

DAFTAR PUSTAKA

- Albasatin, R. (2022). Metode Attained Age Normal Dan Metode Aggregate Cost Untuk Perhitungan Dana Pensi Un Normal (Doctoral Dissertation, Undip).
- Arfa, Y. (2017). Perhitungan Dana Pensiun Dengan Metode Projected Unit Credit Dan Individual Level Premium. *Jurnal Matematika Unand*, 6(3), 124-132.
- Afrianti, D. (2021). Penerapan Metode Attained Age Normal, Entry Age Normal Dan Aggregate Cost Dalam Perhitungan Pembiayaan Dana Pensiun (Doctoral Dissertation, Universitas Islam Negeri Sultan Syarif Kasim).
- Islam, M. E. N., Wilandari, Y., & Suparti, S. (2016). Perhitungan Pembiayaan Dana Pensiun Dengan Metode Attained Age Normal Dan Projected Unit Credit (Studi Kasus: Pt. Taspen (Persero) Kantor Cabang Utama Semarang). *Jurnal Gaussian*, 5(3), 505-514.
- Safitri, H. D., Andriani, Y., & Kresnawati, E. S. (2022). Perhitungan Dana Pensiun Dipercepat Dengan Metode Aggregate Cost Dan Individual Level Premium (Doctoral Dissertation, Sriwijaya University).
- Suryanto, S. (2014). Sistem Pensiun Pns. *Civil Service Journal*, 8(2 November).
- Syahrini, I., Nurmaulidar, N., Maulidi, I., & Alfira, M. (2020). Aplikasi Metode Entry Age Normal Dan Projected Unit Credit Untuk Iuran Normal Dan Kewajiban Aktuaria Pada Dana Pensiun Pns. *Journal Of Data Analysis*, 2(1), 43-52.
- Taspen. (2018). Program Pensiun. Di Akses Pada 10 Desember 2022, Dari <https://www.taspen.co.id/Layanan/Detail-Pensiun> .
- Turfa, R. (2018). Metode Aggregate Cost Untuk Perhitungan Premi Tahunan Dana Pensiun Pada Asuransi Jiwa (Doctoral Dissertation, Universitas Islam Negeri Alauddin Makassar).

Utami, A. H. B., Wilandari, Y., & Wuryandari, T. (2012). Penggunaan Metode Projected Unit Credit Dan Entry Age Normal Dalam Pembiayaan Pensiun. *Jurnal Gaussian*, 1(1), 47-54.

LAMPIRAN

Lampiran I Data Pegawai

No	Tanggal Lahir	Jenis Kelamin	Sr-1
1	31/12/1968	LAKI-LAKI	Rp93.070.600
2	16/06/1982	LAKI-LAKI	Rp61.203.870
3	14/09/1971	LAKI-LAKI	Rp71.089.410
4	13/02/1967	LAKI-LAKI	Rp100.063.880
5	15/02/1973	LAKI-LAKI	Rp71.007.300
6	30/04/1969	LAKI-LAKI	Rp85.669.640
7	13/06/1972	LAKI-LAKI	Rp67.531.800
8	05/09/1973	LAKI-LAKI	Rp59.090.325
9	18/03/1971	LAKI-LAKI	Rp69.641.775
10	16/09/1976	LAKI-LAKI	Rp41.135.990
11	28/04/1971	PEREMPUAN	Rp77.292.250
12	08/01/1971	PEREMPUAN	Rp95.275.950
13	04/01/1972	PEREMPUAN	Rp69.623.925
14	12/10/1969	PEREMPUAN	Rp74.156.250
15	18/07/1969	PEREMPUAN	Rp93.751.035
16	10/09/1984	PEREMPUAN	Rp67.020.800
17	09/08/1984	PEREMPUAN	Rp54.733.630
18	21/08/1974	PEREMPUAN	Rp62.798.085
19	18/07/1987	PEREMPUAN	Rp68.714.765
20	30/09/1981	PEREMPUAN	Rp59.554.040

