.0	13.82	13.88	13.94	13.99	14.04	14.09	14.14	14.18	14.23	14.27
26.0	14.02	14.08	14.14	14.20	14.26	14.31	14.36	14.41	14.45	14.49
27.0	14.21	14.28	14.34	14.40	14.46	14.52	14.57	14.62	14.67	14.71
28.0	14.40	14.47	14.53	14.60	14.66	14.72	14.77	14.82	14.88	14.92
29.0	14.58	14.65	14.72	14.79	14.85	14.91	14.97	15.02	15.08	15.13
30.0	14.75	14.82	14.90	14.97	15.03	15.10	15.16	15.22	15.27	15.33
32.0	15.07	15.15	15.23	15.31	15.38	15.45	15.52	15.59	15.65	15.71
34.0	15.36	15.46	15.54	15.63	15.71	15.79	15.86	15.94	16.00	16.06
36.0	15.64	15.74	15.83	15.92	16.01	16.09	16.17	16.25	16.32	16.39
38.0	15.89	16.00	16.11	16.20	16.29	16.34	16.41	16.47	16.53	16.59
40.0	16.13	16.24	16.35	16.46	16.56	16.65	16.75	16.84	16.92	17.00
42.0	16.34	16.47	16.59	16.70	16.81	16.91	17.01	17.11	17.20	17.29
44.0	16.54	16.68	16.81	16.92	17.04	17.15	17.25	17.35	17.44	17.53
46.0	16.73	16.87	17.00	17.13	17.25	17.37	17.50	17.61	17.70	17.79
48.0	16.90	17.05	17.17	17.32	17.45	17.58	17.70	17.81	17.92	18.03
50.0	17.06	17.21	17.35	17.51	17.64	17.77	17.90	18.02	18.14	18.25
55.0	17.40	17.58	17.74	17.90	18.06	18.21	18.35	18.49	18.62	18.75
60.0	17.68	17.87	18.06	18.24	18.41	18.57	18.73	18.88	19.03	19.18
65.0	17.91	18.11	18.31	18.51	18.70	18.88	19.05	19.22	19.39	19.56
70.0	18.09	18.31	18.52	18.74	18.94	19.14	19.33	19.51	19.69	19.86
75.0	18.23	18.46	18.70	18.92	19.14	19.35	19.55	19.75	19.94	20.13
80.0	18.34	18.59	18.83	19.07	19.30	19.53	19.74	19.96	20.16	20.36
85.0	18.43	18.69	18.91	19.19	19.43	19.67	19.90	20.13	20.35	20.56
90.0	18.50	18.77	19.03	19.29	19.54	19.77	20.03	20.27	20.50	20.72
95.0	18.55	18.83	19.11	19.37	19.63	19.88	20.14	20.39	20.63	20.86
100.0	18.59	18.87	19.15	19.43	19.70	19.97	20.23	20.48	20.73	20.98
110.0	18.65	18.94	19.23	19.52	19.80	20.04	20.36	20.63	20.90	21.16
120.0	18.68	18.97	19.28	19.57	19.87	20.16	20.44	20.73	21.01	21.28
130.0	18.70	19.00	19.31	19.61	19.91	20.20	20.50	20.79	21.08	21.37
140.0	18.71	19.02	19.32	19.63	19.93	20.23	20.53	20.83	21.13	21.42
150.0	18.72	19.03	19.33	19.64	19.95	20.25	20.56	20.86	21.16	21.46
160.0	18.72	19.03	19.34	19.65	19.96	20.27	20.57	20.88	21.18	21.48
170.0	18.72	19.03	19.35	19.66	19.97	20.27	20.58	20.89	21.20	21.50
180.0	18.72	19.03	19.35	19.66	19.97	20.28	20.59	20.90	21.21	21.51
190.0	18.72	19.04	19.35	19.66	19.97	20.28	20.60	20.91	21.22	21.53
200.0	18.72	19.04	19.35	19.66	19.97	20.29	20.61	20.92	21.23	21.54
220.0	18.72	19.04	19.35	19.66	19.97	20.29	20.62	20.93	21.24	21.55
240.0	18.72	19.04	19.35	19.66	19.97	20.29	20.62	20.93	21.24	21.55
260.0	18.72	19.04	19.35	19.66	19.97	20.29	20.62	20.93	21.24	21.55
280.0	18.72	19.04	19.35	19.66	19.97	20.29	20.62	20.93	21.24	21.55
300.0	18.72	19.04	19.35	19.66	19.97	20.29	20.62	20.93	21.24	21.55

3398 (SEC)	14.00	14.20	14.40	14.60	14.80	15.00	15.20	15.40	15.60	15.80
3399 (M)										
.2	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39
.4	1.97	1.97	1.97	1.97	1.97	1.97	1.97	1.97	1.97	1.97
.6	2.42	2.42	2.42	2.42	2.42	2.42	2.42	2.42	2.42	2.42
.8	2.79	2.79	2.79	2.79	2.79	2.79	2.79	2.79	2.79	2.79
1.0	3.12	3.12	3.12	3.12	3.12	3.12	3.12	3.12	3.12	3.12
1.2	3.41	3.41	3.41	3.41	3.41	3.41	3.41	3.41	3.41	3.41
1.4	3.68	3.68	3.68	3.68	3.68	3.68	3.68	3.68	3.68	3.68
1.6	3.93	3.94	3.94	3.94	3.94	3.94	3.94	3.94	3.94	3.94
1.8	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17
2.0	4.39	4.39	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40
2.2	4.60	4.61	4.61	4.61	4.61	4.61	4.61	4.61	4.61	4.61
2.4	4.81	4.81	4.81	4.81	4.81	4.81	4.81	4.81	4.81	4.81
2.6	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
2.8	5.18	5.19	5.19	5.19	5.19	5.19	5.19	5.19	5.19	5.19
3.0	5.36	5.36	5.37	5.37	5.37	5.37	5.37	5.37	5.37	5.37
3.2	5.54	5.54	5.54	5.54	5.54	5.54	5.54	5.55	5.55	5.55
3.4	5.70	5.70	5.71	5.71	5.71	5.71	5.71	5.71	5.72	5.72
3.6	5.86	5.87	5.87	5.87	5.87	5.87	5.87	5.88	5.88	5.88
3.8	6.02	6.02	6.02	6.03	6.03	6.03	6.03	6.03	6.04	6.04
4.0	6.17	6.17	6.18	6.18	6.18	6.18	6.19	6.19	6.19	6.19
4.2	6.32	6.32	6.33	6.33	6.33	6.33	6.33	6.34	6.34	6.34
4.4	6.46	6.47	6.47	6.47	6.48	6.48	6.48	6.48	6.48	6.49
4.6	6.61	6.61	6.61	6.61	6.62	6.62	6.62	6.62	6.63	6.63
4.8	6.74	6.75	6.75	6.75	6.75	6.76	6.76	6.76	6.76	6.77
5.0	6.89	6.88	6.88	6.88	6.89	6.89	6.89	6.90	6.90	6.90
5.5	7.20	7.20	7.21	7.21	7.22	7.22	7.22	7.22	7.23	7.23
6.0	7.51	7.51	7.52	7.52	7.52	7.53	7.53	7.54	7.54	7.54
6.5	7.80	7.81	7.81	7.82	7.82	7.82	7.83	7.83	7.84	7.84
7.0	8.08	8.09	8.09	8.10	8.10	8.11	8.11	8.12	8.12	8.12
7.5	8.35	8.36	8.36	8.37	8.37	8.38	8.38	8.39	8.39	8.40
8.0	8.61	8.62	8.62	8.63	8.63	8.64	8.65	8.65	8.66	8.66
8.5	8.86	8.87	8.87	8.88	8.89	8.89	8.90	8.90	8.91	8.92
9.0	9.10	9.11	9.12	9.12	9.13	9.14	9.14	9.15	9.16	9.16
9.5	9.33	9.34	9.35	9.36	9.37	9.37	9.38	9.39	9.39	9.40
10.0	9.56	9.57	9.58	9.59	9.59	9.60	9.61	9.62	9.62	9.63
10.5	9.78	9.79	9.80	9.81	9.82	9.82	9.83	9.84	9.85	9.86
11.0	9.99	10.00	10.01	10.02	10.03	10.04	10.05	10.06	10.07	10.07
11.5	10.20	10.21	10.22	10.23	10.24	10.25	10.26	10.27	10.28	10.29
12.0	10.40	10.41	10.42	10.43	10.44	10.45	10.46	10.47	10.48	10.49
12.5	10.59	10.60	10.62	10.63	10.64	10.65	10.66	10.67	10.68	10.69
13.0	10.78	10.80	10.81	10.82	10.83	10.85	10.86	10.87	10.88	10.89
13.5	10.97	10.98	11.00	11.01	11.02	11.04	11.05	11.06	11.07	11.08
14.0	11.15	11.16	11.18	11.19	11.21	11.22	11.23	11.25	11.26	11.27
14.5	11.33	11.34	11.36	11.37	11.39	11.40	11.42	11.43	11.44	11.45
15.0	11.50	11.52	11.53	11.55	11.56	11.58	11.59	11.61	11.62	11.63
15.5	11.67	11.69	11.70	11.72	11.74	11.75	11.77	11.78	11.80	11.81
16.0	11.83	11.85	11.87	11.89	11.91	11.92	11.94	11.95	11.97	11.98
16.5	12.00	12.01	12.02	12.05	12.07	12.09	12.10	12.12	12.13	12.15
17.0	12.15	12.17	12.19	12.21	12.23	12.25	12.27	12.28	12.30	12.31
17.5	12.31	12.33	12.35	12.37	12.39	12.41	12.43	12.44	12.46	12.48
18.0	12.46	12.48	12.50	12.53	12.55	12.57	12.58	12.60	12.62	12.64
18.5	12.61	12.63	12.65	12.68	12.70	12.72	12.74	12.76	12.77	12.79
19.0	12.75	12.78	12.80	12.83	12.85	12.87	12.89	12.91	12.93	12.95
19.5	12.90	12.92	12.95	12.97	12.99	13.02	13.04	13.05	13.08	13.10
20.0	13.04	13.06	13.09	13.11	13.14	13.16	13.18	13.20	13.22	13.24
21.0	13.31	13.34	13.37	13.39	13.42	13.44	13.47	13.49	13.51	13.53
22.0	13.57	13.60	13.63	13.66	13.69	13.72	13.74	13.77	13.79	13.81
23.0	13.83	13.86	13.89	13.92	13.95	13.98	14.01	14.03	14.06	14.08
24.0	14.07	14.11	14.14	14.17	14.20	14.23	14.26	14.29	14.31	14.34
25.0	14.31	14.34	14.38	14.42	14.45	14.48	14.51	14.54	14.57	14.60
26.0	14.54	14.58	14.61	14.65	14.69	14.72	14.75	14.78	14.81	14.84
27.0	14.76	14.80	14.84	14.88	14.92	14.95	14.99	15.02	15.05	15.08
28.0	14.97	15.02	15.06	15.10	15.14	15.18	15.21	15.25	15.29	15.31
29.0	15.18	15.22	15.27	15.31	15.35	15.39	15.43	15.47	15.50	15.54
30.0	15.39	15.43	15.48	15.52	15.56	15.61	15.65	15.69	15.72	15.76
32.0	15.70	15.82	15.87	15.92	15.97	16.01	16.06	16.11	16.14	16.18
34.0	16.12	16.18	16.24	16.29	16.35	16.40	16.44	16.49	16.54	16.58
36.0	16.46	16.53	16.59	16.65	16.70	16.76	16.81	16.86	16.91	16.96
38.0	16.79	16.85	16.92	16.98	17.04	17.10	17.16	17.22	17.27	17.32
40.0	17.09	17.16	17.23	17.30	17.37	17.43	17.49	17.55	17.61	17.66
42.0	17.37	17.45	17.53	17.60	17.67	17.74	17.81	17.87	17.93	17.99
44.0	17.64	17.72	17.81	17.88	17.96	18.03	18.11	18.17	18.24	18.30
46.0	17.89	17.98	18.07	18.15	18.24	18.31	18.39	18.46	18.53	18.60
48.0	18.13	18.23	18.32	18.41	18.50	18.58	18.66	18.74	18.81	18.88
50.0	18.36	18.46	18.56	18.65	18.75	18.83	18.92	19.01	19.08	19.16
55.0	18.87	18.99	19.11	19.21	19.31	19.41	19.51	19.61	19.70	19.78
60.0	19.31	19.44	19.57	19.69	19.81	19.93	20.04	20.14	20.24	20.34
65.0	19.70	19.84	19.97	20.12	20.25	20.34	20.50	20.62	20.73	20.84
70.0	20.03	20.19	20.34	20.48	20.64	20.78	20.91	21.03	21.17	21.29
75.0	20.31	20.49	20.65	20.82	20.98	21.13	21.28	21.42	21.56	21.69
80.0	20.56	20.74	20.93	21.10	21.27	21.44	21.60	21.75	21.90	22.05
85.0	20.76	20.96	21.16	21.36	21.53	21.71	21.88	22.05	22.21	22.36
90.0	20.94	21.15	21.36	21.56	21.76	21.94	22.13	22.31	22.48	22.65
95.0	21.09	21.32	21.53	21.74	21.95	22.15	22.35	22.54	22.72	22.90
100.0	21.22	21.45	21.68	21.90	22.12	22.33	22.54	22.74	22.93	23.12
110.0	21.42	21.67	21.91	22.16	22.39	22.62	22.85	23.07	23.28	23.49
120.0	21.55	21.82	22.08	22.34	22.59	22.84	23.08	23.32	23.55	23.78
130.0	21.65	21.93	22.20	22.47	22.74	23.00	23.26	23.51	23.76	24.00
140.0	21.71	22.00	22.28	22.56	22.84	23.12	23.38	23.65	23.91	24.17
150.0	21.76	22.05	22.34	22.63	22.92	23.20	23.46	23.75	24.03	24.29
160.0	21.79	22.09	22.38	22.68	22.97	23.26	23.55	23.8	24.11	24.39
170.0	21.81	22.11	22.41	22.71	23.01	23.30	23.60	23.89	24.17	24.46
180.0	21.82	22.12	22.43	22.73	23.03	23.33	23.63	23.9	24.22	24.51
190.0	21.84	22.14	22.44	22.75	23.05	23.36	23.66	23.96	24.25	24.55
200.0	21.85	22.14	22.45	22.76	23.07	23.37	23.67	23.98	24.28	24.58
220.0	21.84	22.15	22.46	22.77	23.08	23.39	23.70	24.01	24.31	24.61
240.0	21.84	22.15	22.47	22.78	23.09	23.40	23.71	24.02	24.33	24.63
260.0	21.84	22.16	22.47	22.78	23.09	23.40	23.71	24.02	24.33	24.64
280.0	21.85	22.16	22.47	22.78	23.09	23.40	23.72	24.03	24.34	24.65
300.0	21.85	22.16	22.47	22.78	23.09	23.41	23.72	24.03	24.34	24.65

