

# ภาคผนวก

๑  
ตารางที่ 1

THAI MEN MORTALITY TABLE  
Ultimate Life Table 1947

Age	Number Living ( $l_x$ )	Deaths Each Year (d.)	Death per 1,000 ( $1,000 q_x$ )	Expectancy Years ( $e_x$ )	Expectancy Years (Adjusted) ( $c_x$ )
0	<b>100,000</b>	8,170	81.700	48.981	49.48 I
1	91,830	2,175	23.685	52.339	52.839
2	89,655	1,361	15.180	52.608	53.108
3	88,294	1,346	15.245	52.419	52.919
4	86,948	752	8.649	52.231	52.731
<b>5</b>	86,196	721	8.365	51.687	52.187
6	85,475	621	7.265	51.123	51.623
7	<b>84,854</b>	<b>537</b>	<b>6.329</b>	50.497	50.997
8	84,317	468	5.550	49.818	50.318
9	83,849	413	4.926	49.096	49.596
10	83,436	372	4.459	48.339	48.836
II	83,064	344	4.141	47.556	48.056
12	82,720	327	3.953	46.754	47.254
13	82,393	323	3.920	45.939	46.439
14	82,070	238	3.997	45.120	45.620
15	81,742	343	4.196	44.301	44.801
16	81,399	362	4.447	43.488	43.988
17	81,037	386	4.763	42.682	43.182
18	<b>80,651</b>	411	5.096	41.886	42.386
19	80,240	438	5.459	41.101	41.601
20	79,802	467	5.852	40.326	40.826

Age	Number Living ( $l_x$ )	Deaths Each Year ( $d_x$ )	Death per 1,000 ( $1,000 q_x$ )	Expectancy Years ( $e_x$ )	Expectancy Years (Adjusted) ( $e^*_x$ )
21	79,335	498	6.277	39.564	40.064
22	78,837	529	6.710	38.814	39.314
23	78,308	556	7.100	38.076	38.576
24	77,752	582	7.485	37.348	37.848
25	77,170	608	7.879	36.630	37.130
26	76,562	634	8.281	35.921	36.421
27	75,928	652	8.587	35.221	35.721
28	75,276	660	8.768	34.526	35.026
29	74,616	662	8.872	33.831	34.331
30	73,954	660	8.924	33.134	33.634
31	73,294	661	9.018	32.432	32.932
32	72,633	670	9.224	31.727	32.227
33	72,633	690	9.528	31.023	31.523
34	71,274	720	10.102	30.323	30.823
35	70,553	752	10.659	29.633	30.133
36	69,801	783	11.218	28.952	29.452
37	69,018	809	11.712	28.180	28.780
38	68,209	829	12.154	27.616	28.116
39	67,380	845	12.541	26.955	27.455
40	66,535	861	12.941	26.298	26.798

Age	Number Living ( $l_x$ )	Deaths Each Year ( $d_x$ )	Death per 1,000 ( $1,000 q_x$ )	Expectancy Years ( $e_x$ )	Expectancy Years (Adjusted) ( $e'_x$ )
41	65,674	879	13.384	25.643	26.143
42	64,195	899	13.875	24.990	25.490
43	63,895	923	14.445	24.342	24.842
44	62,913	948	15.054	23.699	24.199
45	62,025	973	15.687	23.061	23.561
46	61,052	998	16.347	22.129	22.929
47	60,054	1,026	17.085	21.801	22.301
48	59,028	1,061	17.975	21.180	21.680
49	51,961	1,098	18.942	20.568	21.068
50	56,869	1,139	20.028	19.965	20.465
51	55,730	1,178	21.138	19.373	19.873
52	54,552	1,201	22.016	18.791	19.291
53	53,351	1,206	22.605	18.214	18.714
54	52,145	1,197	22.955	17.636	18.136
55	50,948	1,181	23.180	17.050	17.550
56	49,761	1,182	23.550	16.455	16.955
57	48,595	1,183	24.344	15.852	16.352
58	41,412	1,221	25.753	15.247	15.747
59	46,191	1,278	27.689	14.650	15.150
60	44,912	1,347	29.992	14.067	14.567

Age	Number Living ( $l_x$ )	Deaths Each Year ( $d_x$ )	Death per 1,000 ( $1,000 q_x$ )	Expectancy Tars ( $e_x$ )	Expectancy Years (Adjusted) ( $e_x^*$ )
<b>61</b>	43,565	<b>1,408</b>	32.320	13.502	14.002
62	42,157	1,451	34.549	12.953	13.453
63	40,706	1,467	36.039	12.415	12.915
64	39,239	1,466	37.361	11.879	12.379
65	31,713	1,455	38.520	11.340	11.840
66	36,318	1,453	40.008	10.794	11.294
<b>67</b>	34,865	1,476	42.335	10.244	10.744
68	33,389	1,533	45.913	9.691	10.197
69	31,856	1,613	50.634	9.164	9.664
70	30,243	1,698	56.145	8.653	8.206
71	28,545	1,768	61.937	8.167	7.768
72	26,717	1,619	67.931	7.706	9.153
73	24,958	1,841	73.764	7.268	8.667
74	<b>23,117</b>	1,839	<b>79.552</b>	6.847	7.347
<b>75</b>	21,278	<b>1,825</b>	85.769	6.439	6.939
76	19,453	1,805	92.188	6.043	6.543
77	17,648	1,777	100.691	5.661	6.161
<b>78</b>	15,871	1,739	109.571	5.295	5.495
<b>79</b>	14,132	1,692	119.728	4.946	5.446
80	12,440	1,641	131.913	<b>4.619</b>	5.119

Age	Number Living ( $l_x$ )	Deaths Each Year ( $d_x$ )	Death per 1,000 ( $1,000 p_x$ )	Expectancy Years ( $e_x$ )	Expectancy Years (Adjusted) ( $e^*_x$ )
81	10,799	1,576	145.939	4.321	4.82 I
82	9,223	1,479	160.360	4.059	4.559
83	7,744	1,342	173.295	3.834	4.334
84	6,402	1,178	184.005	3.638	4.138
85	5,224	1,001	191.616	3.458	3.958
86	4,223	832	197.016	3.278	3 . 7 7 8
87	<b>3,391</b>	685	202.005	3.083	3.583
88	2,706	573	<b>21</b> 1.752	2.863	3.363
89	2,133	487	228.317	2.632	4.132
90	1,646	409	248.48 <b>1</b>	2.411	2.811
91	1,237	331	267.583	2.208	2.708
92	906	263	290.287	2.014	2.514
93	643	204	3 17.263	1.838	2.338
94	439	152	346.241	1.692	2.192
95	287	<b>112</b>	390.244	1.589	2.089
96	175	52	297.143	1.606	2.106
97	123	40	325.203	1.285	1.785
9s	83	32	385.542	0.304	1.404
99	51	27	529.412	0.47 <b>1</b>	0.971
<b>100</b>	24	24	1000.009	0.000	0.500