Lampiran II

Tabel Mortalitas Indonesia 2019 (TMI IV)

usia	qx		px		lx	
	laki-laki	perempuan	laki-laki	perempuan	laki-laki	perempuan
0	0,00524	0,00266	0,99476	0,99734	100.000	100.000
1	0,00053	0,00041	0,99947	0,99959	99.947	99.959
2	0,00042	0,00031	0,99958	0,99969	99.905	99.928
3	0,00034	0,00024	0,99966	0,99976	99.871	99.904
4	0,00029	0,00021	0,99971	0,99979	99.842	99.883
5	0,00026	0,0002	0,99974	0,9998	99.816	99.863
6	0,00023	0,00022	0,99977	0,99978	99.793	99.841
7	0,00021	0,00023	0,99979	0,99977	99.772	99.818
8	0,0002	0,00022	0,9998	0,99978	99.752	99.796
9	0,0002	0,00021	0,9998	0,99979	99.732	99.775
10	0,00019	0,00019	0,99981	0,99981	99.713	99.756
11	0,00019	0,00018	0,99981	0,99982	99.694	99.738
12	0,00019	0,0002	0,99981	0,9998	99.675	99.718
13	0,0002	0,00022	0,9998	0,99978	99.656	99.696
14	0,00023	0,00023	0,99977	0,99977	99.633	99.673
15	0,00027	0,00023	0,99973	0,99977	99.606	99.651
16	0,00031	0,00024	0,99969	0,99976	99.575	99.627
17	0,00037	0,00024	0,99963	0,99976	99.538	99.603
18	0,00043	0,00025	0,99957	0,99975	99.495	99.578
19	0,00047	0,00026	0,99953	0,99974	99.448	99.552
20	0,00049	0,00027	0,99951	0,99973	99.400	99.525
21	0,00049	0,00028	0,99951	0,99972	99.351	99.497
22	0,00049	0,0003	0,99951	0,9997	99.302	99.467
23	0,00049	0,00032	0,99951	0,99968	99.254	99.436
24	0,0005	0,00034	0,9995	0,99966	99.204	99.402
25	0,00052	0,00038	0,99948	0,99962	99.152	99.364
26	0,00055	0,00042	0,99945	0,99958	99.098	99.322
27	0,0006	0,00046	0,9994	0,99954	99.038	99.277
28	0,00065	0,00049	0,99935	0,99951	98.974	99.228
29	0,0007	0,00052	0,9993	0,99948	98.905	99.176
30	0,00075	0,00056	0,99925	0,99944	98.831	99.121
31	0,00081	0,0006	0,99919	0,9994	98.751	99.061
32	0,00087	0,00064	0,99913	0,99936	98.665	98.998
33	0,00093	0,00069	0,99907	0,99931	98.573	98.930
34	0,00099	0,00074	0,99901	0,99926	98.475	98.856
35	0,00107	0,0008	0,99893	0,9992	98.370	98.777
36	0,00116	0,00086	0,99884	0,99914	98.256	98.692
37	0,00127	0,00093	0,99873	0,99907	98.131	98.601
38	0,00139	0,001	0,99861	0,999	97.995	98.502
39	0,00155	0,00108	0,99845	0,99892	97.843	98.396
40	0,00173	0,00118	0,99827	0,99882	97.673	98.279
41	0,00193	0,00128	0,99807	0,99872	97.485	98.154
42	0,00216	0,00141	0,99784	0,99859	97.274	98.015
43	0,00241	0,00154	0,99759	0,99846	97.040	97.864
44	0,0027	0,00169	0,9973	0,99831	96.778	97.699
45	0,00302	0,00187	0,99698	0,99813	96.486	97.516
46	0,00338	0,00209	0,99662	0,99791	96.160	97.312
47	0,00377	0,0023	0,99623	0,9977	95.797	97.089
48	0,00418	0,00253	0,99582	0,99747	95.397	96.843
49	0,00461	0,00277	0,99539	0,99723	94.957	96.575
50	0,00508	0,00305	0,99492	0,99695	94.474	96.280
51	0,00556	0,00335	0,99444	0,99665	93.949	95.958
52	0,00609	0,00368	0,99391	0,99632	93.377	95.604
53	0,00667	0,00403	0,99333	0,99597	92.754	95.219
54	0,00727	0,00442	0,99273	0,99558	92.080	94.798
55	0,00789	0,00483	0,99211	0,99517	91.353	94.340
56	0,00847	0,00524	0,99153	0,99476	90.580	93.846
57	0,00898	0,00563	0,99102	0,99437	89.766	93.318
58	0,00939	0,00601	0,99061	0,99399	88.923	92.757