220° (SEC)	16.0J	16.20	16.40	16.60	16.80	17.0J	17.20	17.40	17.60	17.80
1.0	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39
1.2	3.41	3.41	3.42	3.42	3.42	3.42	3.42	3.42	3.42	3.42
1.4	3.69	3.69	3.69	3.69	3.69	3.69	3.69	3.69	3.69	3.69
1.6	3.94	3.94	3.94	3.94	3.94	3.94	3.94	3.94	3.94	3.94
1.8	4.13	4.14	4.18	4.18	4.18	4.18	4.18	4.18	4.18	4.18
2.0	4.43	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40
2.2	4.61	4.61	4.61	4.61	4.62	4.62	4.62	4.62	4.62	4.62
2.4	4.82	4.82	4.82	4.82	4.82	4.82	4.82	4.82	4.82	4.82
2.6	5.01	5.01	5.01	5.01	5.01	5.01	5.01	5.01	5.01	5.01
2.8	5.23	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20	5.20
3.0	5.33	5.38	5.38	5.38	5.38	5.38	5.38	5.38	5.38	5.38
3.2	5.55	5.55	5.55	5.55	5.55	5.55	5.55	5.55	5.55	5.55
3.4	5.72	5.72	5.72	5.72	5.72	5.72	5.72	5.72	5.72	5.72
3.6	5.83	5.88	5.88	5.88	5.88	5.88	5.88	5.88	5.88	5.88
3.8	6.04	6.04	6.04	6.04	6.04	6.04	6.04	6.04	6.04	6.04
4.0	6.13	6.19	6.20	6.20	6.20	6.20	6.20	6.20	6.20	6.20
4.2	6.34	6.34	6.35	6.35	6.35	6.35	6.35	6.35	6.35	6.35
4.4	6.49	6.49	6.49	6.49	6.49	6.49	6.49	6.49	6.49	6.49
4.6	6.65	6.63	6.63	6.63	6.64	6.64	6.64	6.64	6.64	6.64
4.8	6.77	6.77	6.77	6.77	6.78	6.78	6.78	6.78	6.78	6.78
5.0	6.91	6.91	6.91	6.91	6.91	6.91	6.91	6.91	6.91	6.91
5.5	7.23	7.24	7.24	7.24	7.24	7.25	7.25	7.25	7.25	7.25
6.0	7.54	7.55	7.55	7.55	7.56	7.56	7.56	7.56	7.57	7.57
6.5	7.84	7.85	7.85	7.85	7.86	7.86	7.86	7.86	7.87	7.87
7.0	8.13	8.13	8.13	8.13	8.14	8.14	8.14	8.14	8.15	8.15
7.5	8.40	8.41	8.41	8.41	8.42	8.42	8.43	8.43	8.43	8.43
8.0	8.67	8.67	8.68	8.68	8.68	8.69	8.69	8.69	8.70	8.70
8.5	8.92	8.93	8.93	8.94	8.94	8.94	8.95	8.95	8.96	8.96
9.0	9.17	9.17	9.18	9.18	9.18	9.19	9.19	9.19	9.20	9.20
9.5	9.41	9.41	9.42	9.42	9.42	9.43	9.43	9.43	9.44	9.44
10.0	9.64	9.64	9.65	9.66	9.66	9.67	9.67	9.67	9.68	9.68
10.5	9.85	9.87	9.88	9.88	9.89	9.89	9.89	9.90	9.91	9.91
11.0	10.08	10.09	10.10	10.10	10.11	10.11	10.12	10.12	10.13	10.13
11.5	10.29	10.30	10.31	10.32	10.32	10.33	10.34	10.34	10.35	10.36
12.0	10.53	10.51	10.52	10.53	10.53	10.54	10.55	10.55	10.56	10.57
12.5	10.73	10.71	10.72	10.73	10.74	10.74	10.75	10.75	10.77	10.77
13.0	10.90	10.91	10.92	10.93	10.94	10.94	10.95	10.96	10.97	10.97
13.5	11.09	11.10	11.11	11.12	11.13	11.14	11.15	11.16	11.17	11.17
14.0	11.28	11.29	11.30	11.31	11.32	11.33	11.34	11.35	11.36	11.36
14.5	11.47	11.48	11.49	11.50	11.51	11.52	11.53	11.54	11.54	11.55
15.0	11.65	11.66	11.67	11.68	11.69	11.70	11.71	11.72	11.73	11.74
15.5	11.82	11.83	11.85	11.86	11.87	11.88	11.89	11.91	11.91	11.92
16.0	11.99	12.01	12.02	12.03	12.04	12.05	12.07	12.07	12.09	12.10
16.5	12.16	12.18	12.19	12.20	12.21	12.23	12.24	12.25	12.26	12.27
17.0	12.33	12.34	12.36	12.37	12.38	12.40	12.41	12.42	12.43	12.44
17.5	12.49	12.51	12.52	12.54	12.55	12.56	12.57	12.59	12.60	12.61
18.0	12.65	12.67	12.68	12.70	12.71	12.72	12.74	12.75	12.76	12.77
18.5	12.81	12.83	12.84	12.86	12.87	12.88	12.90	12.91	12.92	12.94
19.0	12.96	12.98	13.00	13.01	13.03	13.04	13.06	13.07	13.09	13.10
19.5	13.11	13.13	13.15	13.16	13.18	13.20	13.21	13.22	13.24	13.25
20.0	13.26	13.28	13.30	13.32	13.33	13.35	13.36	13.38	13.39	13.40
20.5	13.55	13.57	13.59	13.61	13.63	13.64	13.66	13.68	13.69	13.71
21.0	13.73	13.75	13.77	13.79	13.81	13.82	13.84	13.86	13.87	13.90
21.5	14.10	14.13	14.15	14.17	14.19	14.21	14.23	14.26	14.28	14.29
22.0	14.37	14.39	14.41	14.44	14.46	14.48	14.50	14.52	14.54	14.55
22.5	14.62	14.65	14.67	14.70	14.72	14.74	14.76	14.78	14.80	14.82
23.0	14.87	14.90	14.92	14.95	14.97	15.00	15.02	15.04	15.06	15.08
23.5	15.11	15.14	15.17	15.19	15.22	15.24	15.27	15.29	15.31	15.33
24.0	15.34	15.37	15.40	15.43	15.46	15.48	15.51	15.53	15.55	15.58
24.5	15.57	15.60	15.63	15.66	15.69	15.72	15.75	15.77	15.80	15.82
25.0	15.77	15.83	15.86	15.89	15.92	15.95	15.98	16.01	16.03	16.05
25.5	16.22	16.25	16.29	16.32	16.36	16.39	16.42	16.45	16.48	16.50
26.0	16.52	16.56	16.59	16.64	16.67	16.69	16.74	16.77	16.80	16.82
26.5	17.00	17.05	17.09	17.13	17.17	17.21	17.24	17.28	17.31	17.34
27.0	17.37	17.42	17.46	17.51	17.55	17.59	17.63	17.67	17.70	17.74
27.5	17.72	17.77	17.82	17.86	17.91	17.95	18.00	18.04	18.08	18.12
28.0	18.09	18.10	18.15	18.21	18.25	18.30	18.35	18.40	18.44	18.48
28.5	18.36	18.42	18.44	18.53	18.59	18.64	18.69	18.74	18.79	18.84
29.0	18.67	18.73	18.79	18.85	18.90	18.96	19.01	19.06	19.11	19.16
29.5	18.95	19.02	19.05	19.15	19.21	19.26	19.32	19.37	19.43	19.48
30.0	19.23	19.30	19.37	19.43	19.50	19.56	19.62	19.68	19.75	19.78
30.5	19.57	19.65	20.05	20.10	20.17	20.25	20.31	20.37	20.44	20.50
31.0	20.44	20.53	20.62	20.70	20.79	20.87	20.94	21.02	21.09	21.16
31.5	20.95	21.05	21.13	21.25	21.34	21.43	21.52	21.61	21.69	21.76
32.0	21.41	21.52	21.62	21.74	21.84	21.94	22.03	22.13	22.22	22.31
32.5	21.82	21.94	22.07	22.18	22.30	22.40	22.51	22.61	22.71	22.81
33.0	22.17	22.32	22.46	22.58	22.71	22.83	22.94	23.05	23.16	23.27
33.5	22.52	22.66	22.81	22.94	23.08	23.21	23.33	23.46	23.57	23.69
34.0	22.81	22.97	23.12	23.27	23.41	23.55	23.69	23.82	23.95	24.07
34.5	23.07	23.24	23.40	23.56	23.72	23.87	24.01	24.15	24.29	24.42
35.0	23.31	23.48	23.60	23.83	23.99	24.15	24.31	24.46	24.60	24.75
35.5	23.70	23.90	24.07	24.28	24.46	24.64	24.81	24.98	25.15	25.31
36.0	24.01	24.22	24.43	24.64	24.84	25.04	25.24	25.44	25.63	25.77
36.5	24.24	24.47	24.70	24.92	25.14	25.35	25.56	25.77	25.97	26.16
37.0	24.42	24.67	24.91	25.15	25.38	25.61	25.83	26.05	26.27	26.44
37.5	24.59	24.82	25.07	25.32	25.57	25.81	26.05	26.29	26.51	26.74
38.0	24.90	24.93	25.20	25.46	25.72	25.97	26.22	26.47	26.71	26.95
38.5	24.74	25.02	25.30	25.57	25.84	26.11	26.38	26.62	26.87	27.12
39.0	24.93	25.09	25.37	25.65	25.93	26.20	26.47	26.74	27.00	27.26
39.5	24.94	25.14	25.43	25.71	26.00	26.28	26.55	26.83	27.10	27.37
40.0	24.95	25.17	25.47	25.76	26.05	26.34	26.62	26.91	27.18	27.45
40.5	24.92	25.22	25.52	25.82	26.12	26.42	26.71	27.01	27.29	27.54
41.0	24.94	25.25	25.55	25.86	26.16	26.46	26.76	27.06	27.36	27.64
41.5	24.95	25.26	25.57	25.88	26.18	26.48	26.80	27.10	27.40	27.66
42.0	24.96	25.27	25.58	25.89	26.20	26.50	26.81	27.12	27.43	27.71
42.5	24.96	25.27	25.59	25.90	26.21	26.52	26.83	27.13	27.44	27.71

Time (SEC)	18.00	18.20	18.40	18.60	18.80	19.00	19.20	19.40	19.60	19.80
1.2	1.33	1.39	1.34	1.39	1.39	1.39	1.39	1.39	1.39	1.39
1.4	1.97	1.97	1.97	1.97	1.97	1.97	1.97	1.97	1.97	1.97
1.6	2.42	2.42	2.42	2.42	2.42	2.42	2.42	2.42	2.42	2.42
1.8	2.79	2.79	2.79	2.79	2.79	2.79	2.79	2.79	2.79	2.79
1.0	3.12	3.12	3.12	3.12	3.12	3.12	3.12	3.12	3.12	3.12
1.2	3.42	3.42	3.42	3.42	3.42	3.42	3.42	3.42	3.42	3.42
1.4	3.69	3.69	3.69	3.69	3.69	3.69	3.69	3.69	3.69	3.69
1.6	3.94	3.94	3.94	3.94	3.94	3.94	3.94	3.94	3.94	3.94
1.8	4.18	4.18	4.18	4.18	4.18	4.18	4.18	4.18	4.18	4.18
2.0	4.41	4.41	4.41	4.41	4.41	4.41	4.41	4.41	4.41	4.41
2.2	4.62	4.62	4.62	4.62	4.62	4.62	4.62	4.62	4.62	4.62
2.4	4.82	4.82	4.82	4.82	4.82	4.82	4.82	4.82	4.82	4.82
2.6	5.02	5.02	5.02	5.02	5.02	5.02	5.02	5.02	5.02	5.02
2.8	5.20	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21
3.0	5.39	5.39	5.39	5.39	5.39	5.39	5.39	5.39	5.39	5.39
3.2	5.56	5.56	5.56	5.56	5.56	5.56	5.56	5.56	5.57	5.57
3.4	5.73	5.73	5.73	5.73	5.73	5.73	5.73	5.73	5.73	5.74
3.6	5.89	5.89	5.89	5.90	5.90	5.90	5.90	5.90	5.90	5.90
3.8	6.05	6.05	6.05	6.05	6.06	6.06	6.06	6.06	6.06	6.06
4.0	6.21	6.21	6.21	6.21	6.21	6.21	6.21	6.21	6.21	6.22
4.2	6.36	6.36	6.36	6.36	6.36	6.36	6.36	6.36	6.37	6.37
4.4	6.50	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51
4.6	6.65	6.65	6.65	6.65	6.65	6.65	6.65	6.65	6.65	6.65
4.8	6.79	6.79	6.79	6.79	6.79	6.79	6.80	6.80	6.80	6.80
5.0	6.92	6.93	6.93	6.93	6.93	6.93	6.93	6.93	6.94	6.94
5.5	7.26	7.26	7.26	7.26	7.26	7.26	7.27	7.27	7.27	7.27
6.0	7.57	7.57	7.57	7.57	7.58	7.58	7.58	7.58	7.59	7.59
6.5	7.87	7.87	7.88	7.88	7.88	7.88	7.88	7.88	7.89	7.89
7.0	8.16	8.16	8.17	8.17	8.17	8.17	8.17	8.17	8.18	8.18
7.5	8.44	8.44	8.44	8.45	8.45	8.45	8.45	8.45	8.46	8.46
8.0	8.71	8.71	8.71	8.71	8.72	8.72	8.72	8.72	8.73	8.73
8.5	8.96	8.97	8.97	8.97	8.98	8.98	8.98	8.98	8.99	8.99
9.0	9.21	9.22	9.22	9.23	9.23	9.23	9.24	9.24	9.24	9.24
9.5	9.46	9.46	9.47	9.47	9.47	9.48	9.48	9.48	9.49	9.49
10.0	9.69	9.70	9.70	9.71	9.71	9.71	9.72	9.72	9.72	9.73
10.5	9.92	9.93	9.93	9.94	9.94	9.94	9.95	9.95	9.96	9.96
11.0	10.14	10.15	10.15	10.16	10.16	10.17	10.17	10.18	10.19	10.19
11.5	10.36	10.37	10.37	10.38	10.38	10.39	10.39	10.40	10.41	10.41
12.0	10.57	10.58	10.58	10.59	10.59	10.60	10.61	10.61	10.62	10.62
12.5	10.78	10.79	10.79	10.80	10.80	10.81	10.81	10.82	10.82	10.83
13.0	10.98	10.99	10.99	11.00	11.01	11.01	11.02	11.02	11.03	11.03
13.5	11.18	11.19	11.19	11.20	11.21	11.21	11.22	11.22	11.23	11.23
14.0	11.37	11.38	11.39	11.39	11.40	11.41	11.42	11.42	11.43	11.43
14.5	11.56	11.57	11.58	11.58	11.59	11.60	11.60	11.61	11.62	11.62
15.0	11.75	11.75	11.76	11.77	11.78	11.78	11.79	11.81	11.81	11.81
15.5	11.93	11.94	11.94	11.95	11.96	11.97	11.98	11.98	11.99	12.00
16.0	12.11	12.11	12.12	12.13	12.14	12.15	12.16	12.16	12.17	12.18
16.5	12.28	12.29	12.30	12.31	12.32	12.32	12.33	12.34	12.35	12.36
17.0	12.45	12.46	12.47	12.48	12.49	12.50	12.51	12.52	12.52	12.53
17.5	12.62	12.63	12.64	12.65	12.66	12.67	12.68	12.69	12.69	12.70
19.0	12.78	12.80	12.81	12.82	12.83	12.84	12.84	12.85	12.86	12.87
19.5	12.95	12.96	12.97	12.98	12.99	13.00	13.01	13.02	13.03	13.04
19.0	13.11	13.12	13.13	13.14	13.15	13.16	13.17	13.18	13.19	13.20
19.5	13.26	13.28	13.29	13.30	13.31	13.32	13.33	13.34	13.35	13.36
20.0	13.42	13.43	13.44	13.45	13.47	13.48	13.49	13.51	13.51	13.52
21.0	13.72	13.73	13.75	13.76	13.77	13.78	13.80	13.81	13.82	13.83
22.0	14.01	14.03	14.04	14.05	14.07	14.08	14.09	14.11	14.12	14.13
23.0	14.30	14.31	14.33	14.34	14.36	14.37	14.38	14.40	14.41	14.42
24.0	14.57	14.59	14.60	14.62	14.64	14.65	14.66	14.68	14.69	14.70
25.0	14.84	14.86	14.87	14.89	14.91	14.92	14.94	14.95	14.97	14.98
26.0	15.10	15.12	15.14	15.15	15.17	15.19	15.20	15.22	15.24	15.25
27.0	15.35	15.37	15.39	15.41	15.43	15.45	15.46	15.48	15.50	15.51
28.0	15.60	15.62	15.64	15.66	15.68	15.70	15.72	15.74	15.75	15.77
29.0	15.84	15.86	15.89	15.91	15.93	15.95	15.97	15.99	16.00	16.02
30.0	16.08	16.10	16.12	16.15	16.17	16.19	16.21	16.23	16.25	16.26
32.0	16.55	16.56	16.58	16.61	16.63	16.65	16.67	16.71	16.72	16.74
34.0	16.96	16.99	17.02	17.05	17.07	17.10	17.13	17.16	17.17	17.19
36.0	17.38	17.41	17.44	17.47	17.49	17.52	17.55	17.57	17.60	17.62
38.0	17.77	17.81	17.84	17.87	17.90	17.93	17.96	17.99	18.01	18.04
40.0	18.15	18.19	18.22	18.26	18.29	18.32	18.35	18.38	18.41	18.44
42.0	18.52	18.56	18.59	18.63	18.66	18.70	18.73	18.76	18.79	18.82
44.0	18.87	18.91	18.95	18.99	19.02	19.06	19.10	19.13	19.16	19.20
46.0	19.20	19.25	19.29	19.33	19.37	19.41	19.45	19.48	19.52	19.55
48.0	19.53	19.57	19.62	19.66	19.71	19.75	19.79	19.83	19.86	19.90
50.0	19.84	19.89	19.93	19.98	20.03	20.07	20.11	20.15	20.20	20.24
55.0	20.56	20.62	20.67	20.73	20.78	20.84	20.89	20.93	20.98	21.02
60.0	21.23	21.29	21.36	21.42	21.48	21.54	21.59	21.65	21.71	21.75
65.0	21.84	21.91	21.98	22.05	22.12	22.19	22.25	22.31	22.37	22.42
70.0	22.39	22.47	22.55	22.63	22.71	22.79	22.85	22.92	22.98	23.05
75.0	22.90	22.99	23.08	23.17	23.25	23.33	23.41	23.48	23.55	23.62
80.0	23.37	23.47	23.56	23.66	23.75	23.84	23.92	24.01	24.08	24.16
85.0	23.80	23.91	24.01	24.11	24.21	24.30	24.39	24.48	24.56	24.66
90.0	24.19	24.31	24.42	24.53	24.64	24.74	24.84	24.94	25.03	25.13
95.0	24.55	24.68	24.80	24.92	25.03	25.14	25.25	25.35	25.46	25.56
100.0	24.88	25.02	25.15	25.27	25.40	25.52	25.63	25.75	25.86	25.96
110.0	25.46	25.61	25.76	25.91	26.04	26.17	26.31	26.44	26.57	26.69
120.0	25.95	26.12	26.28	26.44	26.60	26.75	26.89	27.04	27.19	27.31
130.0	26.35	26.53	26.71	26.89	27.06	27.23	27.39	27.55	27.71	27.86
140.0	26.68	26.88	27.08	27.27	27.46	27.64	27.82	28.00	28.16	28.33
150.0	26.96	27.17	27.38	27.59	27.79	27.99	28.18	28.36	28.55	28.73
160.0	27.18	27.41	27.63	27.85	28.07	28.28	28.48	28.68	28.88	29.07
170.0	27.35	27.60	27.84	28.07	28.30	28.52	28.74	28.95	29.16	29.37
180.0	27.51	27.76	28.01	28.24	28.47	28.70	28.92	29.14	29.35	29.56
190.0	27.63	27.89	28.15	28.40	28.65	28.89	29.13	29.37	29.60	29.83
200.0	27.73	27.99	28.26	28.52	28.78	29.03	29.28	29.53	29.77	30.01
220.0	27.86	28.14	28.42	28.70	28.97	29.24	29.51	29.77	30.03	30.28
240.0	27.95	28.24	28.53	28.82	29.10	29.38	29.66	29.94	30.21	30.48
260.0	28.00	28.30	28.60	28.89	29.19	29.48	29.77	30.05	30.34	30.62
280.0	28.04	28.34	28.64	28.94	29.24	29.54	29.83	30.13	30.42	30.71
300.0	28.06	28.36	28.67	28.97	29.28	29.58	29.88	30.18	30.48	30.77