## ตารางที่ 2

### 1941 C.S.O. MORTALITY TABLE

Commissioners Standard Ordinary

Age	Number Living	Deaths Each Year	Deaths per 1,000	Expectancy Years	Living to Age 65
1	1,000,000	5,170	5.77	62.76	57.19
2	994,230	4,116	4.14	62.12	58.12
3	990,114	3,347	3.38	61.37	58.37
4	986,161	2,950	2.99	60.58	58.56
5	983,817	2,715	2.76	59.76	58.74
6	981,102	2,516	2.61	58.92	58.90
7	978,541	2,417	2.41	58.08	59.05
8	976,124	2,255	2.31	57.22	59.20
9	973,869	2,065	2.12	56.35	59.34
10	911,804	1,914	1.97	55.74	59.46
11	969,890	1,852	1.91	54.58	59.58
12	968,038	1,859	1.92	53.68	59.70
13	966,119	1,913	1.98	52.78	59.81
14	964,266	1,996	2.07	51.89	59.93
15	962,210	2,069	2.15	50.99	60.05
16	690,201	2,103	2.19	50.10	60.18
17	958,098	2,156	2.25	49.21	60.32
18	955,942	2,199	2.30	48.32	60.45
19	953,743	2,260	2.37	47.43	60.59
20	951,483	2,312	2.43	46.54	60.73

<u>Age</u>	<u>Hunter Tropical</u>	<u>Oriental 0(25-35)</u>	<u>CSO 1941</u>	<u>AET</u>	<u>Thai men 1947</u>
50	22.96	18.64	12.32	13.78	20.02
51	24.30	20.42	13.27	14.54	21.13
52	25.75		14.33	15.38	22.01
53	27.33	22.34 24.44	15.43	16.33	22.60
54	29.08	26.67	16.65	17.39	22.95
55	30.98	29.03	17.98	18.57	23.18
56	33.09	31.54	19.43	19.88	23.54
57	37.68	34.20	21.00	21.33	24.34
58		36.97	22.71	22.93	25.75
59	40.59	39.85	24.57	24.72	27.68
60	43.57		26.59	26.69	29.99
61	46.05	42.85 45.99	28.7%	28.80	32.31
62	50.40	49.28	31.18	31.29	34.41
63	54.30	52.80	33.79	33.94	36.03
64	58.56	56.47	36.58	36.87	37.36
65	63.21	60.39	39.64	40.12	38.51
66	68.26	64.46	42.96	43.70	40.00
67		68.74	46.56	47.64	42.33
68	73.77		50.46	52.00	45.91
69	79.78	73.26 77.95	54.70	56.76	50.63
70	93.45	82.88	59.30	61.99	56.14
71	101.22	88.03	64.27	67.66	61.93
72		93.46	69.66	73.73	67.93
73	108.87	99.11	75.50	80.17	73.76
74	128.68	105.02	81.81	87.02	79.55
75	139.45	111.23	88.64	94.37	85.76
76	151.09	117.77	96.02	102.31	92.78
77	163.67	124.65	103.99	111.06	100.69
78	177.25	131.91	112.59	120.82	109.57
79	191.83	139.61	121.86	131.73	119.72
80	207.00		131.85	144.46	131.91
81	224.207	147.76 756.45	142.60	158.60	145.93
82	242.50	165.72	154.16	174.29	160.35
83	262.06	175.62	166.57	191.56	173.29
84	282.83	186.25	179.88	211.35	184.00
85	304.67	197.65	194.13	235.55	191.61
86	328.36	209.91	209.37	265.68	197.01
87		223.10	225.63	303.02	202.00
88	352.38	237.30	243.00	346.69	211.75
89	379.90	252.58	261.44	395.86	228.31
90	433.33	268.99	280.99	454.54	248.48
91	450.82	286.69	301.73	532.46	267.58
92	500.00	305.42	323.64	634.25	290.28
93	521.74	325.50	346.66	734.17	317.26
94	545.45	346.83	371.00	857.14	346.24
95	600.00	369.39	396.21	1,000.00	390.24
96	1,000.00	393.15	447.19		297.14
97		418.00	540.26		325.20
98		443.84	724.67		385.54
99		470.50	1,000.00		529.41
100		497.68			
101		666.67			
102		1,000.00			



Age	Number Living	Deaths Each Year	Deaths per 1,000	Expectancy Years	Living to Aee 65
41	877,883	5,785	6.59	28.43	65.83
42	872,098	6,131	7.03	27.62	66.26
43	865,967	6,503	7.51	26.81	66.73
44	859,464	6,910	8.04	26.01	67.24
45	852,554	1,340	8.61	25.21	67.78
46	845,214	7,801	9.23	24.43	68.37
47	837,413	8,299	9.91	23.65	69.01
48	829,114	8,822	10.64	22.88	69.10
49	820,292	9,392	11.45	22.12	70.45
50	810,900	9,990	12.32	21.37	71.26
51	800,910	10,628	13.27	20.64	72.15
52	790,282	11,301	14.30	19.91	73.12
53	778,981	12,020	15.43	19.19	74.18
54	766,961	12,770	16.65	18.48	75.35
55	754,191	13,560	17.98	17.78	76.62
56	740,631	14,390	19.43	17.10	78.03
57	726,241	15,251	21.00	16.43	79.57
58	710,990	16,147	22.71	15.77	81.28
59	694,843	17,072	24.57	15.13	83.17
60	671,771	18,022	26.59	14.50	85.26

Age	Number Living	Deaths Each Year	Deaths per 1,000	Expectancy Years	Living to Age 65
61	659,749	18,988	28.78	13.88	87.59
62	640,761	19,979	31.18	13.27	90.19
63	620,782	20,958	33.79	12.69	93.09
64	599,824	21,942	36.58	12.11	96.34
65	577,882	22,907	39.64	11.55	100.00
66	554,975	23,842	42.96	11.01	
67	531,133	24,730	46.56	10.48	
68	506,403	25,553	50.46	9.97	
69	480,850	26,302	54.70	9.47	
70	454,548	26,955	59.30	8.99	
71	427,493	27,481	64.27	8.52	
72	400,112	27,872	69.66	8.08	
73	372,240	28,104	75.50	7.64	
74	344,136	28,154	81.81	7.23	
75	315,982	28,009	88.64	6.82	
76	287,973	27,651	96.02	6.44	
77	260,322	72,071	103.99	6.07	
78	233,251	26,262	112.56	3.72	
79	206,989	25,224	121.86	5.3s	
80	181,765	23,966	131.85	5.06	