Lampiran III

Perhitungan Nx dan Dx berdasarkan Tabel Mortalitas Indonesia 2019
(TMI IV) dengan tingkat suku bunga 5,75%

usia	Dx		Nx	
	laki-laki	perempuan	laki-laki	perempuan
0	100.000	100.000	1.757.659	1.761.233
1	94.513	94.524	1.657.659	1.661.233
2	89.336	89.357	1.563.146	1.566.709
3	84.450	84.478	1.473.810	1.477.352
4	79.835	79.868	1.389.360	1.392.874
5	75.474	75.510	1.309.526	1.313.007
6	71.354	71.388	1.234.051	1.237.497
7	67.460	67.491	1.162.697	1.166.109
8	63.779	63.807	1.095.237	1.098.618
9	60.299	60.325	1.031.458	1.034.810
10	57.010	57.034	971.159	974.485
11	53.900	53.923	914.149	917.451
12	50.959	50.981	860.249	863.527
13	48.179	48.199	809.290	812.546
14	45.549	45.567	761.111	764.347
15	43.060	43.080	715.562	718.780
16	40.706	40.728	672.502	675.700
17	38.479	38.504	631.795	634.972
18	36.371	36.401	593.316	596.469
19	34.377	34.413	556.945	560.067
20	32.492	32.533	522.568	525.654
21	30.710	30.756	490.076	498.121
22	29.026	29.075	459.366	462.366
23	27.435	27.485	402.905	433.291
24	25.930	25.982	376.975	405.806
25	24.507	24.559	376.975	379.825
26	23.162	23.214	352.468	355.265
27	21.889	21.942	329.306	332.051
28	20.686	20.739	307.416	310.109
29	19.547	19.601	286.731	289.370
30	18.471	18.525	267.183	269.769
31	17.452	17.507	248.713	251.244
32	16.489	16.545	231.261	233.737
33	15.578	15.634	214.772	217.193
34	14.716	14.773	199.194	201.559
35	13.901	13.959	184.478	186.786
36	13.130	13.188	170.577	172.827
37	12.400	12.460	157.447	159.639
38	11.710	11.770	145.046	147.179
39	11.056	11.118	133.337	135.409
40	10.437	10.501	122.281	124.290
41	9.850	9.918	111.844	113.789
42	9.294	9.365	101.994	103.871
43	8.768	8.842	92.700	94.506
44	8.269	8.347	83.982	85.664
45	7.796	7.879	75.663	77.316
46	7.347	7.435	67.867	69.437
47	6.921	7.014	60.521	62.003
48	6.517	6.616	53.600	54.988
49	6.135	6.239	47.082	48.372
50	5.772	5.882	40.948	42.133
51	5.427	5.543	35.176	36.251
52	5.101	5.223	29.749	30.707
53	4.792	4.919	25.485	25.485
54	4.498	4.631	20.566	20.566
55	4.220	4.358	15.935	15.935
56	3.957	4.099	11.138	11.577
57	3.708	3.855	7.181	7.478
58	3.473	3.623	3.473	3.623

Lampiran IV

Perhitungan B_r (Manfaat Pensiun) 20 Peserta

Peserta	Br
1	76.783.245
2	45.902.903
3	40.876.411
4	82.552.701
5	44.379.563
6	70.677.453
7	55.713.735
8	28.067.904
9	40.044.021
10	20.567.995
11	42.510.738
12	73.838.861
13	39.688.757
14	38.932.031
15	84.375.932
16	53.616.640
17	39.945.200
18	36.108.899
19	48.100.336
20	37.221.275