2000 (SEC)	20.00	20.50	21.00	21.50	22.00	22.50	23.00	23.50	24.00	24.50
1.0	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
1.2	1.47	1.47	1.47	1.47	1.47	1.47	1.47	1.47	1.47	1.47
1.4	2.42	2.42	2.42	2.42	2.42	2.42	2.42	2.42	2.42	2.42
1.6	2.79	2.79	2.79	2.79	2.79	2.79	2.79	2.79	2.79	2.79
1.8	3.12	3.12	3.12	3.12	3.12	3.12	3.12	3.12	3.12	3.12
2.0	3.42	3.42	3.42	3.42	3.42	3.42	3.42	3.42	3.42	3.42
2.2	3.69	3.69	3.69	3.69	3.69	3.69	3.69	3.69	3.69	3.69
2.4	3.95	3.95	3.95	3.95	3.95	3.95	3.95	3.95	3.95	3.95
2.6	4.18	4.18	4.18	4.18	4.18	4.18	4.18	4.18	4.18	4.18
2.8	4.41	4.41	4.41	4.41	4.41	4.41	4.41	4.41	4.41	4.41
3.0	4.62	4.62	4.62	4.62	4.62	4.62	4.62	4.62	4.62	4.62
3.2	4.83	4.83	4.83	4.83	4.83	4.83	4.83	4.83	4.83	4.83
3.4	5.02	5.02	5.02	5.02	5.02	5.02	5.02	5.02	5.02	5.02
3.6	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21
3.8	5.39	5.39	5.39	5.39	5.40	5.40	5.40	5.40	5.40	5.40
4.0	5.57	5.57	5.57	5.57	5.57	5.57	5.57	5.57	5.57	5.57
4.2	5.74	5.74	5.74	5.74	5.74	5.74	5.74	5.74	5.74	5.74
4.4	5.90	5.90	5.90	5.91	5.91	5.91	5.91	5.91	5.91	5.91
4.6	6.06	6.06	6.06	6.07	6.07	6.07	6.07	6.07	6.07	6.07
4.8	6.22	6.22	6.22	6.22	6.22	6.22	6.22	6.22	6.22	6.22
5.0	6.37	6.37	6.37	6.37	6.38	6.38	6.38	6.38	6.38	6.38
5.2	6.52	6.52	6.52	6.52	6.53	6.53	6.53	6.53	6.53	6.53
5.4	6.66	6.66	6.66	6.67	6.67	6.67	6.67	6.67	6.67	6.67
5.6	6.80	6.80	6.81	6.81	6.81	6.81	6.81	6.81	6.81	6.81
5.8	6.94	6.94	6.94	6.95	6.95	6.95	6.95	6.95	6.95	6.95
6.0	7.07	7.07	7.07	7.07	7.08	7.08	7.08	7.08	7.08	7.08
6.2	7.27	7.27	7.27	7.28	7.28	7.28	7.28	7.28	7.28	7.28
6.4	7.59	7.59	7.59	7.60	7.60	7.60	7.60	7.60	7.60	7.60
6.6	7.89	7.90	7.90	7.90	7.91	7.91	7.91	7.91	7.91	7.91
6.8	8.18	8.19	8.19	8.20	8.20	8.20	8.20	8.20	8.20	8.20
7.0	8.46	8.47	8.47	8.48	8.48	8.48	8.48	8.48	8.48	8.48
7.2	8.73	8.74	8.74	8.75	8.75	8.75	8.75	8.75	8.75	8.75
7.4	8.99	9.00	9.01	9.01	9.02	9.02	9.02	9.02	9.02	9.02
7.6	9.25	9.25	9.26	9.27	9.27	9.28	9.28	9.28	9.28	9.28
7.8	9.49	9.50	9.51	9.51	9.52	9.52	9.52	9.52	9.52	9.52
8.0	9.73	9.74	9.75	9.75	9.76	9.77	9.77	9.77	9.77	9.77
8.2	9.96	9.97	9.98	9.99	9.99	10.00	10.00	10.00	10.00	10.00
8.4	10.19	10.20	10.21	10.22	10.22	10.23	10.23	10.23	10.23	10.23
8.6	10.41	10.42	10.43	10.44	10.45	10.45	10.45	10.45	10.45	10.45
8.8	10.62	10.63	10.64	10.65	10.66	10.66	10.66	10.66	10.66	10.66
9.0	10.83	10.85	10.86	10.87	10.87	10.88	10.88	10.88	10.88	10.88
9.2	11.04	11.05	11.06	11.07	11.08	11.08	11.08	11.08	11.08	11.08
9.4	11.24	11.25	11.26	11.27	11.28	11.28	11.28	11.28	11.28	11.28
9.6	11.44	11.45	11.46	11.47	11.48	11.48	11.48	11.48	11.48	11.48
9.8	11.63	11.64	11.66	11.67	11.68	11.69	11.70	11.71	11.72	11.73
10.0	11.82	11.83	11.85	11.86	11.87	11.88	11.89	11.90	11.91	11.92
10.2	12.00	12.02	12.03	12.05	12.06	12.07	12.08	12.09	12.10	12.11
10.4	12.18	12.20	12.22	12.23	12.24	12.26	12.27	12.28	12.29	12.30
10.6	12.36	12.38	12.40	12.41	12.42	12.44	12.45	12.46	12.47	12.48
10.8	12.54	12.56	12.57	12.59	12.60	12.62	12.63	12.64	12.65	12.66
11.0	12.71	12.73	12.75	12.76	12.78	12.79	12.80	12.82	12.83	12.84
11.2	12.88	12.90	12.92	12.93	12.95	12.96	12.98	12.99	13.00	13.01
11.4	13.05	13.07	13.08	13.10	13.12	13.13	13.15	13.16	13.17	13.19
11.6	13.21	13.23	13.25	13.27	13.28	13.30	13.32	13.33	13.34	13.35
11.8	13.37	13.39	13.41	13.43	13.45	13.47	13.48	13.50	13.51	13.52
12.0	13.53	13.55	13.57	13.59	13.61	13.63	13.64	13.66	13.67	13.69
12.2	13.84	13.86	13.88	13.91	13.93	13.95	13.96	13.98	13.99	14.01
12.4	14.14	14.17	14.19	14.21	14.23	14.25	14.27	14.29	14.31	14.32
12.6	14.43	14.46	14.49	14.51	14.53	14.55	14.57	14.59	14.61	14.63
12.8	14.72	14.75	14.77	14.80	14.82	14.85	14.87	14.89	14.91	14.92
13.0	14.99	15.03	15.06	15.08	15.11	15.13	15.15	15.18	15.20	15.21
13.2	15.26	15.30	15.33	15.36	15.39	15.41	15.43	15.46	15.48	15.50
13.4	15.53	15.56	15.60	15.63	15.66	15.68	15.71	15.73	15.75	15.77
13.6	15.78	15.82	15.86	15.89	15.92	15.95	15.98	16.00	16.02	16.05
13.8	16.04	16.08	16.11	16.15	16.18	16.21	16.24	16.27	16.29	16.31
14.0	16.28	16.32	16.36	16.40	16.43	16.46	16.49	16.52	16.55	16.57
14.2	16.76	16.80	16.84	16.88	16.92	16.96	16.99	17.02	17.05	17.07
14.4	17.21	17.26	17.31	17.35	17.39	17.43	17.46	17.50	17.53	17.56
14.6	17.65	17.70	17.75	17.80	17.84	17.89	17.92	17.96	17.99	18.03
14.8	18.06	18.12	18.18	18.23	18.28	18.32	18.37	18.43	18.48	18.53
15.0	18.47	18.53	18.59	18.65	18.70	18.75	18.79	18.85	18.87	18.91
15.2	18.85	18.92	18.99	19.05	19.10	19.15	19.20	19.25	19.29	19.33
15.4	19.23	19.30	19.37	19.44	19.50	19.55	19.60	19.65	19.70	19.74
15.6	19.59	19.67	19.74	19.81	19.87	19.93	19.99	20.04	20.09	20.14
15.8	19.94	20.02	20.10	20.17	20.24	20.31	20.36	20.42	20.47	20.52
16.0	20.27	20.36	20.45	20.52	20.60	20.66	20.73	20.79	20.84	20.90
16.2	21.07	21.17	21.27	21.36	21.44	21.52	21.59	21.66	21.73	21.79
16.4	21.80	21.92	22.03	22.13	22.23	22.31	22.40	22.48	22.55	22.62
16.6	22.48	22.61	22.73	22.85	22.96	23.06	23.15	23.24	23.32	23.40
16.8	23.11	23.26	23.39	23.52	23.68	23.75	23.86	23.94	24.05	24.14
17.0	23.69	23.86	24.01	24.15	24.28	24.41	24.52	24.63	24.74	24.83
17.2	24.24	24.42	24.58	24.74	24.89	25.02	25.15	25.27	25.38	25.49
17.4	24.74	24.94	25.12	25.29	25.45	25.60	25.74	25.87	26.00	26.11
17.6	25.22	25.43	25.63	25.81	25.99	26.15	26.30	26.44	26.58	26.70
17.8	25.66	25.89	26.14	26.30	26.49	26.66	26.83	26.98	27.13	27.26
18.0	26.07	26.31	26.54	26.76	26.96	27.15	27.33	27.49	27.65	27.80
18.2	26.80	27.09	27.35	27.60	27.83	28.04	28.25	28.44	28.62	28.79
18.4	27.45	27.76	28.06	28.34	28.60	28.85	29.07	29.28	29.50	29.69
18.6	28.00	28.36	28.69	29.00	29.29	29.56	29.82	30.06	30.29	30.50
18.8	28.49	28.87	29.24	29.58	29.90	30.20	30.49	30.76	31.01	31.25
19.0	28.90	29.32	29.72	30.09	30.45	30.78	31.09	31.39	31.66	31.93
19.2	29.26	29.71	30.14	30.55	30.93	31.24	31.63	31.95	32.26	32.55
19.4	29.57	30.05	30.51	30.95	31.36	31.75	32.12	32.47	32.80	33.11
19.6	29.83	30.35	30.84	31.30	31.74	32.16	32.55	32.91	33.24	33.56
19.8	30.06	30.60	31.12	31.61	32.08	32.52	32.94	33.35	33.73	34.09
20.0	30.25	30.81	31.36	31.88	32.37	32.84	33.29	33.72	34.12	34.51
20.2	30.54	31.16	31.75	32.32	32.86	33.38	33.88	34.36	34.81	35.21
20.4	30.75	31.40	32.04	32.65	33.24	33.80	34.35	34.87	35.37	35.84
20.6	30.90	31.58	32.25	32.90	33.52	34.13	34.71	35.27	35.82	36.33
20.8	31.00	31.71	32.44	33.08	33.78	34.38	35.00	35.60	36.17	36.73
21.0	31.07	31.79	32.51	33.21	33.90	34.57	35.22	35.85	36.46	37.05

附表—IV 模型波の波速の表 (単位 cm/sec)

TABLE—IV Celerities of Model Waves

$T = 0.05 \sim 10 \text{ sec.}$

$h = 1 \sim 300 \text{ cm.}$

TIME (SEC)	.55	.60	.65	.70	.75	.80	.85	.90	.95	1.00
1	30.61	30.73	30.81	30.88	30.94	30.98	31.02	31.10	31.04	31.10
2	42.31	42.63	42.87	43.07	43.22	43.35	43.46	43.55	43.62	43.69
3	51.19	51.68	52.00	52.29	52.52	52.72	52.89	53.02	53.12	53.18
4	57.04	57.94	58.63	59.18	59.63	59.99	60.29	60.59	60.76	60.94
5	62.22	63.46	64.43	65.20	65.73	66.33	66.76	67.11	67.41	67.66
6	66.47	68.09	69.36	70.37	71.19	71.86	72.41	72.83	73.27	73.60
7	69.98	72.01	73.66	74.87	75.70	76.34	76.84	77.22	77.52	77.84
8	72.90	75.35	77.26	78.83	80.06	81.11	81.96	82.67	83.28	83.80
9	75.32	78.21	80.49	82.33	83.92	85.04	86.05	86.91	87.65	88.25
10	77.33	80.65	83.30	85.43	87.17	88.63	89.79	90.78	91.63	92.35
11	78.99	82.74	85.76	88.20	90.19	91.84	93.20	94.36	95.33	96.16
12	80.36	84.53	87.41	90.27	92.42	94.79	96.34	97.65	98.75	99.70
13	81.47	86.05	89.80	92.87	95.19	97.48	99.23	100.75	101.95	102.91
14	82.37	87.34	91.45	94.83	97.63	99.95	101.89	103.53	104.92	106.11
15	83.10	88.43	92.88	95.58	99.05	102.21	104.35	106.16	107.70	109.02
16	83.69	89.34	94.13	98.14	101.48	104.24	106.63	108.61	110.31	111.76
17	84.15	90.11	95.21	99.52	103.34	106.17	108.73	110.93	112.75	114.33
18	84.52	90.75	96.15	100.75	104.54	107.91	110.68	113.63	115.03	116.76
19	84.82	91.28	96.96	101.84	105.99	109.50	112.48	115.62	117.18	119.04
20	85.04	91.72	97.65	102.80	107.21	110.96	114.15	115.77	119.20	121.20
21	85.22	92.08	98.24	103.64	108.30	112.29	115.69	118.63	121.09	123.25
22	85.36	92.37	98.75	104.39	109.29	113.51	117.12	120.21	122.88	125.17
23	85.47	92.62	99.14	105.04	110.18	114.62	118.48	121.75	124.55	127.00
24	85.56	92.81	99.54	105.64	110.97	115.63	119.65	123.13	126.12	128.72
25	85.62	92.97	99.85	106.11	111.88	116.55	120.76	124.44	127.60	130.35
26	85.67	93.10	100.11	106.55	112.51	117.39	121.81	125.66	128.99	131.89
27	85.71	93.21	100.33	106.93	112.97	118.15	122.77	126.93	130.30	133.35
28	85.74	93.29	100.52	107.25	113.38	118.84	123.69	127.15	131.52	134.72
29	85.76	93.36	100.67	107.54	113.72	119.46	124.46	128.14	132.67	136.02
30	85.78	93.42	100.80	107.78	114.02	120.03	125.20	128.76	133.75	137.26
31	85.79	93.46	100.91	107.99	114.27	120.54	125.86	131.61	134.77	138.42
32	85.80	93.50	101.00	108.18	114.47	121.00	126.50	131.33	135.71	139.52
33	85.81	93.53	101.08	108.33	115.15	121.41	127.07	132.13	136.60	140.55
34	85.82	93.55	101.14	108.47	115.59	121.74	127.60	132.81	137.43	141.53
35	85.82	93.57	101.19	108.58	115.90	122.12	128.37	133.33	138.21	142.45
36	85.83	93.58	101.24	108.68	115.78	122.42	128.51	134.11	138.94	143.32
37	85.83	93.59	101.27	108.76	115.44	122.69	128.90	134.25	139.62	144.14
38	85.83	93.60	101.30	108.84	116.09	122.93	129.27	135.55	140.25	144.92
39	85.83	93.61	101.33	108.90	116.41	123.14	129.59	135.93	140.85	145.64
40	85.83	93.62	101.35	108.95	116.52	123.34	129.89	136.32	141.40	146.33
41	85.83	93.62	101.36	108.99	116.41	123.51	130.16	136.31	141.91	146.97
42	85.84	93.63	101.36	109.03	116.50	123.66	130.41	136.67	142.37	147.58
43	85.84	93.63	101.37	109.07	116.44	123.84	130.63	137.03	142.84	148.14
44	85.84	93.63	101.40	109.09	116.53	123.92	130.83	137.31	143.25	148.68
45	85.84	93.63	101.41	109.12	116.59	124.02	131.02	137.64	143.64	149.18
46	85.84	93.64	101.41	109.14	116.74	124.12	131.15	137.83	144.00	149.65
47	85.84	93.64	101.42	109.15	116.78	124.20	131.33	138.06	144.33	150.09
48	85.84	93.64	101.42	109.17	116.71	124.23	131.47	138.24	144.64	150.50
49	85.84	93.64	101.43	109.18	116.85	124.35	131.59	138.47	144.92	150.85
50	85.84	93.64	101.43	109.19	116.87	124.41	131.70	138.65	145.19	151.25
52	85.84	93.64	101.44	109.21	116.92	124.50	131.88	138.96	145.65	151.90
54	85.84	93.64	101.44	109.22	116.99	124.59	132.03	139.22	146.06	152.47
56	85.84	93.64	101.44	109.23	116.94	124.66	132.16	139.44	146.43	152.97
58	85.84	93.64	101.44	109.23	117.00	124.69	132.26	139.62	146.64	153.40
60	85.84	93.64	101.44	109.24	117.01	124.73	132.34	139.77	146.78	153.77
62	85.84	93.64	101.44	109.24	117.02	124.76	132.40	139.83	147.15	154.10
64	85.84	93.64	101.44	109.24	117.03	124.78	132.45	139.94	147.32	154.38
66	85.84	93.64	101.44	109.25	117.03	124.83	132.49	140.14	147.47	154.62
68	85.84	93.64	101.45	109.25	117.04	124.81	132.53	140.14	147.60	154.83
70	85.84	93.64	101.45	109.25	117.04	124.82	132.55	140.23	147.71	155.01
72	85.84	93.64	101.45	109.25	117.05	124.83	132.57	140.25	147.63	155.16
74	85.84	93.64	101.45	109.25	117.05	124.83	132.59	140.27	147.67	155.29
76	85.84	93.64	101.45	109.25	117.05	124.84	132.51	140.32	147.94	155.41
78	85.84	93.64	101.45	109.25	117.05	124.84	132.52	140.35	147.99	155.50
80	85.84	93.64	101.45	109.25	117.05	124.85	132.53	140.37	148.04	155.59
82	85.84	93.64	101.45	109.25	117.05	124.85	132.53	140.34	148.07	155.66
84	85.84	93.64	101.45	109.25	117.05	124.85	132.64	140.41	148.13	155.77
86	85.84	93.64	101.45	109.25	117.05	124.85	132.55	140.42	148.15	155.81
88	85.84	93.64	101.45	109.25	117.05	124.85	132.55	140.43	148.17	155.85
90	85.84	93.64	101.45	109.25	117.05	124.85	132.55	140.43	148.17	155.85
92	85.84	93.64	101.45	109.25	117.05	124.85	132.55	140.44	148.19	155.89
94	85.84	93.64	101.45	109.25	117.05	124.85	132.55	140.44	148.20	155.91
96	85.84	93.64	101.45	109.25	117.05	124.85	132.56	140.44	148.21	155.94
98	85.84	93.64	101.45	109.25	117.05	124.86	132.56	140.45	148.22	155.96
100	85.84	93.64	101.45	109.25	117.05	124.86	132.56	140.45	148.23	155.97
105	85.84	93.64	101.45	109.25	117.05	124.85	132.66	140.46	148.24	156.01
110	85.84	93.64	101.45	109.25	117.05	124.85	132.56	140.46	148.25	156.03
115	85.84	93.64	101.45	109.25	117.05	124.86	132.66	140.46	148.26	156.04
120	85.84	93.64	101.45	109.25	117.05	124.86	132.56	140.46	148.26	156.05
125	85.84	93.64	101.45	109.25	117.05	124.86	132.56	140.46	148.26	156.06
130	85.84	93.64	101.45	109.25	117.05	124.86	132.66	140.46	148.27	156.06
135	85.84	93.64	101.45	109.25	117.05	124.86	132.56	140.46	148.27	156.07
140	85.84	93.64	101.45	109.25	117.05	124.86	132.66	140.46	148.27	156.07
145	85.84	93.64	101.45	109.25	117.05	124.86	132.66	140.46	148.27	156.07
150	85.84	93.64	101.45	109.25	117.05	124.86	132.66	140.46	148.27	156.07
155	85.84	93.64	101.45	109.25	117.05	124.86	132.66	140.46	148.27	156.07
160	85.84	93.64	101.45	109.25	117.05	124.86	132.66	140.46	148.27	156.07
165	85.84	93.64	101.45	109.25	117.05	124.86	132.66	140.47	148.27	156.07
170	85.84	93.64	101.45	109.25	117.05	124.86	132.66	140.47	148.27	156.07
175	85.84	93.64	101.45	109.25	117.05	124.86	132.66	140.47	148.27	156.07
180	85.84	93.64	101.45	109.25	117.05	124.86	132.66	140.47	148.27	156.07
185	85.84	93.64	101.45	109.25	117.05	124.86	132.66	140.47	148.27	156.07
190	85.84	93.64	101.45	109.25	117.05	124.86	132.66	140.47	148.27	156.07
195	85.84	93.64	101.45	109.25	117.05	124.86	132.66	140.47	148.27	156.07
200	85.84	93.64	101.45	109.25	117.05	124.86	132.66	140.47	148.27	156.07