Age	Number Living	Deaths Each Year	Deaths per 1,000	Expectancy Years	Living to Age 65
81	151,199	22,502	142.60	<b>4.75</b>	
82	135,297	20,857	154.16	4.46	
83	114,440	19,062	166.57	4.18	
84	95,378	17,157	176.88	3.9 1	
85	78,221	15,185	194.13	3.66	
86	63,036	13,198	209.37	3.42	
87	49,838	11,245	225.63	3.19	
88	38,593	9,378	243.00	2.98	
89	29,215	7,638	261.44	2.77	
90	21,577	6,063	280.99	2.58	
91	15,514	<b>4,681</b>	301.73	2.39	
92	10,833	3,506	323.64	2.21	
93	7,327	2,540	346.66	2.03	
94	4,787	1,776	371.00	1.84	
95	3,011	<b>1,193</b>	396.2 1	1.63	
96	1,818	813	447.19	1.37	
97	1,005	551	548.26	1.08	
98	454	329	724.67	0.78	
99	<b>125</b>	125	<b>1,000.00</b>	0.50	

**ตารางที่ 3**

**1937 Standard Annuity Mortality Table**

Age of Living		Number Living At Each Age	Number Dying Before Attaining Next Age	Number Dying Each Year Out of 1,000 Living at Each Age
Male	Female			
	10	<b>1,000,000</b>	1,234	1,234
<b>10</b>	<b>15</b>	993,778	1,249	1,257
15	20	<i>987,541</i>	1,246	1,262
20	25	981,239	1,306	1,331
21	26	979,933	1,333	1,360
22	27	978,600	1,368	1,398
23	28	917,232	1,409	1,442
24	29	915,823	1,460	1,496
25	30	914,363	1,521	1,561
26	31	912,842	1,590	1,634
27	32	<b>911,252</b>	1,612	1,721
28	33	969,580	1,767	1,822
29	34	967,813	1,814	1,936
30	35	965,939	1,995	2,065
<b>31</b>	36	963,944	2,123	2,212
32	<b>37</b>	961,812	2,286	2,371
33	38	959,526	2,458	2,562
34	39	<b>951,068</b>	2,644	2,763
35	40	<b>954,424</b>	2,845	2,981

Age of Living		Number Living At Each Age	Number Dying Before Attaining Next' Age	Number Dying Each Year Out of 1,000 Living at Each Age
Male	Female			
36	41	951,579	3,060	3,216
<b>37</b>	42	<b>948,519</b>	3,291	3,470
38	43	945,228	3,537	3,742
39	44	941,691	3,802	4,031
<b>40</b>	45	937,889	4,085	4,356
41	46	933,804	4,388	4,499
42	47	929,416	4,710	5,068
43	<b>48</b>	924,706	5,056	5,468
44	49	919,650	5,424	5,898
45	<b>50</b>	914,266	5,816	6,362
46	51	<b>908,410</b>	6,234	6,863
<b>47</b>	52	902,176	6,679	7,403
<b>48</b>	53	895,497	7,149	7,983
49	54	888,348	7,651	8,613
50	55	880,697	8,180	9,288
51	56	872,517	8,741	<b>10,018</b>
52	57	<b>863,776</b>	9,333	10,805
53	<b>58</b>	<b>854,443</b>	9,957	11,653
54	59	844,486	10,612	12,566
<b>55</b>	60	833,874	11,302	13,554

Age of Living		Number Living At Each Age	Number Dying Before Attaining Next Age	Number Dying Each Year Out of 1,000 Living at Each Age
Male	Female			
<b>56</b>	<b>61</b>	<b>822, 572</b>	<b>12,021</b>	<b>14, 614</b>
<b>57</b>	<b>62</b>	<b>810, 551</b>	<b>12, 774</b>	15,760
<b>58</b>	<b>63</b>	<b>157, 771</b>	<b>13, 556</b>	16,992
<b>59</b>	<b>64</b>	<b>784, 221</b>	<b>14, 368</b>	18,321
<b>60</b>	<b>65</b>	<b>769, 853</b>	15,207	19,753
<b>61</b>	<b>66</b>	<b>754, 646</b>	16,072	<b>21, 297</b>
<b>62</b>	<b>67</b>	<b>138, 514</b>	<b>16, 959</b>	<b>22, 958</b>
<b>63</b>	<b>68</b>	<b>721, 618</b>	<b>17, 859</b>	<b>24, 749</b>
<b>64</b>	<b>69</b>	<b>703, 759</b>	<b>18, 773</b>	<b>26, 675</b>
<b>65</b>	<b>70</b>	<b>684, 986</b>	19,694	<b>28, 751</b>
<b>66</b>	<b>71</b>	<b>665, 292</b>	<b>20, 615</b>	<b>30, 986</b>
<b>67</b>	<b>72</b>	<b>644, 611</b>	<b>21, 526</b>	<b>33, 390</b>
<b>68</b>	<b>73</b>	<b>623, 151</b>	<b>22, 420</b>	<b>35, 978</b>
<b>69</b>	<b>74</b>	<b>600, 731</b>	<b>23, 286</b>	<b>38, 763</b>
<b>70</b>	<b>75</b>	<b>577, 445</b>	<b>24, 113</b>	<b>41, 758</b>
<b>71</b>	<b>76</b>	<b>553, 332</b>	<b>24, 889</b>	<b>44, 980</b>
<b>72</b>	<b>77</b>	<b>528, 443</b>	<b>25, 600</b>	<b>48, 444</b>
<b>73</b>	<b>78</b>	<b>502, 843</b>	<b>26, 232</b>	<b>52, 167</b>
<b>74</b>	<b>79</b>	<b>476, 611</b>	<b>26, 770</b>	<b>56, 167</b>
<b>75</b>	<b>80</b>	<b>449, 841</b>	<b>27, 199</b>	<b>60, 464</b>