Lampiran V

Present Value Future Benefit (PVFB) Peserta 1-10

x	1	2	3	4	5	6	7	8	9	10
25	10.882.450			11.700.152		10.017.079	7.896.279			
26	11.514.462			12.379.653		10.598.834	8.354.865			
27	12.183.920			13.099.414		11.215.057	8.840.623			
28	12.892.827	7.707.648		13.861.588		11.867.592	9.355.004			
29	13.643.677	8.156.524		14.668.856		12.558.733	9.899.818			
30	14.438.991	8.631.982		15.523.930		13.290.805	10.476.897			
31	15.281.603	9.135.716		16.429.855		14.066.412	11.088.294			
32	16.174.381	9.669.441		17.389.716		14.888.197	11.736.091			
33	17.120.372	10.234.977		18.406.788	11.700.152	15.758.962	12.422.500			
34	18.122.811	10.834.260		19.484.550	12.379.653	16.681.688	13.149.867			
35	19.185.329	11.469.459	10.213.522	20.626.905	13.099.414	17.659.714	13.920.828		10.005.538	
36	20.312.025	12.143.025	10.813.331	21.838.260	13.861.588	18.696.816	14.738.355		10.593.133	
37	21.507.327	12.857.607	11.449.664	23.123.378	14.668.856	19.797.068	15.605.664		11.216.508	
38	22.775.563	13.615.789	12.124.823	24.486.908	15.523.930	20.964.454	16.525.893		11.877.919	6.100.910
39	24.122.575	14.421.065	12.841.920	25.935.134	16.429.855	22.204.351	17.503.281	8.817.941	12.580.412	6.461.735
40	25.554.022	15.276.820	13.603.967	27.474.139	17.389.716	23.521.970	18.541.936	9.341.203	13.326.941	6.845.178
41	27.075.493	16.186.392	14.413.939	29.109.933	18.406.788	24.922.454	19.645.912	9.897.372	14.120.419	7.252.736
42	28.694.442	17.154.239	15.275.804	30.850.528	19.484.550	26.412.664	20.820.617	10.489.174	14.964.734	7.686.405
43	30.417.544	18.184.352	16.193.116	32.703.103	20.626.905	27.998.745	22.070.895	11.119.050	15.863.366	8.147.974
44	32.253.635	19.282.012	17.170.580	34.677.157	21.838.260	29.688.830	23.403.158	11.790.228	16.820.925	8.639.809
45	34.211.442	20.452.437	18.212.840	36.782.073	23.123.378	31.490.953	24.823.739	12.505.899	17.841.961	9.164.249
46	36.301.252	21.701.776	19.325.373	39.028.910	24.486.908	33.414.582	26.340.100	13.269.823	18.931.840	9.724.048
47	38.534.038	23.036.591	20.514.022	41.429.467	25.935.134	35.469.817	27.960.204	14.086.012	20.096.283	10.322.147
48	40.920.609	24.463.341	21.784.539	43.995.364	27.474.139	37.666.609	29.691.894	14.958.416	21.340.928	10.961.439
49	43.474.060	25.989.857	23.143.897	46.740.680	29.109.933	40.017.009	31.544.672	15.891.823	22.672.605	11.645.434
50	46.208.860	27.624.787	24.599.798	49.680.972	30.850.528	42.534.339	33.529.036	16.891.522	24.098.858	12.378.008
51	49.138.399	29.376.460	26.159.658	52.831.215	32.703.103	45.231.418	35.655.094	17.962.604	25.626.954	13.162.891
52	52.282.747	31.255.905	27.833.299	56.211.247	34.677.157	48.125.231	37.936.233	19.111.814	27.266.513	14.005.025
53	55.660.364	33.275.127	29.631.411	59.842.657	36.782.073	51.234.260	40.387.024	20.346.493	29.028.009	14.909.790
54	59.291.680	35.446.017	31.564.582	63.746.828	39.028.910	54.576.814	43.021.898	21.673.911	30.921.814	15.882.514
55	63.074.273	37.707.344	33.578.288	67.813.644	41.429.467	58.058.616	45.766.538	23.056.627	32.894.514	16.895.761
56	67.404.284	40.295.930	35.883.417	72.469.009	43.995.364	62.044.306	48.908.384	24.639.451	35.152.702	18.055.645
57	71.926.399	42.999.361	38.290.815	77.330.914	46.740.680	66.206.823	52.189.620	26.292.498	37.511.077	19.266.987
58	76.783.245	45.902.903	40.876.411	82.552.701	49.680.972	70.677.453	55.713.735	28.067.904	40.044.021	20.567.995