時間 (SEC)	1.05	1.10	1.15	1.20	1.25	1.30	1.35	1.40	1.45	1.50
1	31.12	31.14	31.15	31.16	31.18	31.19	31.20	31.21	31.22	31.22
2	43.74	43.79	43.83	43.87	43.90	43.93	43.96	43.98	44.00	44.02
3	53.24	53.33	53.41	53.48	53.54	53.59	53.64	53.70	53.72	53.75
4	61.10	61.23	61.35	61.46	61.55	61.63	61.70	61.77	61.83	61.88
5	67.89	68.07	68.24	68.38	68.51	68.63	68.73	68.82	68.90	68.97
6	73.88	74.14	74.36	74.55	74.72	74.87	75.00	75.12	75.23	75.33
7	79.31	79.52	79.90	80.14	80.35	80.54	80.71	80.86	80.99	81.12
8	84.24	84.63	84.96	85.26	85.52	85.75	85.95	86.14	86.30	86.45
9	88.78	89.24	89.64	89.99	90.30	90.58	90.82	91.04	91.24	91.41
10	92.97	93.51	93.98	94.39	94.76	95.08	95.37	95.62	95.85	96.06
11	96.87	97.50	98.04	98.51	98.93	99.31	99.64	99.93	100.20	100.44
12	100.52	101.25	101.88	102.39	102.76	103.29	103.67	104.03	104.31	104.58
13	103.93	104.73	105.43	105.94	106.38	107.06	107.49	107.86	108.23	108.51
14	107.14	108.03	108.81	109.49	110.09	110.63	111.11	111.53	111.91	112.26
15	110.16	111.15	112.01	112.77	113.43	114.03	114.56	115.03	115.45	115.84
16	113.01	114.09	115.04	115.88	116.51	117.27	117.85	118.47	119.04	119.26
17	115.70	116.89	117.93	118.84	119.65	120.35	121.00	121.57	122.04	122.54
18	118.24	119.54	120.67	121.66	122.44	123.22	124.01	124.64	125.19	125.70
19	120.66	122.06	123.28	124.36	125.31	126.15	126.91	127.58	128.19	128.73
20	122.94	124.45	125.77	126.93	127.96	128.87	129.69	130.41	131.07	131.66
21	125.11	126.73	128.15	129.40	130.50	131.48	132.36	133.14	133.84	134.48
22	127.17	128.90	130.42	131.76	132.94	133.99	134.93	135.77	136.52	137.20
23	129.12	130.97	132.59	134.02	135.28	136.41	137.41	138.33	139.11	139.83
24	130.97	132.94	134.67	136.19	137.53	138.73	139.79	140.75	141.61	142.38
25	132.74	134.82	136.66	138.27	139.70	140.97	142.10	143.11	144.03	144.85
26	134.41	136.62	138.56	140.27	141.78	143.12	144.32	145.40	146.37	147.24
27	136.01	138.33	140.33	142.18	143.78	145.20	146.47	147.61	148.63	149.56
28	137.52	139.97	142.12	144.03	145.71	147.21	148.55	149.75	150.83	151.80
29	138.94	141.53	143.80	145.80	147.57	149.15	150.56	151.82	152.94	153.93
30	140.33	143.02	145.44	147.50	149.36	151.02	152.50	153.81	155.03	156.11
31	141.62	144.45	146.93	149.13	151.09	152.83	154.38	155.74	157.03	158.16
32	142.84	145.80	148.44	150.71	152.71	154.57	156.20	157.66	158.94	160.17
33	144.03	147.10	149.82	152.22	154.35	156.26	157.94	159.41	160.87	162.11
34	145.15	148.34	151.17	153.67	155.80	157.69	159.37	160.87	162.20	163.40
35	146.21	149.52	152.40	155.07	157.39	159.47	161.32	162.97	164.49	165.84
36	147.21	150.65	153.71	156.42	158.83	160.97	162.92	164.66	166.22	167.64
37	148.16	151.73	154.90	157.71	160.22	162.47	164.48	166.28	167.91	169.38
38	149.07	152.76	156.04	159.06	161.26	163.89	165.98	167.86	169.55	171.09
39	149.92	153.74	157.13	160.16	162.86	165.27	167.44	169.31	171.15	172.74
40	150.74	154.67	158.10	161.31	164.11	166.61	168.85	170.97	172.70	174.35
41	151.51	155.56	159.10	162.42	165.31	167.93	170.22	172.32	174.21	175.92
42	152.24	156.41	160.14	163.48	166.47	169.15	171.55	173.52	175.68	177.45
43	152.93	157.22	161.07	164.51	167.59	170.36	172.84	175.08	177.11	178.94
44	153.58	157.99	161.95	165.49	168.67	171.53	174.09	176.41	178.50	180.35
45	154.20	158.72	162.79	166.44	169.71	172.65	175.31	177.69	179.85	181.81
46	154.78	159.42	163.62	167.35	170.72	173.75	176.48	178.95	181.17	183.19
47	155.34	160.09	164.37	168.22	171.69	174.91	177.62	180.16	182.46	184.54
48	155.86	160.72	165.11	169.06	172.62	175.83	178.73	181.34	183.71	185.85
49	156.35	161.32	165.81	169.87	173.33	176.82	179.80	182.49	184.92	187.13
50	156.82	161.89	166.47	170.64	174.40	177.78	180.84	183.61	186.11	188.38
51	157.27	162.44	167.10	171.40	175.18	178.60	182.83	185.74	188.39	190.79
52	157.67	162.94	167.60	172.10	175.94	179.41	183.61	186.49	189.19	191.81
53	158.03	163.40	168.20	172.84	176.74	180.39	184.45	187.76	190.55	193.08
54	158.36	163.83	168.90	173.44	177.37	181.11	184.69	188.07	191.26	194.07
55	158.67	164.24	169.49	174.08	178.09	182.00	185.85	189.67	193.26	196.26
56	158.97	164.63	169.94	174.68	178.79	183.00	186.89	190.67	194.54	197.33
57	159.24	165.00	170.39	175.24	179.46	184.11	188.09	191.87	195.84	199.31
58	159.49	165.35	170.89	175.84	180.16	184.53	188.64	192.51	196.38	199.81
59	159.72	165.68	171.40	176.44	180.72	185.15	189.47	193.57	197.38	200.81
60	159.93	166.00	171.90	177.00	181.22	185.75	190.05	194.15	198.06	201.82
61	160.12	166.31	172.40	177.61	181.88	186.31	190.65	194.75	198.66	202.82
62	160.27	166.63	172.90	178.11	182.54	187.05	191.09	195.07	198.92	201.18
63	160.40	166.94	173.39	178.69	183.28	187.96	192.05	195.98	199.78	202.97
64	160.51	167.24	173.87	179.20	184.05	188.95	193.05	196.97	200.71	204.67
65	160.61	167.53	174.34	179.70	184.88	189.85	194.05	197.97	201.64	205.81
66	160.70	167.81	174.80	180.22	185.75	190.75	195.05	198.97	202.81	207.01
67	160.78	168.08	175.20	180.89	186.65	191.63	196.05	200.11	204.25	208.62
68	160.85	168.35	175.60	181.50	187.51	192.51	197.05	201.50	205.56	209.82
69	160.91	168.61	175.90	182.10	188.15	193.31	197.95	202.63	206.41	210.66
70	160.96	168.86	176.20	182.66	188.84	194.24	198.99	203.68	207.30	211.98
71	161.00	169.10	176.48	183.02	189.43	194.63	199.45	204.17	207.79	212.23
72	161.03	169.33	176.74	183.34	189.96	195.30	200.64	205.63	210.18	213.42
73	161.05	169.55	177.00	183.66	190.51	196.30	201.64	206.83	211.19	214.25
74	161.06	169.76	177.24	183.98	191.10	197.26	202.64	208.03	212.13	215.07
75	161.06	169.96	177.48	184.29	191.68	198.11	203.68	209.17	213.02	215.88
76	161.05	170.15	177.69	184.59	192.24	199.00	204.68	210.16	213.86	216.62
77	161.03	170.33	177.88	184.87	192.79	199.80	205.68	211.23	214.58	217.52
78	161.00	170.50	178.05	185.14	193.32	199.95	206.68	212.23	215.46	218.37
79	160.96	170.66	178.21	185.42	193.84	200.15	207.68	213.23	216.27	219.16
80	160.91	170.81	178.36	185.69	194.35	200.36	208.68	214.23	217.17	220.36
81	160.85	170.95	178.50	185.95	194.84	200.55	209.68	215.16	218.07	221.54
82	160.78	171.08	178.63	186.20	195.31	200.72	210.68	216.00	218.81	222.67
83	160.70	171.20	178.75	186.44	195.76	200.87	211.63	216.87	219.59	223.76
84	160.61	171.31	178.86	186.67	196.19	201.00	212.57	217.73	220.36	224.81
85	160.51	171.41	178.96	186.89	196.60	201.11	213.50	218.68	221.17	225.81
86	160.40	171.50	179.05	187.10	196.99	201.20	214.42	219.64	222.00	226.72
87	160.29	171.58	179.13	187.29	197.37	201.28	215.33	220.60	222.81	227.59
88	160.17	171.66	179.20	187.47	197.72	201.35	216.23	221.57	223.61	228.42
89	160.04	171.73	179.26	187.64	198.05	201.41	217.12	222.50	224.49	229.20
90	159.91	171.79	179.31	187.80	198.36	201.46	217.99	223.39	225.33	230.03
91	159.77	171.84	179.35	187.95	198.65	201.50	218.84	224.26	226.19	230.81
92	159.62	171.88	179.38	188.0						

時間 (SEC)	1.55	1.60	1.65	1.70	1.75	1.80	1.85	1.90	1.95	2.00
1	31.22	31.23	31.23	31.24	31.24	31.25	31.25	31.25	31.26	31.26
2	44.03	44.05	44.06	44.08	44.09	44.11	44.11	44.12	44.13	44.13
3	53.78	53.81	53.83	53.86	53.88	53.90	53.92	53.93	53.95	53.96
4	61.93	61.97	62.01	62.04	62.08	62.11	62.13	62.16	62.18	62.21
5	69.04	69.10	69.15	69.21	69.25	69.29	69.33	69.37	69.40	69.43
6	75.41	75.49	75.57	75.63	75.69	75.75	75.80	75.85	75.89	75.93
7	81.25	81.33	81.42	81.50	81.58	81.65	81.71	81.77	81.82	81.87
8	86.59	86.71	86.82	86.92	87.01	87.10	87.18	87.25	87.32	87.38
9	91.58	91.72	91.85	91.98	92.09	92.19	92.28	92.37	92.45	92.52
10	96.25	96.42	96.58	96.72	96.85	96.97	97.08	97.18	97.27	97.36
11	100.66	100.86	101.04	101.20	101.35	101.49	101.61	101.73	101.84	101.94
12	104.83	105.05	105.26	105.45	105.62	105.77	105.92	106.05	106.17	106.29
13	108.79	109.05	109.28	109.49	109.68	109.85	110.02	110.17	110.31	110.44
14	112.57	112.86	113.11	113.35	113.56	113.76	113.94	114.11	114.27	114.41
15	116.18	116.50	116.78	117.04	117.28	117.53	117.70	117.79	118.06	118.22
16	119.64	119.94	120.30	120.59	120.85	121.13	121.32	121.52	121.71	121.89
17	122.96	123.34	123.69	124.00	124.29	124.55	124.80	125.02	125.21	125.42
18	126.15	126.57	126.94	127.29	127.60	127.87	128.15	128.40	128.62	128.83
19	129.23	129.67	130.05	130.45	130.80	131.11	131.40	131.66	131.91	132.15
20	132.19	132.67	133.11	133.52	133.89	134.22	134.53	134.82	135.09	135.35
21	135.05	135.57	136.05	136.48	136.88	137.24	137.57	137.88	138.17	138.45
22	137.82	138.37	138.86	139.35	139.77	140.15	140.52	140.87	141.16	141.44
23	140.49	141.09	141.63	142.13	142.58	143.03	143.35	143.74	144.06	144.37
24	143.08	143.72	144.30	144.83	145.31	145.75	146.17	146.54	146.89	147.21
25	145.59	146.27	146.89	147.45	147.95	148.44	148.87	149.27	149.64	149.99
26	148.03	148.75	149.40	150.00	150.54	151.04	151.50	151.93	152.32	152.69
27	150.39	151.15	151.94	152.47	153.05	153.58	154.07	154.52	154.94	155.32
28	152.69	153.58	154.22	154.88	155.49	156.05	156.57	157.05	157.48	157.89
29	154.92	155.76	156.55	157.23	157.88	158.47	159.01	159.51	159.97	160.40
30	157.08	157.97	158.78	159.52	160.20	160.82	161.39	161.92	162.40	162.85
31	159.19	160.12	160.97	161.75	162.46	163.11	163.71	164.28	164.78	165.25
32	161.24	162.22	163.11	163.92	164.67	165.35	165.98	166.56	167.10	167.60
33	163.24	164.26	165.19	166.05	166.83	167.54	168.22	168.87	169.37	169.89
34	165.18	166.25	167.23	168.12	168.93	169.69	170.37	171.01	171.60	172.15
35	167.07	168.19	169.21	170.14	170.99	171.77	172.49	173.16	173.77	174.34
36	168.92	170.08	171.14	172.11	173.00	173.82	174.57	175.26	175.90	176.50
37	170.72	171.93	173.03	174.04	174.97	175.82	176.59	177.31	177.99	178.63
38	172.47	173.73	174.88	175.93	176.89	177.78	178.59	179.34	180.04	180.68
39	174.18	175.49	176.66	177.78	178.78	179.73	180.54	181.32	182.04	182.71
40	175.84	177.20	178.44	179.58	180.62	181.57	182.45	183.26	184.01	184.71
41	177.47	178.88	180.17	181.34	182.42	183.41	184.32	185.17	185.94	186.66
42	179.05	180.52	181.85	183.07	184.19	185.21	186.16	187.03	187.84	188.58
43	180.60	182.11	183.35	184.47	185.49	186.48	187.45	188.36	189.23	190.07
44	182.11	183.68	185.10	186.41	187.61	188.71	189.72	190.66	191.52	192.32
45	183.59	185.20	186.58	187.83	189.07	190.21	191.25	192.22	193.13	194.01
46	185.03	186.70	188.22	189.61	190.89	192.07	193.15	194.15	195.07	195.93
47	186.43	188.15	189.73	191.17	192.49	193.73	194.82	195.78	196.80	197.68
48	187.80	189.58	191.20	192.69	194.05	195.30	196.45	197.51	198.50	199.41
49	189.14	190.97	192.64	194.17	195.48	196.68	197.78	198.79	199.81	200.71
50	190.45	192.34	194.06	195.63	197.08	198.41	199.63	200.76	201.81	202.78
51	192.94	194.97	196.79	198.46	199.99	201.40	202.70	203.93	205.09	206.03
52	195.39	197.49	199.42	201.18	202.50	204.29	205.66	206.92	208.09	209.18
53	197.69	199.90	201.93	203.79	205.50	207.07	208.51	209.85	211.08	212.23
54	199.98	202.21	204.34	206.30	208.09	209.75	211.27	212.68	213.98	215.19
55	201.98	204.42	206.66	208.71	210.60	212.33	213.93	215.41	216.78	218.05
56	203.98	206.54	208.86	211.03	213.01	214.83	216.55	218.15	219.64	221.02
57	205.89	208.56	211.01	213.26	215.33	217.23	218.99	220.61	222.12	223.52
58	207.71	210.50	213.06	215.40	217.57	219.55	221.40	223.11	224.70	226.13
59	209.45	212.35	215.02	217.47	219.72	221.83	223.72	225.41	227.14	228.67
60	211.11	214.13	216.94	219.45	221.40	223.47	225.47	227.27	229.04	231.13
61	212.69	215.83	219.71	221.36	223.41	225.64	227.14	229.17	231.16	233.52
62	214.20	217.45	221.70	224.20	226.44	228.14	230.15	232.25	234.11	235.84
63	215.64	219.01	222.11	224.97	227.40	230.04	232.37	234.81	236.30	238.09
64	217.01	220.50	223.21	226.67	229.40	231.92	234.26	236.82	238.42	240.09
65	218.32	221.92	225.24	228.30	231.13	233.74	236.16	238.81	240.44	242.41
66	219.57	223.28	226.71	229.87	232.40	235.51	238.01	241.33	242.44	244.48
67	220.75	224.58	228.12	231.39	234.11	237.23	239.79	242.19	244.42	246.50
68	221.89	225.83	229.47	232.84	235.96	238.85	241.52	244.11	246.31	248.50
69	222.96	227.02	230.77	234.24	237.46	240.43	243.17	245.76	248.14	250.35
70	223.99	228.15	232.01	235.59	238.40	241.97	244.81	247.46	249.91	252.20
71	224.96	229.24	233.20	236.88	240.29	243.45	246.36	249.11	251.64	254.00
72	225.89	230.27	234.34	238.12	241.62	244.89	247.90	250.73	253.31	255.74
73	226.77	231.26	235.44	239.31	242.91	246.26	249.36	252.25	254.94	257.44
74	227.60	232.20	236.49	240.46	244.16	247.59	250.78	253.16	256.52	259.10
75	228.40	233.10	237.44	241.56	245.35	248.84	252.16	255.11	258.95	261.70
76	229.17	233.97	238.40	242.61	246.48	249.91	253.46	256.46	260.49	263.53
77	230.00	234.83	239.34	243.74	247.52	250.91	254.73	257.73	261.89	264.95
78	230.81	235.68	240.26	244.83	248.54	251.92	255.92	258.91	263.22	266.41
79	231.61	236.50	241.32	245.86	249.58	252.90	256.96	260.02	264.53	267.40
80	232.41	237.31	242.41	246.86	250.64	253.91	258.02	261.11	265.85	268.50
81	233.21	238.11	243.52	247.86	251.70	254.97	259.11	262.21	267.14	269.60
82	234.01	238.91	244.63	248.86	252.80	256.00	260.21	263.31	268.44	270.70
83	234.81	239.71	245.74	249.86	253.80	257.00	261.26	264.41	269.70	271.80
84	235.61	240.51	246.85	250.86	254.80	258.00	262.31	265.51	270.80	272.90
85	236.41	241.31	247.96	251.86	255.80	259.00	263.31	266.51	271.80	274.00
86	237.21	242.11	249.07	252.86	256.80	260.00	264.31	267.51	272.80	275.10
87	238.01	242.91	250.18	253.86	257.80	261.00	265.31	268.51	273.80	276.20
88	238.81	243.71	251.29	254.86	258.80	262.00	266.31	269.51	274.80	277.30
89	239.61	244.51	252.40	255.86	259.80	263.00	267.31	270.51	275.80	278.40
90	240.41	245.31	253.51	256.86	260.80	264.00	268.31	271.51	276.80	279.50
91	241.21	246.11	254.62	257.86	261.80	265.00	269.31	272.51	277.80	280.60
92	242.01	246.91	255.73	258.86	262.80	266.00	270.31	273.51	278.80	281.70
93	242.81	247.71	256.84	259.86	263.80	267.00	271.31	274.51	279.80	282.80
94	243.61	248.51	257.95	260.86	264.80	268.00	272.31	275.51	280.80	283.90
95	244.41	249.31	259.06	261.86	265.80	269.00	273.31	276.51	281.80	285.00
96	245.21	250.11	260.17	262.86	266.80	270.00	274.31	277.51	282.80	286.10
97	246.01	250.91	261.28	263.86	267.80	271.00	275.31	278.51	283.80	287.20
98	246.81	251.71	262.39	264.86	268.80	272.00	276.31	279.51	284.80	288.30
99	247.61	252.51	263.50	265.86	269.80	273.00	277.31	280.51	285.80	289.40
100	248.41	253.31	264.61	266.86	270.80	274.00	278.31	281.51	286.80	290.50
101	249.21	254.11	265.72	267.86	271.80	275.00	279.31	282.51	287.80	291.60
102										