Age of Living		Number Living At Each Age	Number Dying Before Attaining Next Age	Number Dying Each Year Out of 1,000 Living at Each Age
Male	Female			
<b>16</b>	81	422,642	27,506	56,081
<b>77</b>	82	395,136	27,672	70,320
78	83	361,464	<b>27,688</b>	75,349
<b>79</b>	84	339,116	27,539	81,050
<b>80</b>	85	312,237	27,215	<b>87,161</b>
81	86	285,022	26,709	93,109
a2	87	258,313	26,018	100,723
83	88	232,295	<b>25,141</b>	108,229
84	89	207,154	24,083	116,257
85	90	183,071	22,854	124,837
86	91	160,217	21,469	134,900
87	92	138,748	19,950	143,786
88	93	118,798	18,320	<b>154,211</b>
89	94	100,478	16,611	165,320
90	95	83,867	14,856	177,138
91	96	<b>69,011</b>	<b>13,092</b>	189,709
92	97	55,919	11,355	203,062
93	98	44,564	9,680	217,216
94	99	34,884	8,100	232,198
95	100	26,784	6.444	248,059

Age of Living		Number Living At Each Age	Number Dying Before Attaining Next Age	Number Dying Each Year Out of 1,000 Living at Each Age
Male	Female			
96	<b>101</b>	21,140	5,333	264,196
97	102	24,807	4,198	283,515
98	103	10,609	3,244	305,778
99	104	7,365	2,444	331,840
100	105	<b>4,921</b>	1,782	362,122
<b>101</b>	106	3,139	1,248	397,519
102	107	1,891	<b>830</b>	438,921
103	108	<b>1,061</b>	517	487,276
104	109	544	295	542,279
105	110	249	152	610,442
106	111	97	37	690,722
107	112	30	24	<b>800,000</b>
108	113	1	5	833,333
109	114	9	1	1,000,000



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ตารางที่ 4

MORTALITY RATES  
( Deat per thousand)

<u>Age</u>	<u>Hunter Tropicalai</u>	<u>Oriental 0(25-35</u>	<u>cs0 1941</u>	<u>AET</u>	<u>Thai men 1947</u>
0					81.70
1			5.77		23.68
2			4.14		15.18
3			3.38		15.24
4			2.99		8.64
5			2.76		8.36
6			2.61		7.26
7			2.47		6.32
8			2.31		5.55
9			2.12		4.92
10			1.97	7.49	4.45
11			1.91	7.51	4.14
12			1.92	7.54	3.95
13			1.98	7.56	3.92
14			2.07	7.59	3.99
15			2.15	7.63	4.19
16	9.69		2.19	7.66	4.44
17	9.75		2.25	7.68	4.76
18	9.82		2.30	7.72	5.09
19	9.89		2.37	7.76	5.45
20	9.97	4.20	2.43	7.80	5.85
21	10.05	4.20	2.51	7.85	6.27
22	10.15	4.20	2.59	7.90	6.71
23	10.24	4.21	2.68	7.95	7.10
24	10.36	4.24	2.77	8.01	7.48
25	10.48	4.28	2.88	8.06	7.87
26	10.62	4.31	2.99	8.13	8.28
27	10.76	4.40	3.11	8.19	8.58
28	10.92	4.47	3.25	8.26	8.76
29	11.10	4.55	3.40	8.34	8.87
30	11.31	4.65	3.56	8.42	8.92
31	11.51	4.77	3.73	8.51	9.01
32	11.75	4.90	3.92	8.60	9.22
33	12.00	5.07	4.12	8.71	9.58
34	12.28	5.28	4.35	8.83	10.10
35	12.59	5.52	4.59	8.94	10.65
36	12.93	5.82	4.86	9.08	11.21
37	13.30	6.20	5.15	9.23	11.72
38	13.71	6.63	5.46	9.40	12.15
39	14.13	7.12	5.81	9.58	12.54
40	14.64	7.68	6.18	9.79	12.94
41	15.17	8.31	6.59	10.00	13.38
42	15.74	9.04	7.03	10.25	13.87
43	16.40	9.84	7.51	10.51	14.44
44	17.09	10.73	8.04	10.82	15.05
45	17.86	11.76	8.61	11.16	15.6%
46	18.71	12.87	9.23	11.56	16.34
47	19.63	14.13	9.91	12.00	17.08
48	20.64	15.49	10.64	12.50	17.97
49	21.75	17.00	11.45	13.10	18.94

Age	Number Living,	Deaths Each Year	Deaths per 1,000	Expectancy Years	Living to Age 65
21	949,171	2,382	2.51	45.66	60.88
22	<b>946,789</b>	2,452	2.59	44.71	61.04
23	944,337	2,531	2.68	43.88	<b>61.19</b>
24	941,806	2,609	2.17	43.00	61.36
25	939,197	2,705	<b>2.88</b>	42.12	61.53
26	936,492	2,800	2.99	41.24	61.71
27	933,692	2,904	3.11	40.36	61.89
28	930,788	3,025	3.25	39.49	62.09
<b>29</b>	927,763	3,154	3.40	38.61	62.29
30	924,609	3,292	3.56	37.74	62.50
31	921,317	3,431	3.13	36.88	62.72
32	917,880	3,598	3.92	36.01	62.96
33	914,282	3,167	4.12	35.15	63.21
34	910,515	3,961	4.35	34.29	63.47
35	906,554	4,161	4.59	33.44	<b>63.74</b>
36	902,393	4,386	4.86	32.59	64.04
37	898,007	4,625	5.15	31.75	64.35
38	893,382	4,818	5.46	30.91	64.68
39	888,504	5,162	5.81	30.08	65.04
40	883,342	5,459	6.18	29.25	65.42

**ตารางที่ 5**

**Selected Compound Interest and Discount Functions**

2 PERCENT

	Amount of 1 How \$ 1 Left at Compound Interest Will Grow	Amount of 1 Per Annum How \$ 1 Deposited Periodically Will Grow	Present Value of 1 What \$ 1 Due in The future Is Worth Today	Present Value of 1 Per Annum What \$ 1 Payable Periodically Is Worth Today
1	1.020000	1.000000	.980392	.980392
2	1.040400	2.020000	.961169	1.941561
3	1.06 1208	3.060400	.942322	2.883883
4	1.082432	4.121608	.923845	3.807729
5	1.104081	5.204040	.905731	4.7 13460
6	1.126162	6.308121	.887971	5.603431
7	1.148686	7.434283	.870560	6.471991
8	1.171659	8.582969	.853490	7.325481
9	1.195093	9.754628	.836755	8.162237
10	1.21 8994	10.949721	.820348	8.952585
11	1.243374	12.168715	.804263	9.786848
12	1.268242	13.412090	.788493	10.575341
13	1.293607	14.680332	.773033	11.348374
14	1.319479	15.973938	.757875	12.106249
15	i.345868	17.293417	.743015	12.849264
16	1.372786	18.639285	.728446	13.577709
17	1.40024 1	20.012071	.714163	14.291872
18	1.428246	21.412312	.700159	14.99203 1
19	1.3568 11	22.840559	.686431	15.678462
20	I.455917	24.297370	.672971	16.351433