Lampiran VI

Present Value Future Benefit (PVFB) Peserta 11-20

x	11	12	13	14	15	16	17	18	19	20
22					10.514.599					
23					11.122.655					
24					11.766.231					
25					12.447.548					
26					13.168.848	8.368.137				
27		12.192.461			13.932.369	8.853.316				
28		12.899.895			14.740.756	9.367.005				
29		13.652.921			15.601.242	9.913.801				
30		14.441.606			16.502.474	10.486.488			9.407.595	
31		15.281.248			17.461.937	11.096.178	7.645.957		9.954.557	
32		16.170.204			18.477.750	11.741.676	8.090.745		10.533.643	
33		17.111.744			19.553.651	12.425.357	8.561.844		11.146.984	8.625.823
34		18.109.215			20.693.465	13.149.651	9.060.928		11.796.760	9.128.636
35		19.165.811	10.301.719		21.900.841	13.916.878	9.589.594	9.372.522	12.485.051	9.661.253
36	11.678.716	20.285.301	10.903.451		23.180.086	14.729.773	10.149.730	9.919.978	13.214.313	10.225.574
37	12.361.641	21.471.504	11.541.041	11.320.993	24.535.565	15.591.111	10.743.246	10.500.059	13.987.032	10.823.525
38	13.085.574	22.728.936	12.216.917	11.983.983	25.972.437	16.504.171	11.372.401	11.114.972	14.806.153	11.457.381
39	13.852.901	24.061.744	12.933.307	12.686.715	27.495.441	17.471.963	12.039.269	11.766.745	15.674.374	12.129.233
40	14.666.883	25.475.586	13.693.255	13.432.172	29.111.044	18.498.597	12.746.684	12.458.147	16.595.384	12.841.934
41	15.529.981	26.974.741	14.499.058	14.222.612	30.824.134	19.587.179	13.496.785	13.191.268	17.571.968	13.597.640
42	16.446.246	28.566.243	15.354.498	15.061.742	32.642.748	20.742.817	14.293.091	13.969.549	18.608.709	14.399.897
43	17.418.740	30.255.413	16.262.435	15.952.368	34.572.969	21.969.374	15.138.265	14.795.592	19.709.073	15.251.387
44	18.451.427	32.049.134	17.226.570	16.898.119	36.622.661	23.271.850	16.035.752	15.672.763	20.877.544	16.155.580
45	19.549.001	33.955.562	18.251.284	17.903.296	38.801.142	24.656.165	16.989.631	16.605.049	22.119.435	17.116.587
46	20.716.406	35.983.282	19.341.194	18.972.425	41.118.225	26.128.554	18.004.199	17.596.651	23.440.339	18.138.736
47	21.957.919	38.139.722	20.500.291	20.109.422	43.582.397	27.694.410	19.083.172	18.651.200	24.845.093	19.225.771
48	23.279.483	40.435.209	21.734.127	21.319.733	46.205.458	29.361.233	20.231.716	19.773.746	26.340.427	20.382.899
49	24.686.370	42.878.895	23.047.620	22.608.183	48.997.867	31.135.668	21.454.412	20.968.764	27.932.300	21.614.731
50	26.184.192	45.480.531	24.446.013	23.979.913	51.970.766	33.024.795	22.756.138	22.241.024	29.627.066	22.926.185
51	27.784.431	48.260.061	25.940.024	25.445.438	55.146.944	35.043.096	24.146.873	23.600.278	31.437.716	24.327.312
52	29.490.831	51.223.985	27.533.148	27.008.187	58.533.832	37.195.292	25.629.870	25.049.705	33.368.484	25.821.390
53	31.312.651	54.388.388	29.234.030	28.676.640	62.149.806	39.493.061	27.213.175	26.597.171	35.429.849	27.416.527
54	33.260.185	57.771.149	31.052.281	30.460.223	66.015.299	41.949.386	28.905.737	28.251.419	37.633.458	29.121.736
55	35.154.845	61.062.072	32.821.169	32.195.384	69.775.849	44.339.025	30.552.347	29.860.755	39.777.241	30.780.650
56	37.572.389	65.261.217	35.078.230	34.409.411	74.574.226	47.388.152	32.653.384	31.914.234	42.512.660	32.897.388
57	39.957.613	69.404.221	37.305.116	36.593.838	79.308.453	50.396.513	34.726.333	33.940.258	45.211.509	34.985.827
58	42.510.738	73.838.861	39.688.757	38.932.031	84.375.932	53.616.640	36.945.200	36.108.899	48.100.336	37.221.275