WAVE (SEC)	2.10	2.20	2.30	2.40	2.50	2.60	2.70	2.80	2.90	3.00
1	21.25	21.27	21.27	21.27	21.28	21.28	21.28	21.29	21.29	21.29
2	44.15	44.16	44.17	44.18	44.19	44.20	44.20	44.21	44.21	44.22
3	53.99	54.01	54.03	54.05	54.06	54.07	54.09	54.10	54.11	54.11
4	62.24	62.28	62.31	62.33	62.36	62.39	62.40	62.41	62.43	62.44
5	69.47	69.53	69.57	69.61	69.64	69.67	69.70	69.72	69.74	69.76
6	76.00	76.05	76.12	76.17	76.21	76.25	76.28	76.31	76.33	76.36
7	81.96	82.04	82.11	82.17	82.23	82.27	82.31	82.35	82.39	82.42
8	87.43	87.59	87.67	87.74	87.81	87.87	87.92	87.96	88.00	88.04
9	92.65	92.77	92.87	92.96	93.03	93.10	93.16	93.22	93.27	93.31
10	97.51	97.65	97.77	97.87	97.96	98.04	98.11	98.18	98.23	98.28
11	102.12	102.27	102.41	102.52	102.63	102.72	102.80	102.86	102.94	103.00
12	106.49	106.67	106.82	106.96	107.08	107.18	107.26	107.34	107.44	107.50
13	110.67	110.87	111.04	111.19	111.33	111.45	111.55	111.65	111.73	111.81
14	114.67	114.89	115.08	115.25	115.40	115.54	115.66	115.76	115.86	115.94
15	118.51	118.75	118.97	119.16	119.32	119.47	119.60	119.72	119.83	119.92
16	122.20	122.47	122.71	122.92	123.10	123.27	123.41	123.54	123.66	123.76
17	125.77	126.06	126.32	126.55	126.75	126.93	127.09	127.23	127.36	127.47
18	129.21	129.52	129.82	130.08	130.30	130.48	130.65	130.81	130.95	131.07
19	132.54	132.85	133.20	133.47	133.71	133.92	134.11	134.27	134.42	134.56
20	135.77	136.15	136.48	136.77	137.03	137.26	137.46	137.64	137.80	137.95
21	138.90	139.31	139.67	139.98	140.26	140.53	140.72	140.92	141.09	141.25
22	141.95	142.39	142.77	143.11	143.40	143.66	143.90	144.11	144.30	144.47
23	144.91	145.32	145.74	146.15	146.46	146.74	146.99	147.22	147.42	147.60
24	147.79	148.29	148.73	149.11	149.45	149.75	150.01	150.25	150.47	150.66
25	150.60	151.13	151.59	152.00	152.36	152.68	152.96	153.22	153.44	153.65
26	153.34	153.90	154.37	154.83	155.21	155.54	155.84	156.11	156.36	156.57
27	156.01	156.61	157.13	157.58	157.99	158.34	158.66	158.95	159.20	159.43
28	158.62	159.25	159.80	160.28	160.71	161.09	161.42	161.72	161.99	162.24
29	161.17	161.83	162.41	162.92	163.37	163.77	164.12	164.44	164.72	164.98
30	163.66	164.36	164.97	165.51	165.98	166.40	166.77	167.10	167.40	167.67
31	166.10	166.83	167.48	168.04	168.53	168.97	169.37	169.72	170.03	170.32
32	168.49	169.26	169.93	170.52	171.04	171.50	171.91	172.28	172.61	172.91
33	170.82	171.63	172.34	172.95	173.48	173.98	174.43	174.83	175.14	175.45
34	173.11	173.96	174.69	175.34	175.91	176.42	176.87	177.27	177.63	177.96
35	175.36	176.24	177.01	177.68	178.28	178.81	179.28	179.71	180.07	180.42
36	177.56	178.48	179.26	179.98	180.60	181.16	181.65	182.08	182.48	182.83
37	179.71	180.67	181.51	182.24	182.89	183.48	184.00	184.43	184.80	185.13
38	181.83	182.83	183.70	184.46	185.14	185.73	186.27	186.74	187.17	187.56
39	183.91	184.95	185.85	186.65	187.35	187.97	188.52	189.02	189.46	189.86
40	185.95	187.03	187.97	188.79	189.52	190.16	190.74	191.25	191.71	192.13
41	187.95	189.07	190.05	190.90	191.66	192.33	192.92	193.46	193.94	194.37
42	189.92	191.04	192.09	192.98	193.76	194.45	195.07	195.63	196.12	196.57
43	191.85	193.05	194.10	195.02	195.83	196.55	197.19	197.77	198.28	198.74
44	193.75	195.00	196.00	197.03	197.87	198.62	199.28	199.87	200.41	200.89
45	195.62	196.91	198.03	199.01	199.88	200.65	201.34	201.95	202.50	203.00
46	197.46	198.79	199.95	200.96	201.86	202.66	203.37	204.00	204.57	205.08
47	199.27	200.64	201.83	202.88	203.81	204.63	205.37	206.02	206.61	207.14
48	201.04	202.46	203.64	204.78	205.73	206.58	207.34	208.01	208.62	209.17
49	202.79	204.25	205.52	206.64	207.63	208.53	209.28	209.98	210.61	211.17
50	204.51	206.02	207.33	208.48	209.50	210.43	211.20	211.92	212.57	213.15
51	206.20	207.74	209.07	210.26	211.32	212.27	213.08	213.85	214.57	215.23
52	207.87	209.44	210.86	212.08	213.16	214.12	214.97	215.73	216.42	217.03
53	209.51	211.11	212.41	213.58	214.62	215.58	216.44	217.24	217.98	218.68
54	211.13	212.81	214.27	215.58	216.72	217.74	218.64	219.44	220.17	220.82
55	212.72	214.47	216.02	217.49	218.89	220.19	221.46	222.62	223.67	224.62
56	214.28	216.07	217.62	218.99	220.19	221.46	222.62	223.67	224.62	225.57
57	215.81	217.63	219.23	220.67	222.31	223.48	224.71	225.71	226.61	227.41
58	217.35	219.23	220.87	222.31	223.98	224.71	225.71	226.61	227.41	228.14
59	218.87	220.82	222.50	224.02	225.54	226.47	228.05	229.12	230.00	230.91
60	220.37	222.34	224.02	225.54	226.47	228.05	229.12	230.00	230.91	231.68
61	221.85	223.84	225.54	227.10	228.69	230.09	231.34	232.45	233.44	234.33
62	223.31	225.32	227.10	228.69	230.09	231.34	232.45	233.44	234.33	235.14
63	224.75	226.78	228.59	230.09	231.34	232.45	233.44	234.33	235.14	235.98
64	226.17	228.22	230.09	231.34	232.45	233.44	234.33	235.14	235.98	236.82
65	227.57	229.64	231.34	232.45	233.44	234.33	235.14	235.98	236.82	237.66
66	228.95	231.02	232.45	233.44	234.33	235.14	235.98	236.82	237.66	238.50
67	230.31	232.39	233.44	234.33	235.14	235.98	236.82	237.66	238.50	239.34
68	231.66	233.74	234.33	235.14	235.98	236.82	237.66	238.50	239.34	240.18
69	233.00	235.07	235.98	236.82	237.66	238.50	239.34	240.18	241.01	241.85
70	234.33	236.40	236.82	237.66	238.50	239.34	240.18	241.01	241.85	242.68
71	235.66	237.73	238.50	239.34	240.18	241.01	241.85	242.68	243.51	244.34
72	236.99	239.06	239.34	240.18	241.01	241.85	242.68	243.51	244.34	245.17
73	238.31	240.38	240.18	241.01	241.85	242.68	243.51	244.34	245.17	246.00
74	239.64	241.71	241.01	241.85	242.68	243.51	244.34	245.17	246.00	246.83
75	240.97	243.04	241.85	242.68	243.51	244.34	245.17	246.00	246.83	247.66
76	242.30	244.37	242.68	243.51	244.34	245.17	246.00	246.83	247.66	248.49
77	243.63	245.70	243.51	244.34	245.17	246.00	246.83	247.66	248.49	249.32
78	244.96	247.03	244.34	245.17	246.00	246.83	247.66	248.49	249.32	250.15
79	246.29	248.36	245.17	246.00	246.83	247.66	248.49	249.32	250.15	250.98
80	247.62	249.69	246.00	246.83	247.66	248.49	249.32	250.15	250.98	251.81
81	248.95	251.02	246.83	247.66	248.49	249.32	250.15	250.98	251.81	252.64
82	250.28	252.35	247.66	248.49	249.32	250.15	250.98	251.81	252.64	253.47
83	251.61	253.68	248.49	249.32	250.15	250.98	251.81	252.64	253.47	254.30
84	252.94	255.01	249.32	250.15	250.98	251.81	252.64	253.47	254.30	255.13
85	254.27	256.34	250.15	250.98	251.81	252.64	253.47	254.30	255.13	255.96
86	255.60	257.67	250.98	251.81	252.64	253.47	254.30	255.13	255.96	256.79
87	256.93	258.99	251.81	252.64	253.47	254.30	255.13	255.96	256.79	257.62
88	258.26	260.32	252.64	253.47	254.30	255.13	255.96	256.79	257.62	258.45
89	259.59	261.65	253.47	254.30	255.13	255.96	256.79	257.62	258.45	259.28
90	260.92	262.98	254.30	255.13	255.96	256.79	257.62	258.45	259.28	260.11
91	262.25	264.32	255.13	255.96	256.79	257.62	258.45	259.28	260.11	260.94
92	263.58	265.65	255.96							

210° (SEC)	3,10	3,20	3,30	3,40	3,50	3,60	3,70	3,80	3,90	4,00
210° (CM)										
1	31,29	31,29	31,29	31,29	31,29	31,29	31,30	31,30	31,30	31,30
2	44,22	44,22	44,22	44,22	44,22	44,22	44,24	44,24	44,24	44,24
3	54,12	54,13	54,13	54,14	54,15	54,15	54,16	54,16	54,16	54,17
4	62,85	62,86	62,86	62,87	62,88	62,89	62,90	62,91	62,91	62,92
5	69,77	69,79	69,80	69,82	69,83	69,84	69,85	69,86	69,86	69,87
6	76,38	76,40	76,42	76,43	76,45	76,45	76,48	76,48	76,50	76,51
7	82,44	82,47	82,49	82,51	82,53	82,55	82,56	82,58	82,59	82,60
8	88,07	88,10	88,13	88,16	88,18	88,20	88,22	88,24	88,26	88,27
9	93,35	93,39	93,42	93,45	93,48	93,50	93,53	93,55	93,57	93,59
10	98,33	98,37	98,41	98,45	98,48	98,51	98,54	98,56	98,59	98,61
11	103,06	103,11	103,15	103,19	103,23	103,27	103,30	103,33	103,35	103,38
12	107,57	107,62	107,67	107,72	107,76	107,80	107,84	107,87	107,90	107,93
13	111,98	111,99	112,00	112,05	112,10	112,14	112,19	112,22	112,26	112,29
14	116,02	116,09	116,15	116,21	116,27	116,32	116,36	116,40	116,44	116,48
15	120,01	120,09	120,16	120,22	120,28	120,34	120,39	120,43	120,48	120,52
16	123,86	123,94	124,02	124,09	124,16	124,22	124,27	124,33	124,37	124,42
17	127,58	127,67	127,76	127,84	127,91	127,98	128,04	128,10	128,14	128,19
18	131,18	131,29	131,36	131,47	131,54	131,62	131,68	131,74	131,80	131,85
19	134,68	134,80	134,90	134,99	135,07	135,15	135,22	135,29	135,35	135,41
20	138,08	138,21	138,31	138,42	138,51	138,59	138,67	138,74	138,81	138,87
21	141,39	141,52	141,64	141,75	141,85	141,94	142,02	142,11	142,17	142,24
22	144,62	144,76	144,88	144,99	145,11	145,20	145,29	145,38	145,45	145,52
23	147,76	147,91	148,05	148,17	148,29	148,37	148,45	148,53	148,60	148,67
24	150,83	150,99	151,14	151,27	151,39	151,50	151,60	151,70	151,78	151,86
25	153,84	154,00	154,16	154,30	154,43	154,54	154,65	154,75	154,84	154,93
26	156,77	156,93	157,11	157,26	157,40	157,52	157,64	157,74	157,84	157,93
27	159,64	159,83	160,00	160,16	160,31	160,44	160,56	160,70	160,78	160,87
28	162,46	162,66	162,84	163,00	163,16	163,30	163,42	163,54	163,65	163,75
29	165,21	165,42	165,62	165,79	165,95	166,10	166,23	166,36	166,47	166,58
30	167,92	168,14	168,34	168,53	168,69	168,85	169,00	169,12	169,24	169,36
31	170,57	170,80	171,02	171,21	171,39	171,55	171,70	171,84	171,97	172,08
32	173,18	173,42	173,64	173,85	174,03	174,20	174,36	174,51	174,64	174,76
33	175,74	175,99	176,23	176,48	176,63	176,81	176,98	177,13	177,27	177,40
34	178,25	178,52	178,76	179,01	179,19	179,39	179,55	179,71	179,85	179,99
35	180,72	181,00	181,26	181,49	181,70	181,90	182,08	182,24	182,40	182,54
36	183,16	183,45	183,71	183,96	184,18	184,38	184,57	184,74	184,90	185,05
37	185,55	185,85	186,13	186,38	186,61	186,83	187,02	187,23	187,37	187,52
38	187,90	188,22	188,51	188,77	189,01	189,24	189,44	189,62	189,80	190,00
39	190,22	190,55	190,85	191,13	191,38	191,61	191,82	192,11	192,19	192,36
40	192,51	192,85	193,16	193,44	193,70	193,94	194,16	194,36	194,55	194,72
41	194,76	195,11	195,44	195,73	196,00	196,25	196,48	196,69	196,89	197,06
42	196,98	197,34	197,68	197,99	198,27	198,52	198,74	198,94	199,11	199,28
43	199,16	199,55	199,89	200,21	200,50	200,76	201,01	201,23	201,44	201,64
44	201,32	201,72	202,07	202,40	202,70	202,98	203,23	203,46	203,68	203,88
45	203,45	203,86	204,23	204,57	204,88	205,16	205,42	205,67	205,89	206,10
46	205,55	205,97	206,35	206,70	207,02	207,32	207,59	207,84	208,07	208,28
47	207,62	208,06	208,45	208,81	209,14	209,45	209,73	209,99	210,22	210,44
48	209,66	210,11	210,52	210,90	211,24	211,55	211,84	212,11	212,35	212,58
49	211,68	212,15	212,57	212,95	213,31	213,63	213,93	214,20	214,45	214,69
50	213,68	214,16	214,59	214,99	215,35	215,68	215,99	216,27	216,54	216,78
51	215,68	216,16	216,59	216,99	217,35	217,68	217,99	218,27	218,54	218,78
52	217,64	218,10	218,56	218,98	219,37	219,72	220,05	220,35	220,62	220,86
53	219,58	220,03	220,49	220,89	221,27	221,62	221,94	222,23	222,49	222,74
54	221,49	221,94	222,40	222,80	223,19	223,55	223,89	224,19	224,46	224,71
55	223,37	223,82	224,28	224,68	225,07	225,43	225,77	226,07	226,34	226,59
56	225,21	225,67	226,13	226,53	226,91	227,27	227,61	227,91	228,18	228,43
57	227,01	227,48	227,94	228,34	228,72	229,09	229,44	229,74	230,01	230,26
58	228,78	229,26	229,72	230,12	230,50	230,87	231,21	231,51	231,78	232,03
59	230,52	230,99	231,45	231,85	232,23	232,60	232,94	233,24	233,51	233,76
60	232,23	232,70	233,16	233,56	233,94	234,31	234,65	234,95	235,22	235,47
61	233,91	234,38	234,84	235,24	235,62	235,99	236,33	236,63	236,90	237,15
62	235,56	236,02	236,48	236,88	237,26	237,64	237,98	238,28	238,55	238,80
63	237,18	237,64	238,04	238,42	238,79	239,15	239,49	239,79	240,06	240,31
64	238,78	239,24	239,64	240,02	240,39	240,75	241,09	241,39	241,66	241,91
65	240,36	240,82	241,22	241,59	241,96	242,32	242,66	242,96	243,23	243,48
66	241,92	242,38	242,78	243,15	243,52	243,88	244,22	244,52	244,79	245,04
67	243,46	243,92	244,32	244,69	245,06	245,42	245,76	246,06	246,33	246,58
68	244,98	245,44	245,84	246,21	246,58	246,94	247,28	247,58	247,85	248,10
69	246,48	246,94	247,34	247,71	248,08	248,44	248,78	249,08	249,35	249,60
70	247,96	248,42	248,82	249,19	249,56	249,92	250,26	250,56	250,83	251,08
71	249,42	249,88	250,28	250,65	251,02	251,38	251,72	252,02	252,29	252,54
72	250,86	251,32	251,72	252,09	252,46	252,82	253,16	253,46	253,73	253,98
73	252,28	252,74	253,14	253,51	253,88	254,24	254,58	254,88	255,15	255,40
74	253,68	254,14	254,54	254,91	255,28	255,64	255,98	256,28	256,55	256,80
75	255,06	255,52	255,92	256,29	256,66	257,02	257,36	257,66	257,93	258,18
76	256,42	256,88	257,28	257,65	258,02	258,38	258,72	259,02	259,29	259,54
77	257,76	258,22	258,62	258,99	259,36	259,72	260,06	260,36	260,63	260,88
78	259,08	259,54	259,94	260,31	260,68	261,04	261,38	261,68	261,95	262,20
79	260,38	260,84	261,24	261,61	261,98	262,34	262,68	262,98	263,25	263,50
80	261,66	262,12	262,52	262,89	263,26	263,62	263,96	264,26	264,53	264,78
81	262,92	263,38	263,78	264,15	264,52	264,88	265,22	265,52	265,79	266,04
82	264,16	264,62	265,02	265,39	265,76	266,12	266,46	266,76	267,03	267,28
83	265,38	265,84	266,24	266,61	266,98	267,34	267,68	267,98	268,25	268,50
84	266,58	267,04	267,44	267,81	268,18	268,54	268,88	269,18	269,45	269,70
85	267,76	268,22	268,62	268,99	269,36	269,72	270,06	270,36	270,63	270,88
86	268,92	269,38	269,78	270,15	270,52	270,88	271,22	271,52	271,79	272,04
87	270,06	270,52	270,92	271,29	271,66	272,02	272,36	272,66	272,93	273,18
88	271,18	271,64	272,04	272,41	272,78	273,14	273,48	273,78	274,05	274,30
89	272,28	272,74	273,14	273,51	273,88	274,24	274,58	274,88	275,15	275,40
90	273,36	273,82	274,22	274,59	274,96	275,32	275,66	275,96	276,23	276,48
91	274,42	274,88	275,28	275,65	276,02	276,38	276,72	277,02	277,29	277,54
92	275,46	275,92	276,32	276,69	277,06	277,42	277,76	278,06	278,33	278,58
93	276,48	276,94	277,34	277,71	278,08	278,44	278,78	279,08	279,35	279,60
94	277,48	277,94	278,34	278,71	279,08	279,44	279,78	280,08	280,35	280,60
95	278,46	278,92	279,32	279,69	280,06	280,42	280,76	281,06	281,33	281,58
96	279,42	279,88	280,28	280,65	281,02	281,38	281,72	282,02	282,29	282,54
97	280,36	280,82	281,22	281,59	281,96	282,32	282,66	282,96	283,23	283,48
98	281,28	281,74	282,14	282,51	282,88	283,24	283,58	283,88	284,15	284,40
99	282,18	282,64	283,04	283,41	283,78	284,14	284,48	284,78	285,05	285,30
100	283,06	283,52	283,92	284,29	284,66	285,02	285,36	285,66	285,93	286,18
101	283,92	284,38	284,78	285,15	28					