**2 PERCENT**

	Amount of 1 How \$ 1 Left at Compound Interes Will. Grow	Amount ot I Per Annum How \$ 1 Deposited Periodically Will Grow	Present. Value of 1 What \$ 1 Due in The future Is Worth Today	Present Value of 1 Per Annum What \$ 1 Payable Periodically Is Worth Today
21	1.515666	25.783317	.659776	17.011209
22	1.545980	27.298984	.646839	17.658048
23	1.576899	28.844963	.634156	18.292204
24	1.608437	30.421862	.621721	18.913926
25	1.640606	32.030300	.609531	19.523456
26	1.67341 8	33.670906	.597579	20.121036
27	<b>1.706886</b>	35.344324	.585862	20.706898
<b>28</b>	1.741024	37.051210	.574375	21.281272
29	1.715845	38.792235	.563112	21.844385
30	1.811362	40.568079	.552071	22.396456
31	<i>1.847589</i>	42.379441	.541246	22.937702
32	1.884541	44.227030	.530633	23.468335
33	1.922231	46.11 1570	.520229	23.988564
34	1.960676	48.033802	.510028	24.498592
35	1.999890	49.994478	.500028	24.998619
36	2.039887	51.994367	.490223	25.488842
37	2.080685	54.034255	.480611	25.969453
38	2.122299	56.114940	.471187	26.440641
39	2.164745	58.237238	.461948	26.902589
40	2.208040	60.401983	.452890	27.355479

**2 PERCENT**

	Amount of 1 ow \$ 1 Left at Compound Interest Will Grow	Amount of 1 Per Annum ow \$ 1 Deposited Periodically Will Gorw	Present Value of 1 What \$ 1 Due in The future Is Worth Today	Present Value of 1 Per Annum What \$ 1 Payable Periodically Is Worth Today
41	2. 252200	62. 610023	.444010	21. 199489
42	2. 291244	64. 862223	.435304	28. 234194
43	2. 343189	67. 159468	.426769	28. 661562
44	2. 390053	69. 502651	.418401	29. 019963
45	2. 437854	71. 892710	.410197	29. 490160
46	2. 486611	14. 330564	.402154	29. 892314
41	2. 536344	16. 811416	.394268	30. 286582
48	2. 587070	79. 353519	.386538	30. 673120
49	2. 638812	81. 940590	.378958	31. 052078
50	2. 691588	84. 579401	.371528	31. 423606
51	2. 745420	81. 210989	.364243	31. 181849
52	2. 800328	90. 016409.	.357101	32. 144950
53	2. 856335	92.816737.	.350099	32. 495049
54	2. 913461	95. 613072	.343234	32. 838283
5s	2. 971731	98. 586534	.336504	33. 114188
56	3. 031165	101. 558264	.329906	33. 504694
57	3. 091789	104. 599430	.323437	33. 828131
58	3. 153624	107. 681218	.317095	34. 145226
59	3. 216697	110. 834843	.310878	34. 456104
66	5. 281031	114.051539	.304782	34. 760887

	2 PERCI		T	
	Amount of 1 How \$ 1 Left at Compound Interest Will Grow	Amount of 1 Per Annum. How \$1 Deposited Periodically Will Grow	Present Value of 1 What \$ 1 Due in The future Is Worth Today	Present Value of 1 Per Annum What \$1 Payable Periodically Is Worth Today
61	3.34665 1	117.332570	.298806	35.059693
62	3.413584	120.679222	.292947	35.352640
63	3.48 1856	124.092806	.287203	35.639843
64	3.551493	127.574662	.281572	35.921415
65	3.622523	131.126155	.276051	36.197466
66	3.694974	134.748679	.270638	36.468103
67	3.768873	138.443652	.265331	36.733435
68	3.844251	142.212525	.260129	36.993564
69	3.921136	146.056776	.255028	37.248592
70	3.999558	149.977911	.250028	37.498619
71	4.079549	153.977469	.245125	37.743744
72	4.161140	158.057019	.240319	37.984063
73	4.244363	162.218159	.235607	38.219670
74	4.329250	166.462522	.230987	38.450657
75	4.415835	170.791773	.226458	38.677114
76	4.404152	175.207608	.222017	38.899132
77	4.594235	179.711760	.217664	39.116796
78	4.686120	184.305996	.213396	39.330192
79	4.779842	188.992115	.209212	39.539404
80	4.875439	193.771958	.205110	39.744514

2 PERCENT

	Amount of 1 How \$ 1 Left at Compound Interes Will Grow	Amount of 1 Per Annum How \$ 1 Deposite Prriodically Will Crow	Present Value of 1 What \$ 1 Due in The future Is Worth Today	Present Value of 1 Per Annum What \$ 1 Payable Periodically Is Worth Today
81	4.972948	198.647397	.201088	39.945602
82	5.072407	203.620345	.197145	40.142717
83	5.173855	208.692152	.193279	40.336026
84	5.277332	213.866607	.189490	40.525516
85	5.382879	219.143939	.185774	40.711290
86	5.490536	224.526818	.182132	40.893422
87	5.600347	230.017354	.178560	41.071982
88	5.712354	235.617701	.175059	41.247041
89	5.826601	241.330055	.171627	41.418668
90	5.943133	247.156656	.168261	41.586929
91	9.061996	253.099789	.164962	41.751891
92	6.183236	259.161785	.161728	41.913619
93	6.306900	265.345021	.158556	42.072175
94	6.433038	271.651921	.155448	42.227623
95	6.561699	278.084960	.152400	42.380023
96	6.692933	284.646659	.149411	42.529434
97	6.826792	291.339592	.146482	42.675916
98	6.963328	298.166384	.143609	42.819525
99	7.102594	305.129712	.140794	42.9603 19
100	1.244646	312.232306	.138033	43.098352

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**ตารางที่ 6**

**Selected Compound Interest and Discount Functions**

2.5 PERCENT

	Amount of 1 How \$ 1 Left at Compound Interest Will Grow	Amount of 1 Per Annum How \$ 1 Deposited Periodically Will Grow	Present Value of 1 What \$ 1 Due in The future Is Worth Today	Present Value of 1 Per Annum What \$ 1 Payable Periodically Is worth Today
1	1.025000	1 .000000	.975610	.975610
2	<b>1. 050625</b>	<b>2. 025000</b>	.951814	<b>1. 927424</b>
3	<b>1. 076891</b>	<b>3. 075625</b>	.928599	<b>2. 856024</b>
4	<b>1. 103813</b>	<b>4. 152516</b>	.905951	<b>3. 761974</b>
5	<b>1. 131408</b>	<b>5. 256329</b>	.883854	<b>4. 645828</b>
6	<b>1. 159693</b>	<b>6. 387137</b>	.862297	<b>5. 508125</b>
7	<b>1. 188686</b>	<b>7. 547430</b>	.841265	<b>6. 349391</b>
<b>8</b>	<b>1. 218403</b>	<b>8. 736116</b>	.820747	<b>7. 170137</b>
9	<b>1. 248863</b>	9.954519	.800728	<b>7. 970866</b>
10	<b>1. 280085</b>	<b>11. 203382</b>	.781198	<b>8. 752064</b>
11	<b>1. 312087</b>	<b>12. 483466</b>	.762145	9.5 14209
12	<b>1. 344889</b>	<b>13. 795553</b>	.743556	<b>10. 257765</b>
13	<b>1. 378511</b>	<b>15. 140442</b>	.725420	<b>10. 983185</b>
14	1.412974	<b>16. 518953</b>	.707727	11.690912
15	1.448298	<b>17. 931927</b>	.690466	12.381378
16	1.484506	<b>19. 380225</b>	.673625	<b>13. 055003</b>
17	1.521618	<b>20. 864730</b>	.657195	<b>13. 712198</b>
18	1.559659	<b>22. 386349</b>	.641166	<b>14. 353364</b>
19	1.598650	<b>23. 946007</b>	.625528	<b>14. 978891</b>
20	1.638616	<b>25. 544658</b>	.610271	<b>15. 589162</b>



2.5 PEKC NT

	Amount of 1 How \$ 1 Left at Compound Interest Will Grow	Amount of 1 Per Annum How \$ 1 Deposited Periodically Will Grow	Present Value of 1 What \$ 1 Due in The future Is Worth Today	Present Value of 1 Per Annum What \$ 1 Payable Periodically Is Worth Today
21	1.679582	27.183274	.595386	16.184549
22	1.721571	28.862856	.580865	<b>16.765413</b>
23	1.76461 1	30.584427	.566697	17.332110
24	1.808726	32.349038	.552875	17.884986
25	1.853944	34.157764	.539391	18.424316
26	1.900293	36.011708	.526235	18.950611
27	1.947800	37.912001	.513400	19.464011
28	1.996495	39.859801	.500878	<b>19.964889</b>
29	2.046407	41.856296	.488661	20.453550
30	2.097568	43.902703	.476743	20.930293
31	2.150007	46.00027 1	.465115	21.395407
32	2.203157	48.150278	.453771	21.849178
33	2.258851	50.354034	.442703	22.291881
34	2.315322	52.612855	.431905	22.723786
35	2.373205	54.928207	.421371	23.145157
36	2.432535	57.301413	.411094	23.556251
37	2.493349	59.733948	.401067	23.957318
38	2.555682	62.227297	.391285	24.348603
39	2.619574	64.782979	.381741	24.730344
40	2.685064	67.402554	.372431	25.102775

2.5 PERCENT

	Amount of 1 How \$ 1 Left at Compound Interest Will Grow	Amount of 1 Per Annum How \$ 1 Deposited Periodically Will Grow	Present Value of 1 What \$ 1 Due in The future Is Worth Today	Present Value of 1 Per Annum What \$ 1 Payable Periodically Is Worth Today
41	2.752190	70.087617	.363347	25.466122
42	2.820995	72.839808	.354485	25.820607
43	2.891520	35.660803	.345839	26.166446
44	2.963808	78.552323	.337404	26.503849
45	3.037903	<b>81.516131</b>	.329174	26.533024
46	3.113851	84.554034	.321146	27.154170
47	3.191697	87.667885	.313313	27.461483
48	3.271490	90.859582	.305671	27.773154
49	3.353277	94.131072	.298216	28.071369
so	3.437109	97.484349	.290942	28.362312
51	3.523036	100.921458	.283846	28.646158
52	3.611112	104.444494	.276923	28.923081
53	5.701490	108.055656	.270169	29.193249
54	3.793925	111.756996	.263579	29.456829
55	3.888773	<b>115.550921</b>	.257151	29.713979
56	<b>3.985772</b>	119.439694	.250879	29.964858
57	4.085642	123.425687	.244760	30.209617
58	4.187783	127.511329	.238790	30.448407
59	4.292478	131.699112	.232966	30.681373
60	4.399790	135.991590	.227284	30.908656

<b>2.5 PERCENT</b>				
	<b>Amount of 1' How \$ 1 Left at ompond Interest Will Grow</b>	<b>Amount of 1 Per Annum Iow \$ 1 Deposited Periodically Will Grow</b>	<b>Present Value of 1 What 8 1 Due in The future Is Worth Today</b>	<b>Present Value of 1 Per Annum What \$ 1 Payable Periodically Is Worth Today</b>
61	<b>4. 509184</b>	140.391380	<b>.221740</b>	31.130397
<b>62</b>	<b>4. 622529</b>	144.901164	<b>.216332</b>	31.346728
<b>63</b>	<b>4. 738092</b>	<b>149. 523693</b>	<b>.211055</b>	31.557784
<b>64</b>	<b>4. 856545</b>	<b>154. 261786</b>	<b>.205908</b>	<b>31. 763691</b>
<b>65</b>	<b>4. 911958</b>	<b>159. 118330</b>	<b>.200886</b>	<b>31. 964577</b>
<b>66</b>	<b>5. 102407</b>	<b>164. 096289</b>	<b>.1 95986</b>	<b>32. 160563</b>
<b>61</b>	<i>5.229961</i>	<b>169. 198696</b>	<b>.191206</b>	<b>32. 351769</b>
<b>68</b>	<b>5. 360717</b>	<b>174. 428663</b>	<b>.186542</b>	<b>32. 538311</b>
<b>69</b>	<b>5. 494134</b>	<b>179. 789380</b>	<b>.181992</b>	<b>32. 720303</b>
<b>70</b>	<b>5. 632103</b>	<b>185. 284114</b>	<b>.177554</b>	<b>32. 897857</b>
<b>71</b>	<b>5. 772905</b>	190.916217	<b>.173223</b>	<b>33. 071080</b>
<b>72</b>	<b>5. 911228</b>	196.689122	<b>.168998</b>	<b>33. 240078</b>
<b>73</b>	<b>6. 065159</b>	<b>202. 606351</b>	<b>.164876</b>	<b>33. 404954</b>
<b>74</b>	<b>6. 216188</b>	<b>208. 671509</b>	<b>.160855</b>	<b>33. 565809</b>
<b>75</b>	<b>6. 372207</b>	<b>214. 888297</b>	<b>.156931</b>	<b>33. 722740</b>
<b>76</b>	<b>6. 531513</b>	<b>221. 260504</b>	<b>.153104</b>	<b>33. 815844</b>
<b>77</b>	<b>6. 694800</b>	<b>221. 192011</b>	<b>.149370</b>	<b>34. 025214</b>
<b>78</b>	<b>6. 862110</b>	<b>234. 486818</b>	<b>.145726</b>	<b>34. 170940</b>
<b>79</b>	<b>7. 033725</b>	241.348988	<b>.142172</b>	34.313113
<b>80</b>	<b>1. 209568</b>	248.382713	<b>.138705</b>	34.451817