TIME (SEC)	4.10	4.20	4.30	4.40	4.50	4.60	4.70	4.80	4.90	5.00
1	31.30	31.30	31.30	31.30	31.30	31.30	31.30	31.30	31.30	31.30
2	44.25	44.25	44.25	44.25	44.25	44.25	44.25	44.25	44.25	44.25
3	54.17	54.17	54.18	54.18	54.18	54.18	54.19	54.19	54.19	54.19
4	62.33	62.33	62.34	62.34	62.34	62.35	62.35	62.35	62.35	62.35
5	69.98	69.99	69.99	69.99	69.99	69.99	69.99	69.99	69.99	69.99
6	76.52	76.53	76.54	76.54	76.54	76.56	76.56	76.57	76.57	76.58
7	82.62	82.63	82.64	82.65	82.65	82.66	82.67	82.68	82.69	82.69
8	88.29	88.30	88.31	88.32	88.33	88.34	88.35	88.36	88.37	88.38
9	93.60	93.62	93.63	93.65	93.66	93.67	93.68	93.73	93.71	93.71
10	98.63	98.65	98.66	98.68	98.70	98.71	98.72	98.74	98.75	98.76
11	103.40	103.42	103.44	103.46	103.48	103.49	103.51	103.52	103.54	103.55
12	107.96	107.98	108.00	108.02	108.04	108.06	108.08	108.10	108.11	108.13
13	112.32	112.35	112.37	112.40	112.42	112.44	112.46	112.48	112.49	112.51
14	116.51	116.54	116.57	116.60	116.62	116.65	116.67	116.69	116.71	116.73
15	120.55	120.59	120.62	120.65	120.68	120.70	120.72	120.75	120.77	120.79
16	124.46	124.49	124.53	124.56	124.59	124.62	124.65	124.67	124.70	124.72
17	128.24	128.28	128.32	128.35	128.38	128.42	128.45	128.47	128.50	128.52
18	131.90	131.95	131.99	132.03	132.06	132.10	132.13	132.16	132.19	132.21
19	135.36	135.51	135.55	135.60	135.64	135.67	135.71	135.74	135.77	135.80
20	138.92	138.98	139.03	139.07	139.11	139.15	139.19	139.23	139.26	139.29
21	142.30	142.35	142.41	142.46	142.50	142.54	142.59	142.62	142.66	142.69
22	145.59	145.65	145.71	145.76	145.81	145.85	145.90	145.94	145.97	146.01
23	148.80	148.86	148.92	148.98	149.03	149.08	149.13	149.17	149.21	149.25
24	151.94	152.01	152.07	152.13	152.19	152.24	152.29	152.34	152.38	152.42
25	155.01	155.08	155.15	155.22	155.27	155.33	155.38	155.43	155.48	155.52
26	158.02	158.09	158.17	158.23	158.30	158.36	158.41	158.46	158.51	158.56
27	160.96	161.04	161.12	161.19	161.26	161.32	161.38	161.44	161.49	161.54
28	163.85	163.93	164.02	164.09	164.16	164.23	164.29	164.35	164.40	164.46
29	166.68	166.77	166.86	166.94	167.01	167.08	167.15	167.21	167.27	167.32
30	169.46	169.56	169.65	169.73	169.81	169.88	169.95	170.02	170.08	170.14
31	172.19	172.29	172.39	172.48	172.56	172.64	172.71	172.78	172.84	172.90
32	174.88	174.98	175.08	175.18	175.26	175.34	175.42	175.49	175.56	175.62
33	177.52	177.63	177.73	177.83	177.93	178.03	178.13	178.23	178.33	178.43
34	180.11	180.23	180.34	180.44	180.54	180.64	180.74	180.84	180.93	181.03
35	182.67	182.79	182.91	183.01	183.11	183.21	183.29	183.37	183.45	183.52
36	185.19	185.31	185.43	185.54	185.64	185.74	185.83	185.92	186.00	186.07
37	187.66	187.80	187.92	188.03	188.14	188.24	188.34	188.43	188.51	188.59
38	190.11	190.24	190.37	190.49	190.60	190.71	190.81	190.91	191.00	191.07
39	192.51	192.65	192.79	192.91	193.03	193.14	193.24	193.34	193.43	193.51
40	194.89	195.03	195.17	195.30	195.42	195.54	195.64	195.74	195.84	195.92
41	197.23	197.37	197.51	197.66	197.79	197.90	198.01	198.12	198.21	198.30
42	199.54	199.70	199.85	199.99	200.12	200.24	200.35	200.46	200.56	200.65
43	201.82	201.98	202.14	202.28	202.42	202.54	202.66	202.77	202.87	202.97
44	204.07	204.24	204.40	204.55	204.69	204.82	204.94	205.05	205.16	205.26
45	206.29	206.47	206.63	206.79	206.93	207.06	207.19	207.31	207.42	207.53
46	208.48	208.67	208.84	209.00	209.15	209.29	209.42	209.54	209.65	209.76
47	210.65	210.84	211.02	211.18	211.34	211.48	211.61	211.74	211.86	211.97
48	212.79	212.99	213.17	213.34	213.50	213.65	213.79	213.92	214.04	214.16
49	214.91	215.11	215.30	215.48	215.64	215.79	215.94	216.07	216.20	216.32
50	217.03	217.21	217.41	217.59	217.76	217.91	218.06	218.21	218.33	218.45
51	219.15	219.34	219.53	219.71	219.88	219.99	220.14	220.28	220.40	220.52
52	221.26	221.46	221.65	221.84	222.01	222.17	222.34	222.49	222.63	222.76
53	223.35	223.56	223.75	223.94	224.11	224.27	224.44	224.59	224.73	224.87
54	225.43	225.64	225.83	226.02	226.19	226.35	226.51	226.66	226.80	226.94
55	227.50	227.71	227.90	228.09	228.26	228.42	228.58	228.73	228.87	229.01
56	229.56	229.77	229.96	230.15	230.32	230.48	230.64	230.79	230.93	231.07
57	231.61	231.82	232.01	232.19	232.36	232.52	232.67	232.81	232.95	233.09
58	233.65	233.86	234.05	234.24	234.41	234.57	234.72	234.86	234.99	235.13
59	235.68	235.89	236.08	236.27	236.44	236.60	236.75	236.89	237.02	237.16
60	237.70	237.91	238.10	238.29	238.46	238.62	238.77	238.91	239.04	239.18
61	239.71	239.92	240.11	240.30	240.47	240.63	240.78	240.92	241.05	241.19
62	241.71	241.92	242.11	242.30	242.47	242.63	242.78	242.91	243.04	243.18
63	243.70	243.91	244.10	244.29	244.46	244.62	244.77	244.90	245.03	245.17
64	245.68	245.89	246.08	246.27	246.44	246.60	246.75	246.88	247.01	247.15
65	247.65	247.86	248.05	248.24	248.41	248.57	248.72	248.85	248.98	249.12
66	249.61	249.82	250.01	250.20	250.37	250.53	250.68	250.81	250.94	251.08
67	251.56	251.77	251.96	252.15	252.32	252.48	252.63	252.76	252.89	253.03
68	253.50	253.71	253.90	254.09	254.26	254.42	254.57	254.70	254.83	254.97
69	255.43	255.64	255.83	256.02	256.19	256.35	256.50	256.63	256.76	256.90
70	257.35	257.56	257.75	257.94	258.11	258.27	258.42	258.55	258.68	258.82
71	259.26	259.47	259.66	259.85	259.99	260.14	260.27	260.40	260.53	260.66
72	261.15	261.36	261.55	261.74	261.90	262.05	262.18	262.31	262.44	262.57
73	263.03	263.24	263.43	263.62	263.78	263.93	264.06	264.19	264.32	264.45
74	264.90	265.11	265.30	265.49	265.65	265.80	265.93	266.06	266.19	266.32
75	267.77	267.98	268.17	268.36	268.52	268.67	268.80	268.93	269.06	269.19
76	269.63	269.84	269.99	270.14	270.28	270.41	270.54	270.67	270.80	270.93
77	271.48	271.69	271.88	272.07	272.23	272.37	272.50	272.63	272.76	272.89
78	273.32	273.53	273.72	273.91	274.07	274.21	274.34	274.47	274.60	274.73
79	275.15	275.36	275.55	275.74	275.90	276.04	276.17	276.30	276.43	276.56
80	276.97	277.18	277.37	277.56	277.72	277.86	277.99	278.12	278.25	278.38
81	278.78	278.99	279.18	279.37	279.53	279.67	279.80	279.93	280.06	280.19
82	280.59	280.80	280.99	281.18	281.34	281.48	281.61	281.74	281.87	282.00
83	282.99	283.20	283.39	283.58	283.74	283.88	284.01	284.14	284.27	284.40
84	284.98	285.19	285.38	285.57	285.73	285.87	286.00	286.13	286.26	286.39
85	286.87	287.08	287.27	287.46	287.62	287.76	287.89	288.02	288.15	288.28
86	289.35	289.56	289.75	289.94	290.10	290.24	290.37	290.50	290.63	290.76
87	291.82	292.03	292.22	292.41	292.57	292.71	292.84	292.97	293.10	293.23
88	294.28	294.49	294.68	294.87	295.03	295.17	295.30	295.43	295.56	295.69
89	296.73	296.94	297.13	297.32	297.48	297.62	297.75	297.88	298.01	298.14
90	299.17	299.38	299.57	299.76	299.92	300.06	300.19	300.32	300.45	300.58
91	301.60	301.81	302.00	302.19	302.35	302.49	302.62	302.75	302.88	303.01
92	304.02	304.23	304.42	304.61	304.77	304.91	305.04	305.17	305.30	305.43
93	306.43	306.64	306.83	307.02	307.18	307.32	307.45	307.58	307.71	307.84
94	308.83	309.04	309.23	309.42	309.58	309.72	309.85	309.98	310.11	310.24
95	311.22	311.43	311.62	311.81	311.97	312.11	312.24	312.37	312.50	312.63
96	313.60	313.81	314.00	314.19	314.35	314.49	314.62	314.75	314.88	315.01
97	315.97	316.18	316.37	316.56	316.72	316.86	316.99	317.12	317.25	317.38
98	318.33	318.54	318.73	318.92	319.08	319.22	319.35	319.48	319.61	319.74
99	320.68	320.89	321.08	321.27	321.43	321.57	321.70	321.83	321.96	322.09
100	323.02	323.23	323.42	323.61	323.77	323.91	324.04	324.17	324.30	324.43
101	325.35	325.56	325.75	325.94	326.10	326.24	326.37	326.50	326.63	326.76
102										

時間 (SEC)	5.10	5.20	5.30	5.40	5.50	5.60	5.70	5.80	5.90	6.00
深度 (CM)										
1	31.30	31.30	31.30	31.30	31.30	31.30	31.30	31.30	31.30	31.30
2	44.26	44.26	44.26	44.26	44.26	44.26	44.26	44.26	44.26	44.26
3	54.19	54.19	54.20	54.20	54.20	54.20	54.20	54.20	54.20	54.20
4	62.56	62.56	62.57	62.57	62.57	62.57	62.57	62.57	62.57	62.57
5	69.93	69.93	69.94	69.94	69.94	69.94	69.94	69.94	69.94	69.94
6	76.58	76.59	76.59	76.60	76.60	76.60	76.61	76.61	76.61	76.62
7	82.70	82.70	82.71	82.71	82.72	82.72	82.73	82.73	82.74	82.74
8	88.39	88.39	88.40	88.41	88.41	88.42	88.42	88.43	88.43	88.44
9	93.72	93.73	93.74	93.75	93.75	93.76	93.77	93.77	93.78	93.78
10	98.77	98.78	98.79	98.80	98.80	98.81	98.82	98.83	98.83	98.84
11	103.56	103.57	103.58	103.59	103.60	103.61	103.62	103.63	103.64	103.64
12	108.14	108.15	108.16	108.18	108.19	108.20	108.21	108.22	108.22	108.23
13	112.53	112.54	112.55	112.57	112.58	112.59	112.60	112.61	112.62	112.63
14	116.74	116.76	116.77	116.79	116.80	116.82	116.83	116.84	116.85	116.86
15	120.81	120.83	120.85	120.86	120.88	120.89	120.90	120.92	120.93	120.94
16	124.74	124.76	124.78	124.80	124.81	124.83	124.84	124.86	124.87	124.88
17	128.55	128.57	128.59	128.61	128.63	128.64	128.66	128.67	128.69	128.70
18	132.24	132.26	132.28	132.31	132.33	132.34	132.36	132.38	132.39	132.41
19	135.83	135.85	135.88	135.90	135.92	135.94	135.96	135.98	136.00	136.01
20	139.32	139.35	139.37	139.40	139.42	139.44	139.46	139.48	139.50	139.52
21	142.72	142.75	142.77	142.81	142.83	142.85	142.88	142.90	142.92	142.94
22	146.04	146.08	146.11	146.13	146.16	146.19	146.21	146.23	146.26	146.28
23	149.27	149.32	149.35	149.38	149.41	149.45	149.47	149.49	149.51	149.54
24	152.46	152.50	152.53	152.56	152.59	152.62	152.65	152.67	152.70	152.72
25	155.56	155.60	155.63	155.67	155.70	155.73	155.76	155.79	155.82	155.84
26	158.60	158.64	158.68	158.72	158.75	158.79	158.82	158.85	158.87	158.90
27	161.58	161.62	161.67	161.70	161.74	161.78	161.81	161.84	161.87	161.90
28	164.50	164.55	164.59	164.63	164.67	164.71	164.74	164.78	164.81	164.84
29	167.37	167.42	167.47	167.51	167.55	167.59	167.62	167.66	167.69	167.72
30	170.19	170.24	170.29	170.33	170.38	170.42	170.45	170.49	170.53	170.56
31	172.96	173.01	173.06	173.11	173.15	173.20	173.23	173.27	173.31	173.34
32	175.68	175.74	175.79	175.84	175.88	175.93	175.97	176.01	176.05	176.09
33	178.36	178.42	178.47	178.52	178.57	178.62	178.66	178.71	178.74	178.78
34	180.99	181.05	181.11	181.17	181.22	181.27	181.31	181.36	181.40	181.44
35	183.59	183.65	183.71	183.77	183.82	183.87	183.92	183.97	184.01	184.05
36	186.14	186.21	186.27	186.33	186.39	186.44	186.49	186.54	186.58	186.63
37	188.66	188.73	188.80	188.86	188.92	188.97	189.02	189.07	189.12	189.17
38	191.14	191.22	191.29	191.35	191.41	191.47	191.52	191.57	191.62	191.67
39	193.59	193.67	193.74	193.80	193.87	193.93	193.98	194.04	194.09	194.14
40	196.01	196.08	196.16	196.23	196.29	196.36	196.41	196.47	196.52	196.57
41	198.39	198.47	198.55	198.62	198.69	198.75	198.81	198.87	198.93	198.98
42	200.74	200.83	200.91	200.98	201.05	201.12	201.19	201.24	201.30	201.35
43	203.06	203.15	203.23	203.31	203.38	203.45	203.52	203.59	203.64	203.70
44	205.36	205.45	205.53	205.61	205.69	205.76	205.83	205.90	205.96	206.01
45	207.63	207.72	207.81	207.89	207.97	208.04	208.11	208.18	208.24	208.30
46	209.86	209.96	210.05	210.14	210.22	210.30	210.37	210.44	210.50	210.57
47	212.08	212.18	212.27	212.36	212.44	212.52	212.60	212.67	212.74	212.80
48	214.27	214.37	214.47	214.56	214.64	214.73	214.80	214.88	214.95	215.01
49	216.43	216.54	216.64	216.73	216.82	216.90	216.98	217.06	217.13	217.20
50	218.57	218.68	218.78	218.86	218.97	219.05	219.14	219.22	219.29	219.36
52	222.78	222.90	223.01	223.11	223.21	223.31	223.39	223.47	223.55	223.62
54	226.91	227.03	227.14	227.25	227.36	227.46	227.55	227.64	227.72	227.80
56	230.95	231.08	231.20	231.32	231.43	231.53	231.63	231.72	231.81	231.89
58	234.91	235.05	235.18	235.30	235.42	235.52	235.63	235.73	235.82	235.91
60	238.80	238.95	239.08	239.21	239.33	239.45	239.56	239.66	239.76	239.85
62	242.62	242.78	242.92	243.05	243.18	243.31	243.43	243.55	243.66	243.77
64	246.38	246.54	246.68	246.83	246.96	247.09	247.21	247.32	247.43	247.53
66	250.07	250.23	250.39	250.54	250.67	250.81	250.93	251.05	251.16	251.27
68	253.69	253.87	254.03	254.18	254.33	254.47	254.60	254.72	254.84	254.95
70	257.26	257.44	257.61	257.77	257.93	258.07	258.21	258.34	258.46	258.58
72	260.77	260.96	261.14	261.31	261.47	261.62	261.76	261.91	262.02	262.15
74	264.23	264.43	264.61	264.79	264.95	265.11	265.26	265.41	265.55	265.68
76	267.64	267.84	268.03	268.22	268.39	268.55	268.71	268.85	268.99	269.13
78	270.99	271.20	271.41	271.59	271.77	271.94	272.11	272.26	272.40	272.54
80	274.30	274.52	274.73	274.93	275.11	275.29	275.46	275.61	275.76	275.91
82	277.56	277.79	278.01	278.21	278.40	278.59	278.76	278.92	279.08	279.23
84	280.78	281.01	281.24	281.45	281.65	281.84	282.02	282.19	282.35	282.51
86	283.95	284.19	284.43	284.65	284.85	285.05	285.24	285.41	285.58	285.74
88	287.08	287.33	287.57	287.80	288.02	288.22	288.41	288.59	288.77	288.94
90	290.17	290.43	290.68	290.92	291.14	291.35	291.55	291.74	291.92	292.09
92	293.22	293.49	293.75	293.99	294.22	294.44	294.65	294.84	295.03	295.21
94	296.23	296.51	296.76	297.01	297.23	297.44	297.63	297.81	298.00	298.18
96	299.21	299.50	299.77	300.03	300.28	300.51	300.73	300.94	301.14	301.33
98	302.15	302.45	302.73	303.00	303.25	303.49	303.72	303.93	304.14	304.33
100	305.05	305.36	305.64	305.93	306.19	306.44	306.67	306.89	307.10	307.30
105	312.17	312.50	312.80	313.12	313.40	313.65	313.91	314.15	314.39	314.59
110	319.09	319.45	319.79	320.10	320.38	320.64	320.89	321.13	321.36	321.59
115	325.83	326.21	326.57	326.91	327.23	327.54	327.83	328.11	328.38	328.61
120	332.39	332.80	333.18	333.55	333.89	334.21	334.52	334.81	335.09	335.36
125	338.79	339.23	339.63	340.02	340.38	340.73	341.06	341.37	341.66	341.94
130	345.04	345.50	345.93	346.34	346.73	347.09	347.44	347.77	348.09	348.38
135	351.14	351.63	352.08	352.52	352.93	353.31	353.68	354.03	354.35	354.67
140	357.11	357.62	358.10	358.56	359.00	359.41	359.79	360.15	360.50	360.84
145	362.94	363.48	363.99	364.47	364.92	365.36	365.76	366.13	366.52	366.87
150	368.64	369.21	369.75	370.26	370.74	371.19	371.62	372.03	372.41	372.78
160	379.71	380.33	380.92	381.48	382.01	382.51	383.00	383.45	383.88	384.27
170	391.02	391.67	392.28	392.86	393.41	393.92	394.41	394.88	395.33	395.75
180	400.56	401.31	402.01	402.68	403.31	403.91	404.47	405.01	405.52	406.01
190	410.42	411.23	411.97	412.72	413.40	414.05	414.66	415.24	415.80	416.32
200	419.93	420.81	421.63	422.41	423.15	423.85	424.51	425.14	425.74	426.31
210	429.12	430.05	430.95	431.79	432.59	433.34	434.05	434.73	435.37	435.98
220	438.02	439.03	439.98	440.88	441.73	442.54	443.31	444.03	444.72	445.37
230	446.63	447.71	448.73	449.69	450.60	451.46	452.28	453.06	453.79	454.49
240	454.97	456.13	457.21	458.24	459.21	460.13	461.01	461.85	462.61	463.36
250	463.07	464.30	465.45	466.54	467.57	468.55	469.48	470.36	471.19	471.99
260	470.93	472.23	473.45	474.61	475.71	476.74	477.73	478.66	479.54	480.39
270	478.57	479.94	481.24	482.46	483.62	484.72	485.76	486.75	487.68	488.57
280	487.99	489.44	490.81	492.10	493.33	494.50	495.64	496.73	497.78	498.79
290	493.21	494.74	496.18	497.54	498.83	500.05	501.21	502.31	503.35	504.35
300	500.24	501.84	503.35	504.79	506.15	507.44	508.65	509.81	510.91	511.94