**2.5 PERCENT**

	<b>Amount of 1 How \$ 1 Left at (Compound Interest Will Grow</b>	<b>Amount of 1 Per Annum How \$ 1 Deposited Periodically Will Grow</b>	<b>Present Value of 1 What \$ 1 Due in The future Is Worth Today</b>	<b>Present Value of 1 Per Annum What \$ 1 Payable Periodically Is Worth Today</b>
81	<b>7. 389801</b>	<b>255. 592280</b>	<b>.135322</b>	<b>34. 587139</b>
82	7.574552	<b>262. 982087</b>	<b>.132021</b>	<b>34. 719160</b>
83	7.763916	270.556640	<b>.128801</b>	<b>34. 847961</b>
84	1.958014	<b>278.320556</b>	<b>.125659</b>	<b>34. 973620</b>
85	8.156964	286.278570	<b>.122595</b>	<b>35. 096215</b>
86	8.360888	<b>294. 435534</b>	<b>.119605</b>	<b>35.215819</b>
87	8.569911	<b>302. 796422</b>	<b>.1 16687</b>	<b>35.332501</b>
88	8.784158	3 11.366333	<b>.1 13841</b>	<b>35.446348</b>
89	9.003162	320.150491	<b>.111065</b>	<b>35.551413</b>
90	9.228856	329.154253	<b>.108356</b>	<b>35.665768</b>
91	9.459578	338.383110	<b>.105713</b>	<b>35.771481</b>
92	9.696061	341.842687	<b>.103135</b>	<b>35.874616</b>
93	9.938469	357.538755	<b>.100619</b>	<b>35.975235</b>
94	10.186931	<b>361. 411223</b>	<b>.098165</b>	<b>36.073400</b>
95	10.441604	377.664154	<b>.095771</b>	<b>36.169171</b>
96	10.702644	388.105758	<b>.093435</b>	<b>36.262606</b>
97	10.970210	398.808402	<b>.091156</b>	<b>36.353762</b>
98	11.244465	409.778612	<b>.088933</b>	<b>36.442694</b>
99	11.525577	421.023077	<b>.086764</b>	<b>36.529458</b>
100	11.813716	432.548654	<b>.084647</b>	<b>36.614105</b>

## ตารางที่ 7

### Selected Compound Interest and Discount Functions

3 PEKCEKT

	Amount of 1 How \$ 1 Left at Compound Interest Will Grow	Amount of 1 Per Annum How \$ 1 Deposited Periodically Will Grow	Present Value of 1 What \$ 1 Due in The future Is Worth Today	Present Value of 1 Per Annum What \$ 1 Payable Periodically Is Worth Today
1	1.030000	1.000000	.970874	.970874
2	1.060900	2.030000	.942596	1.913470
3	1.092727	3.090900	.915142	2.828611
4	1.125509	4.183627	.888487	3.717098
5	1.159274	5.309136	.862609	4.579707
6	1.194052	6.468410	.837484	5.417191
7	1.229814	7.662462	.813092	6.230283
8	1.266770	8.892336	.789409	7.019692
9	1.304773	10.159106	.766417	7.786109
10	1.343916	11.463879	.744094	8.530203
11	1.384234	12.807796	.722421	9.252624
12	1.425761	14.192030	.701380	9.954004
13	1.468534	15.611190	.680951	10.634955
14	1.512590	17.086324	.661118	11.296073
15	1.557961	18.598914	.641862	11.937935
16	1.604706	20.156881	.623167	12.561102
17	1.652848	21.761588	.605016	13.166118
18	1.702433	23.414435	.587395	13.753513
19	1.753506	25.116868	.570286	14.323799
20	1.806111	26.810374	.553676	14.877475

<b>3 PERCENT</b>				
	<b>Amount of 1 How \$ 1 Left at Compound Interest Will Grow</b>	<b>Amount of 1 Per Annum How \$ 1 Deposited Periodically Will Grow</b>	<b>Present Value of 1 What \$ 1 Due in The future Is Worth Today</b>	<b>Present Value of 1 Per Annum What \$ 1 Payable Periodically Is Worth Today</b>
21	1.860295	28.676486	<b>.537549</b>	15.4 15024
22	1.916103	30.536780	<b>.521893</b>	15.936917
23	1.923587	32.452884	<b>.506692</b>	16.443608
24	2.032794	34.426470	<b>.491934</b>	16.935542
25	2.093778	36.459264	<b>.477606</b>	17.413148
26	2.156591	38.553042	<b>.463695</b>	17.876842
27	2.221289	40.709634	<b>.450189</b>	18.327031
29	2.287928	42.920923	<b>.437077</b>	18.764108
38	2.356565	45.218850	<b>.424346</b>	19.188455
30	2.427262	47.575416	<b>.411987</b>	19.600441
31	2.500080	50.002678	<b>.399987</b>	20.000428
32	2.575083	52.502759	<b>.388337</b>	20.388766
33	2.652335	55.077841	<b>.377026</b>	20.765792
34	2.731905	57.730177	<b>.366045</b>	21.131837
35	2.813862	60.462082	<b>.355383</b>	21.487220
36	2.898278	63.275944	<b>.345032</b>	21.832252
37	2.985227	66.174223	<b>.334983</b>	22.167235
38	3.074783	69.159449	<b>.325226</b>	22.492462
39	3.167027	72.234233	<b>.315754</b>	22.808215
40	3.262038	75.401260	<b>.306557</b>	23.114772

**3 PERCENT**

	<b>Amount of 1 How \$ 1 Left at Compound Interest Will Grow</b>	<b>Amount of 1 Per Annum How \$ 1 Deposited Periodically Will Grow</b>	<b>Present Value of 1 What \$ 1 Due in The future Is Worth Today</b>	<b>Present Value of 1 Per Annum What \$ 1 Payable Periodically Is Worth Today</b>
41	3.359899	78.663298	<b>.297628</b>	23.412400
42	3.460696	82.023196	<b>.288959</b>	23.701359
43	3.564517	85.483892	<b>.280543</b>	23.98 1902
44	3.671452	89.048409	<b>.272372</b>	24.254274
45	3.18 1596	92.719861	<b>.264439</b>	24.518713
46	3.895044	96.501457	<b>.256737</b>	24.775449
47	4.011895	100.396501	<b>.249259</b>	25.024708
48	4.132252	104.408396	<b>.241999</b>	25.266101
49	4.256219	108.540648	<b>.234950</b>	25.501657
50	4.383906	112.796867	<b>.228107</b>	25.729764
51	4.5 15423	117.180773	<b>.221463</b>	25.941227
52	4.650886	121.696197	<b>.215013</b>	26.166240
53	4.190412	126.347082	<b>.028750</b>	26.374990
54	4.934125	131.137495	<b>.202670</b>	26.571660
55	5.082149	136.071620	<b>.196767</b>	26.774428
56	5.234613	141.153768	<b>.191036</b>	26.965464
<b>57</b>	5.391651	146.388381	<b>.185472</b>	21.150936
58	5.553401	151.780033	<b>.180070</b>	27.331005
59	5.720003	157.333434	<b>.174825</b>	27.505831
60	5.891603	<b>163:053437</b>	<b>.169733</b>	27.675564

3 PERCENT

	Amount of 1 How \$ 1 Left at Compound Interest Will Grow	Amount of 1 Per Annum How \$ 1 Deposited Periodically Will Grow	Present Value of 1 What \$ 1 Due in The future Is Worth Today	Present Value of 1 Per Annum What \$ 1 Payable Periodically Is Worth Today
61	6.068351	<b>168. 945040</b>	.164789	<b>27. 840353</b>
<b>62</b>	<b>6. 250402</b>	<b>175. 013391</b>	.1 59990	<b>28. 000343</b>
<b>63</b>	<b>6. 437914</b>	<b>181. 263793</b>	.155330	<b>28.1 5 5673</b>
<b>64</b>	<b>6. 631051</b>	<b>187. 701707</b>	.150806	<b>28. 306478</b>
<b>65</b>	<b>6. 829983</b>	<b>194. 332758</b>	.146413	<b>28. 452892</b>
<b>66</b>	<b>7. 034882</b>	<b>201. 162741</b>	.142149	<b>28. 595040</b>
<b>67</b>	<b>7. 245929</b>	<b>208. 197623</b>	.138009	<b>28. 733049</b>
<b>68</b>	<b>7. 463307</b>	<b>215,443551</b>	.133989	<b>28. 867038</b>
<b>69</b>	<b>7. 687206</b>	<b>222. 906858</b>	.130086	<b>28. 997124</b>
<b>70</b>	<b>7. 917822</b>	<b>230. 594064</b>	.126297	<b>29. 123421</b>
<b>71</b>	<b>8. 155537</b>	<b>238. 511886</b>	.122619	<b>29. 246040</b>
<b>72</b>	<b>8. 400017</b>	<b>246. 661242</b>	.119047	<b>29. 365088</b>
<b>73</b>	<b>8. 652018</b>	<b>255. 061259</b>	.115580	<b>29. 480667</b>
<b>74</b>	<b>8. 911578</b>	<b>263. 719277</b>	.112214	<b>29. 592881</b>
<b>75</b>	<b>9. 178926</b>	<b>272. 630856</b>	.108945	<b>29. 701826</b>
<b>76</b>	<b>9. 454293</b>	<b>281. 809781</b>	.105772	<b>29. 807598</b>
<b>77</b>	<b>9. 737922</b>	<b>291. 264015</b>	.102691	<b>29. 910290</b>
<b>78</b>	<b>10. 030060</b>	<b>301.001997</b>	.099700	<b>30. 009990</b>
<b>79</b>	<b>10. 330962</b>	<b>311. 032057</b>	.096796	<b>30. 106786</b>
<b>80</b>	<b>10. 640891</b>	<b>321. 363019</b>	.093977	<b>30. 200763</b>



**3 PERCENT**

	Amount of 1 How \$ 1 Left at Compound Interest Will Grow	Amount of 1 Per Annum How \$ 1 Deposited Periodically Will Grow	Present Value of 1 What \$ 1 Due in The future Is Worth Today	Present Value of 1 Per Annum What \$ 1 Payable Periodically Is Worth Today
81	10.960117	332.003909	<b>.091240</b>	30.292003
82	11.288921	342.964026	<b>.088582</b>	30.380586
83	11.627588	354.252947	<b>.086002</b>	30.466588
84	11.976416	365.880536	<b>.083497</b>	30.550086
85	12.335709	377.856952	<b>.081065</b>	30.631151
86	12.705780	390.192660	<b>.078704</b>	30.709855
87	<b>13.086953</b>	402.898440	<b>.076412</b>	30.786267
88	13.479562	415.985393	<b>.074186</b>	30.860454
89	13.883949	429.464955	<b>.072026</b>	30.932491
90	14.300467	443.348904	<b>.069928</b>	31.002407
91	14.729481	457.649371	<b>.067891</b>	31.070298
92	15.171366	472.378852	<b>.065914</b>	31.136212
93	15.626507	487.5502.17	<b>.063994</b>	31.200206
94	16.095302	503.176724	<b>.062130</b>	31.262336
95	16.578161	519.272026	<b>.060320</b>	31.322656
<b>97</b>	17.075506	535.850186	<b>.058563</b>	31.381219
96	17.587771	552.925692	<b>.056858</b>	31.438077
98	18.115404	570.513463	<b>.055202</b>	41.493279
99	18.658866	588.628867	<b>.053594</b>	31.546872
100	19.218632	607.287733	<b>.052033</b>	31.598905