3399 (ESEC)	6.10	6.20	6.30	6.40	6.50	6.60	6.70	6.80	6.90	7.00
3399 (CM)										
1	31.30	31.31	31.31	31.31	31.31	31.31	31.31	31.31	31.31	31.31
2	48.27	48.27	48.27	48.27	48.27	48.27	48.27	48.27	48.27	48.27
3	54.21	54.21	54.21	54.21	54.21	54.21	54.21	54.21	54.21	54.21
4	62.59	62.59	62.59	62.59	62.59	62.59	62.59	62.59	62.59	62.59
5	69.96	69.96	69.96	69.96	69.96	69.96	69.96	69.96	69.96	69.96
6	76.62	76.62	76.62	76.62	76.62	76.62	76.62	76.62	76.62	76.62
7	82.74	82.75	82.75	82.75	82.75	82.75	82.75	82.75	82.75	82.77
8	88.44	88.45	88.45	88.45	88.45	88.45	88.45	88.45	88.47	88.47
9	93.79	93.79	93.80	93.80	93.81	93.81	93.82	93.82	93.82	93.83
10	98.84	98.85	98.86	98.86	98.87	98.87	98.88	98.88	98.88	98.89
11	103.65	103.66	103.66	103.67	103.68	103.68	103.69	103.69	103.70	103.70
12	108.24	108.25	108.26	108.26	108.27	108.27	108.28	108.29	108.29	108.30
13	112.64	112.65	112.66	112.66	112.67	112.69	112.69	112.69	112.70	112.70
14	116.87	116.88	116.89	116.90	116.91	116.91	116.92	116.93	116.94	116.94
15	120.95	120.96	120.97	120.98	120.99	121.00	121.01	121.02	121.02	121.03
16	124.90	124.91	124.92	124.93	124.94	124.95	124.96	124.97	124.97	124.98
17	128.72	128.73	128.74	128.75	128.76	128.77	128.78	128.79	128.80	128.81
18	132.42	132.44	132.45	132.46	132.48	132.49	132.50	132.51	132.52	132.53
19	136.03	136.04	136.06	136.07	136.08	136.10	136.11	136.12	136.13	136.14
20	139.54	139.55	139.57	139.58	139.60	139.61	139.62	139.64	139.65	139.66
21	142.96	142.97	142.99	143.01	143.02	143.04	143.05	143.06	143.08	143.09
22	146.30	146.31	146.33	146.35	146.36	146.38	146.39	146.41	146.42	146.44
23	149.56	149.58	149.60	149.61	149.63	149.65	149.66	149.68	149.69	149.71
24	152.75	152.77	152.79	152.81	152.82	152.84	152.86	152.87	152.89	152.91
25	155.87	155.89	155.91	155.93	155.95	155.97	155.99	156.00	156.02	156.04
26	158.92	158.95	158.97	158.99	159.01	159.03	159.05	159.07	159.09	159.11
27	161.92	161.95	161.97	162.00	162.02	162.04	162.06	162.07	162.10	162.11
28	164.86	164.89	164.92	164.94	164.96	164.97	165.01	165.03	165.05	165.07
29	167.75	167.78	167.81	167.83	167.85	167.88	167.90	167.92	167.95	167.96
30	170.59	170.62	170.65	170.67	170.70	170.72	170.75	170.77	170.79	170.81
31	173.38	173.41	173.44	173.47	173.49	173.52	173.54	173.57	173.59	173.61
32	176.12	176.15	176.18	176.21	176.24	176.27	176.30	176.32	176.34	176.37
33	178.82	178.85	178.89	178.92	178.95	178.97	179.00	179.03	179.05	179.08
34	181.47	181.51	181.55	181.58	181.61	181.64	181.67	181.70	181.74	181.78
35	184.09	184.13	184.16	184.20	184.23	184.26	184.29	184.32	184.35	184.37
36	186.67	186.71	186.74	186.78	186.81	186.85	186.88	186.91	186.93	186.96
37	189.21	189.25	189.29	189.33	189.36	189.39	189.43	189.46	189.49	189.51
38	191.71	191.75	191.80	191.83	191.87	191.91	191.94	191.97	192.00	192.03
39	194.18	194.23	194.27	194.31	194.35	194.39	194.42	194.45	194.48	194.52
40	196.62	196.67	196.71	196.75	196.79	196.83	196.87	196.91	196.94	196.97
41	199.03	199.08	199.12	199.17	199.21	199.25	199.28	199.32	199.35	199.39
42	201.41	201.45	201.50	201.55	201.59	201.63	201.67	201.71	201.74	201.78
43	203.75	203.80	203.85	203.90	203.94	203.98	204.02	204.06	204.10	204.14
44	206.07	206.12	206.17	206.22	206.27	206.31	206.35	206.39	206.43	206.47
45	208.36	208.42	208.47	208.52	208.56	208.61	208.65	208.69	208.73	208.77
46	210.62	210.68	210.73	210.79	210.83	210.88	210.93	210.97	211.01	211.05
47	212.86	212.92	212.98	213.03	213.08	213.13	213.17	213.22	213.26	213.30
48	215.08	215.14	215.19	215.25	215.30	215.35	215.40	215.44	215.49	215.53
49	217.27	217.33	217.39	217.44	217.49	217.55	217.60	217.64	217.69	217.73
50	219.43	219.50	219.56	219.61	219.67	219.72	219.77	219.82	219.87	219.91
52	223.70	223.76	223.83	223.89	223.95	224.00	224.06	224.11	224.16	224.21
54	227.87	227.95	228.01	228.08	228.14	228.20	228.26	228.31	228.36	228.41
56	231.97	232.05	232.12	232.19	232.25	232.32	232.38	232.43	232.49	232.54
58	235.99	236.07	236.15	236.22	236.29	236.35	236.42	236.48	236.54	236.59
60	239.94	240.02	240.10	240.18	240.25	240.32	240.39	240.45	240.51	240.57
62	243.81	243.90	243.99	244.07	244.14	244.22	244.29	244.35	244.42	244.48
64	247.63	247.72	247.81	247.89	247.97	248.05	248.12	248.19	248.26	248.32
66	251.37	251.47	251.56	251.65	251.73	251.82	251.89	251.97	252.04	252.10
68	255.06	255.16	255.26	255.35	255.44	255.52	255.60	255.68	255.75	255.82
70	258.69	258.80	258.90	259.00	259.09	259.17	259.26	259.34	259.41	259.49
72	262.26	262.37	262.47	262.58	262.68	262.77	262.85	262.94	263.02	263.09
74	265.78	265.90	266.01	266.11	266.21	266.31	266.40	266.49	266.57	266.65
76	269.25	269.37	269.49	269.60	269.70	269.80	269.89	269.98	270.07	270.15
78	272.67	272.80	272.92	273.03	273.14	273.24	273.34	273.43	273.52	273.61
80	276.04	276.17	276.30	276.42	276.53	276.63	276.74	276.84	276.94	277.02
82	279.37	279.51	279.63	279.76	279.87	279.98	280.09	280.19	280.29	280.38
84	282.65	282.79	282.93	283.05	283.17	283.29	283.40	283.50	283.61	283.70
86	285.89	286.04	286.18	286.31	286.43	286.55	286.67	286.78	286.89	286.99
88	289.09	289.24	289.38	289.52	289.65	289.77	289.89	289.99	290.11	290.22
90	292.25	292.41	292.55	292.69	292.83	292.93	292.96	293.08	293.21	293.31
92	295.37	295.53	295.69	295.83	295.97	296.10	296.23	296.35	296.46	296.58
94	298.46	298.62	298.78	298.93	299.07	299.21	299.34	299.46	299.58	299.70
96	301.50	301.67	301.84	301.99	302.14	302.28	302.41	302.54	302.67	302.79
98	304.52	304.69	304.86	305.02	305.17	305.32	305.45	305.57	305.72	305.84
100	307.49	307.68	307.85	308.01	308.17	308.32	308.46	308.60	308.73	308.86
105	314.40	314.59	314.78	314.97	315.15	315.33	315.51	315.69	315.86	316.03
110	321.91	322.12	322.31	322.51	322.69	322.86	323.03	323.19	323.34	323.48
115	328.84	329.06	329.28	329.49	329.67	329.86	330.04	330.21	330.37	330.52
120	335.65	335.88	336.07	336.28	336.49	336.69	336.88	337.06	337.23	337.39
125	342.21	342.46	342.71	342.93	343.15	343.36	343.56	343.75	343.94	344.11
130	348.66	348.93	349.19	349.43	349.66	349.89	350.10	350.33	350.50	350.68
135	354.97	355.26	355.53	355.79	356.03	356.27	356.49	356.71	356.91	357.11
140	361.15	361.45	361.74	362.01	362.27	362.52	362.76	362.97	363.20	363.41
145	367.20	367.52	367.82	368.11	368.38	368.65	368.90	369.14	369.36	369.58
150	373.13	373.47	373.78	374.09	374.38	374.65	374.92	375.17	375.41	375.64
160	388.65	389.02	389.37	389.70	390.02	390.33	390.62	390.89	391.16	391.41
170	395.75	396.15	396.54	396.90	397.25	397.58	397.90	398.21	398.50	398.78
180	406.46	406.90	407.32	407.72	408.10	408.46	408.81	409.14	409.46	409.76
190	416.82	417.30	417.75	418.18	418.59	418.99	419.36	419.72	420.07	420.40
200	426.95	427.36	427.85	428.32	428.76	429.19	429.59	429.98	430.35	430.71
210	436.56	437.12	437.64	438.15	438.63	439.09	439.52	439.94	440.34	440.72
220	446.00	446.59	447.15	447.69	448.21	448.73	449.21	449.66	450.09	450.50
230	455.16	455.79	456.41	457.01	457.57	458.09	458.55	459.01	459.44	459.84
240	464.07	464.74	465.37	466.00	466.59	467.15	467.68	468.19	468.68	469.15
250	472.74	473.46	474.14	474.80	475.42	476.01	476.58	477.12	477.63	478.11
260	481.19	481.95	482.67	483.37	484.03	484.66	485.26	485.84	486.39	486.91
270	489.42	490.23	491.00	491.73	492.43	493.09	493.73	494.34	494.92	495.48
280	497.45	498.30	499.11	499.89	500.62	501.33	502.02	502.69	503.34	503.98
290	505.29	506.19	507.04	507.86	508.63	509.38	510.09	510.77	511.42	512.06
300	512.94	513.89	514.79	515.64	516.46	517.25	517.99	518.71	519.39	520.06

2019 (SEC)	7.10	7.20	7.30	7.40	7.50	7.60	7.70	7.80	7.90	8.00
1	31.31	31.31	31.31	31.31	31.11	31.31	31.31	31.31	31.31	31.31
2	44.27	44.27	44.27	44.27	44.27	44.27	44.27	44.27	44.27	44.27
3	54.21	54.21	54.21	54.21	54.22	54.22	54.22	54.22	54.22	54.22
4	62.59	62.59	62.59	62.59	62.60	62.60	62.60	62.60	62.60	62.60
5	69.97	69.97	69.97	69.97	69.98	69.98	69.98	69.98	69.98	69.98
6	76.94	76.84	76.64	75.65	76.05	76.55	76.55	76.65	76.65	76.65
7	82.77	82.77	82.73	82.75	82.78	82.78	82.78	82.78	82.78	82.79
8	88.47	88.48	88.48	88.48	88.48	88.48	88.48	88.48	88.48	88.48
9	93.33	93.33	93.84	93.84	93.84	93.84	93.84	93.84	93.84	93.84
10	98.49	98.90	98.90	98.90	98.91	98.91	98.91	98.91	98.92	98.92
11	103.70	103.71	103.71	103.72	103.72	103.72	103.73	103.73	103.73	103.74
12	108.30	108.31	108.31	108.32	108.32	108.32	108.33	108.33	108.34	108.34
13	112.71	112.71	112.72	112.73	112.73	112.73	112.74	112.74	112.75	112.75
14	116.95	116.95	116.95	116.97	116.97	116.97	116.98	116.98	116.99	116.99
15	121.04	121.04	121.05	121.06	121.06	121.07	121.07	121.07	121.08	121.09
16	124.99	125.00	125.00	125.01	125.02	125.02	125.03	125.03	125.04	125.04
17	128.82	128.83	128.84	128.84	128.85	128.85	128.86	128.86	128.87	128.88
18	132.54	132.55	132.55	132.56	132.57	132.57	132.58	132.58	132.59	132.60
19	136.15	136.16	136.17	136.18	136.19	136.20	136.20	136.21	136.22	136.22
20	139.67	139.68	139.68	139.69	139.70	139.71	139.72	139.73	139.74	139.75
21	143.10	143.11	143.12	143.13	143.14	143.15	143.16	143.17	143.18	143.19
22	146.45	146.46	146.47	146.48	146.49	146.50	146.51	146.52	146.53	146.54
23	149.72	149.73	149.74	149.75	149.76	149.77	149.78	149.79	149.80	149.81
24	152.92	152.93	152.94	152.95	152.96	152.97	152.98	152.99	153.00	153.01
25	156.05	156.07	156.07	156.09	156.10	156.11	156.12	156.13	156.15	156.16
26	159.12	159.14	159.15	159.16	159.18	159.19	159.20	159.22	159.23	159.24
27	162.15	162.15	162.16	162.18	162.19	162.21	162.22	162.23	162.24	162.25
28	165.08	165.10	165.11	165.13	165.15	165.16	165.18	165.19	165.20	165.21
29	167.98	168.00	168.02	168.04	168.05	168.07	168.08	168.10	168.11	168.12
30	170.85	170.85	170.87	170.89	170.90	170.92	170.94	170.95	170.96	170.98
31	173.63	173.65	173.67	173.69	173.71	173.72	173.74	173.76	173.77	173.79
32	176.39	176.41	176.43	176.45	176.47	176.49	176.50	176.52	176.53	176.55
33	179.10	179.12	179.14	179.16	179.18	179.20	179.22	179.24	179.25	179.27
34	181.77	181.79	181.81	181.83	181.85	181.87	181.89	181.91	181.93	181.94
35	184.43	184.42	184.44	184.47	184.49	184.51	184.53	184.55	184.56	184.58
36	186.99	187.01	187.04	187.06	187.08	187.10	187.12	187.14	187.16	187.18
37	189.54	189.57	189.59	189.62	189.64	189.66	189.68	189.70	189.72	189.74
38	192.06	192.09	192.11	192.14	192.16	192.18	192.21	192.23	192.25	192.27
39	194.55	194.57	194.60	194.63	194.65	194.67	194.70	194.72	194.74	194.76
40	197.00	197.03	197.05	197.08	197.11	197.13	197.16	197.18	197.20	197.22
41	199.42	199.45	199.48	199.50	199.53	199.55	199.58	199.61	199.63	199.65
42	201.81	201.84	201.87	201.90	201.93	201.95	201.98	202.00	202.03	202.05
43	204.17	204.20	204.23	204.26	204.29	204.32	204.35	204.37	204.40	204.42
44	206.50	206.54	206.57	206.60	206.63	206.66	206.69	206.71	206.74	206.76
45	208.81	208.84	208.88	208.91	208.94	208.97	209.00	209.03	209.05	209.07
46	211.03	211.12	211.16	211.19	211.22	211.25	211.28	211.31	211.34	211.36
47	213.34	213.36	213.41	213.45	213.48	213.51	213.54	213.57	213.60	213.63
48	215.57	215.61	215.64	215.68	215.71	215.75	215.78	215.81	215.84	215.86
49	217.77	217.81	217.85	217.89	217.92	217.95	217.98	218.02	218.05	218.08
50	219.96	220.00	220.03	220.07	220.11	220.14	220.18	220.21	220.24	220.27
52	224.25	224.29	224.34	224.38	224.41	224.44	224.48	224.52	224.55	224.58
53	226.46	226.51	226.55	226.59	226.63	226.67	226.71	226.75	226.78	226.81
54	228.59	228.64	228.68	228.72	228.76	228.80	228.84	228.88	228.92	228.95
55	230.64	230.70	230.74	230.78	230.83	230.87	230.91	230.95	230.99	231.03
56	232.69	232.74	232.78	232.83	232.87	232.91	232.95	232.99	233.03	233.07
57	234.64	234.70	234.74	234.78	234.83	234.87	234.91	234.95	234.99	235.03
58	236.59	236.64	236.68	236.72	236.76	236.80	236.84	236.88	236.92	236.96
59	238.44	238.49	238.53	238.57	238.61	238.65	238.69	238.73	238.77	238.81
60	240.29	240.34	240.38	240.42	240.46	240.50	240.54	240.58	240.62	240.66
62	244.54	244.59	244.63	244.67	244.71	244.75	244.79	244.83	244.87	244.91
64	248.79	248.84	248.88	248.92	248.96	249.00	249.04	249.08	249.12	249.16
65	250.77	250.82	250.86	250.90	250.94	250.98	251.02	251.06	251.10	251.14
66	252.71	252.75	252.79	252.83	252.87	252.91	252.95	252.99	253.03	253.07
67	254.63	254.68	254.72	254.76	254.80	254.84	254.88	254.92	254.96	255.00
68	256.54	256.59	256.63	256.67	256.71	256.75	256.79	256.83	256.87	256.91
69	258.44	258.49	258.53	258.57	258.61	258.65	258.69	258.73	258.77	258.81
70	260.33	260.38	260.42	260.46	260.50	260.54	260.58	260.62	260.66	260.70
72	263.17	263.22	263.26	263.30	263.34	263.38	263.42	263.46	263.50	263.54
74	266.73	266.80	266.87	266.94	267.01	267.08	267.15	267.22	267.29	267.36
75	270.23	270.31	270.38	270.45	270.52	270.59	270.66	270.73	270.80	270.87
76	273.69	273.77	273.85	273.92	274.00	274.07	274.14	274.21	274.28	274.35
80	277.14	277.19	277.27	277.34	277.41	277.48	277.55	277.62	277.69	277.76
82	280.47	280.55	280.64	280.72	280.80	280.87	280.94	281.01	281.07	281.13
84	283.79	283.88	283.97	284.05	284.13	284.21	284.29	284.36	284.43	284.49
85	287.08	287.17	287.26	287.34	287.42	287.50	287.58	287.65	287.72	287.78
86	290.32	290.41	290.50	290.58	290.67	290.75	290.83	290.91	290.98	291.05
89	293.52	293.62	293.71	293.80	293.89	293.97	294.05	294.13	294.21	294.28
92	296.68	296.78	296.88	296.97	297.06	297.15	297.23	297.31	297.39	297.46
93	299.81	299.91	300.01	300.11	300.20	300.29	300.38	300.46	300.54	300.62
94	302.90	303.01	303.11	303.21	303.31	303.40	303.49	303.57	303.65	303.73
95	305.95	306.07	306.17	306.28	306.38	306.47	306.56	306.64	306.72	306.80
103	308.98	309.09	309.20	309.31	309.41	309.51	309.61	309.70	309.79	309.86
109	316.37	316.52	316.64	316.75	316.86	316.97	317.07	317.16	317.26	317.35
110	323.62	323.75	323.88	324.00	324.12	324.23	324.34	324.44	324.54	324.64
115	330.67	330.81	330.95	331.08	331.21	331.33	331.44	331.54	331.64	331.74
120	337.55	337.70	337.85	337.99	338.12	338.25	338.36	338.46	338.56	338.66
125	344.28	344.44	344.60	344.74	344.89	345.02	345.15	345.27	345.40	345.52
133	350.46	351.03	351.19	351.35	351.50	351.65	351.79	351.92	352.05	352.18
135	357.30	357.48	357.66	357.82	357.98	358.14	358.29	358.42	358.56	358.69
140	363.61	363.80	363.99	364.16	364.33	364.49	364.65	364.81	364.96	365.08
145	369.79	370.00	370.19	370.37	370.55	370.72	370.89	371.05	371.20	371.34
150	375.96	376.07	376.26	376.47	376.66	376.84	377.01	377.18	377.34	377.49
160	387.66	387.89	388.12	388.33	388.54	388.75	388.95	389.14	389.32	389.49
170	399.06	399.30	399.54	399.78	400.01	400.24	400.47	400.69	400.91	401.11
180	410.05	410.33	410.61	410.88	411.15	411.41	411.66	411.90	412.13	412.36
190	420.71	421.01	421.31	421.58	421.85	422.11	422.35	422.58	422.80	423.01
200	431.05	431.37	431.67	431.99	432.29	432.58	432.85	433.11	433.35	433.58
210	441.09	441.44	441.77	442.10	442.41	442.71	442.99	443.27	443.54	443.79
220	450.95	451.22	451.50	451.93	452.25	452.55	452.83	453.11	453.37	453.75
230	460.34	460.74	461.11	461.50	461.88	462.23	462.53	462.81	463.08	463.44
240	469.53	470.02	470.44	470.83	471.21	471.58	471.93	472.24	472.54	

時間 (SEC)	8.10	8.20	8.30	8.40	8.50	8.60	8.70	8.80	8.90	9.00
1	31.31	31.31	31.31	31.31	31.31	31.31	31.31	31.31	31.31	31.31
2	44.27	44.27	44.27	44.27	44.27	44.27	44.27	44.27	44.27	44.27
3	54.22	54.22	54.22	54.22	54.22	54.22	54.22	54.22	54.22	54.22
4	62.60	62.60	62.60	62.60	62.60	62.60	62.60	62.60	62.60	62.60
5	69.98	69.98	69.98	69.98	69.98	69.98	69.98	69.98	69.98	69.98
6	76.66	76.66	76.66	76.66	76.66	76.66	76.66	76.66	76.66	76.66
7	82.79	82.79	82.79	82.79	82.79	82.79	82.79	82.79	82.79	82.79
8	89.50	89.50	89.50	89.50	89.50	89.50	89.50	89.50	89.50	89.50
9	93.86	93.86	93.86	93.86	93.86	93.86	93.86	93.86	93.86	93.86
10	98.92	98.92	98.92	98.92	98.92	98.92	98.92	98.92	98.92	98.92
11	103.74	103.74	103.74	103.74	103.74	103.74	103.74	103.74	103.74	103.74
12	108.34	108.34	108.34	108.34	108.34	108.34	108.34	108.34	108.34	108.34
13	112.75	112.75	112.75	112.75	112.75	112.75	112.75	112.75	112.75	112.75
14	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00	117.00
15	121.19	121.19	121.19	121.19	121.19	121.19	121.19	121.19	121.19	121.19
16	125.05	125.05	125.05	125.05	125.05	125.05	125.05	125.05	125.05	125.05
17	128.39	128.39	128.39	128.39	128.39	128.39	128.39	128.39	128.39	128.39
18	132.61	132.61	132.61	132.61	132.61	132.61	132.61	132.61	132.61	132.61
19	136.23	136.23	136.23	136.23	136.23	136.23	136.23	136.23	136.23	136.23
20	139.76	139.76	139.76	139.76	139.76	139.76	139.76	139.76	139.76	139.76
21	143.19	143.20	143.21	143.21	143.22	143.23	143.23	143.24	143.25	143.25
22	146.55	146.56	146.56	146.57	146.78	146.59	146.59	146.60	146.61	146.61
23	149.33	149.83	149.84	149.85	149.76	149.87	149.87	149.88	149.89	149.89
24	153.03	153.04	153.05	153.06	153.07	153.08	153.08	153.09	153.10	153.10
25	156.17	156.18	156.19	156.20	156.21	156.22	156.23	156.24	156.25	156.25
26	159.25	159.26	159.27	159.28	159.29	159.30	159.31	159.32	159.33	159.33
27	162.27	162.28	162.29	162.30	162.31	162.32	162.33	162.34	162.35	162.35
28	165.23	165.24	165.25	165.26	165.27	165.28	165.29	165.30	165.31	165.32
29	168.13	168.15	168.16	168.17	168.18	168.19	168.20	168.21	168.22	168.23
30	170.99	171.01	171.02	171.03	171.04	171.05	171.06	171.07	171.08	171.09
31	173.40	173.81	173.83	173.84	173.85	173.86	173.87	173.88	173.89	173.90
32	176.56	176.57	176.58	176.59	176.60	176.61	176.62	176.63	176.64	176.65
33	179.28	179.30	179.31	179.32	179.33	179.34	179.35	179.36	179.37	179.38
34	181.96	181.97	181.98	182.00	182.02	182.05	182.04	182.05	182.06	182.08
35	184.60	184.61	184.63	184.64	184.66	184.67	184.69	184.71	184.73	184.74
36	187.23	187.21	187.23	187.25	187.26	187.27	187.29	187.31	187.32	187.33
37	189.76	189.78	189.79	189.81	189.83	189.84	189.86	189.87	189.89	189.90
38	192.29	192.30	192.32	192.34	192.36	192.37	192.39	192.41	192.42	192.43
39	194.78	194.80	194.82	194.84	194.85	194.87	194.88	194.91	194.93	194.93
40	197.24	197.26	197.28	197.30	197.32	197.33	197.35	197.37	197.38	197.40
41	199.67	199.69	199.71	199.73	199.75	199.77	199.78	199.81	199.82	199.83
42	202.07	202.09	202.11	202.13	202.15	202.17	202.19	202.22	202.22	202.24
43	204.44	204.46	204.48	204.51	204.52	204.54	204.56	204.58	204.60	204.61
44	206.78	206.81	206.83	206.85	206.87	206.89	206.91	206.93	206.96	206.96
45	209.10	209.12	209.15	209.17	209.19	209.21	209.23	209.25	209.27	209.28
46	211.39	211.41	211.44	211.46	211.48	211.50	211.52	211.54	211.56	211.58
47	213.65	213.68	213.70	213.72	213.74	213.77	213.79	213.81	213.83	213.86
48	215.89	215.92	215.94	215.97	215.99	216.01	216.03	216.05	216.07	216.09
49	218.11	218.13	218.16	218.18	218.21	218.23	218.25	218.27	218.29	218.31
50	220.33	220.32	220.35	220.33	220.40	220.42	220.45	220.47	220.49	220.51
51	222.61	222.64	222.67	222.70	222.72	222.75	222.77	222.80	222.82	222.84
52	224.85	224.88	224.91	224.93	224.96	224.99	225.01	225.04	225.06	225.09
53	227.07	227.11	227.14	227.17	227.20	227.23	227.26	227.29	227.32	227.34
54	229.28	229.31	229.34	229.37	229.40	229.43	229.46	229.49	229.52	229.54
55	231.48	231.51	231.54	231.57	231.60	231.63	231.66	231.69	231.72	231.74
56	233.68	233.71	233.74	233.77	233.80	233.83	233.86	233.89	233.92	233.94
57	235.87	235.90	235.93	235.96	235.99	236.02	236.05	236.08	236.11	236.13
58	238.06	238.09	238.12	238.15	238.18	238.21	238.24	238.27	238.30	238.32
59	240.25	240.28	240.31	240.34	240.37	240.40	240.43	240.46	240.49	240.51
60	242.44	242.47	242.50	242.53	242.56	242.59	242.62	242.65	242.68	242.70
61	244.63	244.66	244.69	244.72	244.75	244.78	244.81	244.84	244.87	244.89
62	246.82	246.85	246.88	246.91	246.94	246.97	247.00	247.03	247.06	247.08
63	249.01	249.04	249.07	249.10	249.13	249.16	249.19	249.22	249.25	249.27
64	251.20	251.23	251.26	251.29	251.32	251.35	251.38	251.41	251.44	251.46
65	253.39	253.42	253.45	253.48	253.51	253.54	253.57	253.60	253.63	253.65
66	255.58	255.61	255.64	255.67	255.70	255.73	255.76	255.79	255.82	255.84
67	257.77	257.80	257.83	257.86	257.89	257.92	257.95	257.98	258.01	258.03
68	259.96	259.99	260.02	260.05	260.08	260.11	260.14	260.17	260.20	260.22
69	262.15	262.18	262.21	262.24	262.27	262.30	262.33	262.36	262.39	262.41
70	264.34	264.37	264.40	264.43	264.46	264.49	264.52	264.55	264.58	264.60
71	266.53	266.56	266.59	266.62	266.65	266.68	266.71	266.74	266.77	266.79
72	268.72	268.75	268.78	268.81	268.84	268.87	268.90	268.93	268.96	268.98
73	270.91	270.94	270.97	271.00	271.03	271.06	271.09	271.12	271.15	271.17
74	273.10	273.13	273.16	273.19	273.22	273.25	273.28	273.31	273.34	273.36
75	275.29	275.32	275.35	275.38	275.41	275.44	275.47	275.50	275.53	275.55
76	277.48	277.51	277.54	277.57	277.60	277.63	277.66	277.69	277.72	277.74
77	279.67	279.70	279.73	279.76	279.79	279.82	279.85	279.88	279.91	279.93
78	281.86	281.89	281.92	281.95	281.98	282.01	282.04	282.07	282.10	282.12
79	284.05	284.08	284.11	284.14	284.17	284.20	284.23	284.26	284.29	284.31
80	286.24	286.27	286.30	286.33	286.36	286.39	286.42	286.45	286.48	286.50
81	288.43	288.46	288.49	288.52	288.55	288.58	288.61	288.64	288.67	288.69
82	290.62	290.65	290.68	290.71	290.74	290.77	290.80	290.83	290.86	290.88
83	292.81	292.84	292.87	292.90	292.93	292.96	292.99	293.02	293.05	293.07
84	295.00	295.03	295.06	295.09	295.12	295.15	295.18	295.21	295.24	295.26
85	297.19	297.22	297.25	297.28	297.31	297.34	297.37	297.40	297.43	297.45
86	299.38	299.41	299.44	299.47	299.50	299.53	299.56	299.59	299.62	299.64
87	301.57	301.60	301.63	301.66	301.69	301.72	301.75	301.78	301.81	301.83
88	303.76	303.79	303.82	303.85	303.88	303.91	303.94	303.97	304.00	304.02
89	305.95	305.98	306.01	306.04	306.07	306.10	306.13	306.16	306.19	306.21
90	308.14	308.17	308.20	308.23	308.26	308.29	308.32	308.35	308.38	308.40
91	310.33	310.36	310.39	310.42	310.45	310.48	310.51	310.54	310.57	310.59
92	312.52	312.55	312.58							

μs (SEC)	9.10	9.20	9.30	9.40	9.50	9.60	9.70	9.80	9.90	10.00
μs (CM)										
1	31.31	31.31	31.31	31.31	31.31	31.31	31.31	31.31	31.31	31.31
2	44.27	44.27	44.28	44.28	44.28	44.28	44.28	44.28	44.28	44.28
3	54.22	54.22	54.22	54.22	54.22	54.22	54.22	54.22	54.22	54.22
4	62.61	62.61	62.61	62.61	62.61	62.61	62.61	62.61	62.61	62.61
5	69.99	69.99	69.99	69.99	69.99	69.99	69.99	69.99	69.99	69.99
6	76.66	76.67	76.67	76.67	76.67	76.67	76.67	76.67	76.67	76.67
7	82.63	82.60	82.60	82.60	82.61	82.61	82.61	82.61	82.61	82.61
8	88.51	88.51	88.51	88.52	88.52	88.52	88.52	88.52	88.52	88.52
9	93.67	93.67	93.68	93.68	93.68	93.68	93.68	93.68	93.68	93.68
10	98.94	98.95	98.95	98.95	98.95	98.95	98.95	98.95	98.95	98.95
11	103.76	103.77	103.77	103.77	103.77	103.77	103.77	103.77	103.77	103.78
12	108.37	108.37	108.37	108.38	108.38	108.38	108.38	108.38	108.38	108.39
13	112.79	112.79	112.79	112.79	112.80	112.80	112.80	112.80	112.80	112.81
14	117.05	117.04	117.04	117.04	117.05	117.05	117.05	117.05	117.05	117.06
15	121.15	121.14	121.14	121.14	121.14	121.15	121.15	121.15	121.15	121.16
16	125.09	125.10	125.11	125.11	125.11	125.11	125.11	125.12	125.12	125.12
17	129.93	129.94	129.94	129.95	129.95	129.95	129.95	129.96	129.96	129.97
18	134.56	134.57	134.57	134.57	134.58	134.58	134.58	134.59	134.59	134.60
19	138.99	138.99	138.99	139.00	139.00	139.00	139.00	139.01	139.01	139.02
20	143.26	143.26	143.27	143.27	143.28	143.28	143.29	143.29	143.29	143.30
21	147.62	147.62	147.63	147.63	147.64	147.64	147.65	147.65	147.65	147.66
22	149.90	149.91	149.91	149.92	149.92	149.93	149.93	149.94	149.94	149.95
23	153.11	153.12	153.12	153.13	153.13	153.14	153.14	153.15	153.15	153.16
24	156.26	156.26	156.27	156.27	156.28	156.28	156.29	156.29	156.29	156.30
25	159.34	159.34	159.35	159.35	159.37	159.37	159.38	159.38	159.39	159.40
26	162.37	162.37	162.38	162.38	162.39	162.40	162.40	162.41	162.41	162.42
27	165.33	165.33	165.34	165.34	165.36	165.36	165.37	165.37	165.38	165.39
28	168.20	168.20	168.20	168.21	168.22	168.23	168.23	168.24	168.24	168.25
29	171.11	171.11	171.12	171.12	171.13	171.13	171.14	171.14	171.15	171.15
30	173.91	173.92	173.93	173.94	173.95	173.95	173.97	173.97	173.98	173.99
31	176.63	176.69	176.70	176.71	176.72	176.73	176.74	176.75	176.75	176.76
32	179.24	179.32	179.33	179.34	179.35	179.36	179.37	179.38	179.38	179.39
33	182.00	182.10	182.11	182.12	182.13	182.14	182.15	182.16	182.17	182.18
34	184.73	184.75	184.76	184.77	184.78	184.79	184.80	184.81	184.82	184.83
35	187.34	187.35	187.36	187.37	187.39	187.41	187.43	187.45	187.47	187.49
36	189.91	189.92	189.93	189.94	189.96	189.97	189.98	189.99	190.00	190.01
37	192.44	192.46	192.47	192.48	192.49	192.51	192.53	192.55	192.57	192.59
38	194.74	194.76	194.77	194.78	194.79	194.81	194.83	194.85	194.87	194.89
39	197.41	197.42	197.44	197.45	197.46	197.48	197.49	197.51	197.52	197.54
40	199.93	199.94	199.95	199.96	199.97	199.98	199.99	200.00	200.01	200.02
41	202.29	202.27	202.28	202.30	202.31	202.32	202.34	202.35	202.36	202.37
42	204.53	204.64	204.65	204.67	204.69	204.70	204.72	204.73	204.74	204.75
43	206.99	207.06	207.07	207.08	207.09	207.10	207.11	207.12	207.13	207.14
44	209.30	209.32	209.33	209.35	209.36	209.38	209.39	209.41	209.42	209.43
45	211.63	211.61	211.63	211.65	211.66	211.67	211.69	211.71	211.72	211.73
46	213.87	213.88	213.90	213.92	213.93	213.95	213.96	213.98	213.99	214.00
47	216.11	216.13	216.15	216.16	216.18	216.20	216.21	216.23	216.24	216.25
48	218.35	218.36	218.37	218.39	218.41	218.42	218.44	218.45	218.47	218.48
49	220.59	220.55	220.57	220.59	220.61	220.62	220.64	220.66	220.67	220.69
50	222.86	222.88	222.90	222.92	222.94	222.96	222.98	222.99	223.01	223.03
51	225.11	225.13	225.15	225.17	225.19	225.20	225.22	225.24	225.26	225.28
52	227.32	227.30	227.32	227.34	227.36	227.38	227.40	227.42	227.44	227.46
53	229.51	229.53	229.55	229.57	229.59	229.61	229.63	229.65	229.67	229.69
54	231.68	231.70	231.72	231.74	231.76	231.78	231.80	231.82	231.84	231.86
55	233.82	233.84	233.86	233.88	233.90	233.92	233.94	233.96	233.98	234.00
56	235.93	235.95	235.97	235.99	236.01	236.03	236.05	236.07	236.09	236.11
57	238.01	238.03	238.05	238.07	238.09	238.11	238.13	238.15	238.17	238.19
58	240.06	240.08	240.10	240.12	240.14	240.16	240.18	240.20	240.22	240.24
59	242.09	242.11	242.13	242.15	242.17	242.19	242.21	242.23	242.25	242.27
60	244.09	244.11	244.13	244.15	244.17	244.19	244.21	244.23	244.25	244.27
61	246.06	246.08	246.10	246.12	246.14	246.16	246.18	246.20	246.22	246.24
62	248.01	248.03	248.05	248.07	248.09	248.11	248.13	248.15	248.17	248.19
63	250.00	250.02	250.04	250.06	250.08	250.10	250.12	250.14	250.16	250.18
64	252.00	252.02	252.04	252.06	252.08	252.10	252.12	252.14	252.16	252.18
65	254.00	254.02	254.04	254.06	254.08	254.10	254.12	254.14	254.16	254.18
66	256.00	256.02	256.04	256.06	256.08	256.10	256.12	256.14	256.16	256.18
67	258.00	258.02	258.04	258.06	258.08	258.10	258.12	258.14	258.16	258.18
68	260.00	260.02	260.04	260.06	260.08	260.10	260.12	260.14	260.16	260.18
69	262.00	262.02	262.04	262.06	262.08	262.10	262.12	262.14	262.16	262.18
70	264.00	264.02	264.04	264.06	264.08	264.10	264.12	264.14	264.16	264.18
71	266.00	266.02	266.04	266.06	266.08	266.10	266.12	266.14	266.16	266.18
72	268.00	268.02	268.04	268.06	268.08	268.10	268.12	268.14	268.16	268.18
73	270.00	270.02	270.04	270.06	270.08	270.10	270.12	270.14	270.16	270.18
74	272.00	272.02	272.04	272.06	272.08	272.10	272.12	272.14	272.16	272.18
75	274.00	274.02	274.04	274.06	274.08	274.10	274.12	274.14	274.16	274.18
76	276.00	276.02	276.04	276.06	276.08	276.10	276.12	276.14	276.16	276.18
77	278.00	278.02	278.04	278.06	278.08	278.10	278.12	278.14	278.16	278.18
78	280.00	280.02	280.04	280.06	280.08	280.10	280.12	280.14	280.16	280.18
79	282.00	282.02	282.04	282.06	282.08	282.10	282.12	282.14	282.16	282.18
80	284.00	284.02	284.04	284.06	284.08	284.10	284.12	284.14	284.16	284.18
81	286.00	286.02	286.04	286.06	286.08	286.10	286.12	286.14	286.16	286.18
82	288.00	288.02	288.04	288.06	288.08	288.10	288.12	288.14	288.16	288.18
83	290.00	290.02	290.04	290.06	290.08	290.10	290.12	290.14	290.16	290.18
84	292.00	292.02	292.04	292.06	292.08	292.10	292.12	292.14	292.16	292.18
85	294.00	294.02	294.04	294.06	294.08	294.10	294.12	294.14	294.16	294.18
86	296.00	296.02	296.04	296.06	296.08	296.10	296.12	296.14	296.16	296.18
87	298.00	298.02	298.04	298.06	298.08	298.10	298.12	298.14	298.16	298.18
88	300.00	300.02	300.04	300.06	300.08	300.10	300.12	300.14	300.16	300.18
89	302.00	302.02	302.04	302.06	302.08	302.10	302.12	302.14	302.16	302.18
90	304.00	304.02	304.04	304.06	304.08	304.10	304.12	304.14	304.16	304.18
91	306.00	306.02	306.04	306.06	306.08	306.10	306.12	306.14	306.16	306.18
92	308.00	308.02	308.04	308.06	308.08	308.10	308.12	308.14	308.16	308.18
93	310.00	310.02	310.04	310.06	310.08	310.10	310.12	310.14	310.16	310.18
94	312.00	312.02	312.04	312.06	312.08	312.10	312.12	312.14	312.16	312.18
95	314.00	314.02	314.04	314.06	314.08	314.10	314.12	314.14	314.16	314.18
96	316.00	316.02	316.04	316.06	316.08	316.10	316.12	316.14	316.16	316.18
97	318.00	318.02	318.04	318.06	318.08	318.10	318.12	318.14	318.16	318.18
98	320.00	320.02	320.04	320.06	320.08	320.10	320.12	320.14	320.16	320.18
99	322.00	322.02	322.04	322.06	322.08	322.10	322.12	322.14	322.16	322.18
100	324.00	324.02	324.04	324.06	324.08	324.10	324.12	324.14	324.16	324.18

港湾技研資料 No.12

1964年6月

編集兼発行人 運輸省港湾技術研究所

発行所 運輸省港湾技術研究所
横須賀市川間 162

印刷所 中和印刷株式会社
東京都中央区入船町2の3