Lampiran VII

Iuran Normal Peserta 1-10 menggunakan metode *Aggregate Cost*

x	1	2	3	4	5	6	7	8	9	10
25	10.882.450			11.808.946		10.110.223	7.969.703			
26	10.988.784			11.844.397		10.083.293	7.864.166			
27	11.665.701			12.572.543		10.705.994	8.354.000			
28	12.383.570	7.795.719		13.344.749		11.366.358	8.873.435			
29	13.145.228	7.692.020		14.164.066		12.066.997	9.424.530			
30	13.953.432	8.172.686		15.033.464		12.810.438	10.009.256			
31	14.811.492	8.682.952		15.956.503		13.599.731	10.630.019			
32	22.536.328	9.224.709		16.936.676		14.437.849	11.289.136			
33	28.795.889	9.800.002		17.977.785	10.058.000	15.328.024	11.989.124			
34	32.654.387	10.411.437		19.084.331	10.050.951	16.274.144	12.733.095			
35	37.158.416	11.061.282	10.409.492	20.260.738	10.678.908	17.279.935	13.523.896		10.197.518	
36	42.501.523	11.752.635	10.414.066	21.512.584	11.346.965	18.350.171	14.365.289		10.192.398	
37	49.005.888	12.488.828	11.068.356	22.845.954	12.058.336	19.490.043	15.261.340		10.833.125	
38	52.870.578	13.273.176	11.765.384	24.266.988	12.816.221	20.704.779	16.216.124		11.515.692	6.250.575
39	57.320.332	14.110.294	12.509.244	25.784.078	13.625.076	22.001.545	17.235.265	9.053.762	12.244.109	6.040.557
40	15.722.649	15.004.765	13.303.985	27.405.706	14.489.323	23.387.560	18.324.389	8.970.059	13.022.335	6.432.366
41	16.690.429	15.961.595	14.154.040	29.141.071	15.413.794	24.870.664	19.489.626	9.548.029	13.854.708	6.851.019
42	17.719.033	16.987.251	15.065.121	31.002.128	16.404.726	26.461.035	20.738.912	10.167.151	14.746.815	7.299.187
43	18.812.548	18.088.289	16.043.010	33.001.088	17.468.442	28.169.051	22.080.316	10.831.230	15.704.311	7.779.518
44	19.976.161	19.273.595	17.095.561	35.154.356	18.613.515	30.008.680	23.524.737	11.545.494	16.734.877	8.295.701
45	21.215.522	20.552.963	18.231.405	37.480.204	19.849.387	31.995.448	25.084.239	12.315.611	17.846.954	8.851.670
46	23.946.377	21.938.894	19.461.564	40.001.920	21.188.109	34.149.148	26.774.209	13.148.832	19.051.317	9.452.466
47	25.453.535	23.446.590	20.799.416	42.747.998	22.644.331	36.493.966	28.613.409	14.053.889	20.361.043	10.104.104
48	27.066.342	25.094.730	22.261.370	45.753.680	24.236.045	39.059.778	30.624.951	15.041.405	21.792.164	10.813.816
49	30.653.497	26.908.843	23.869.822	49.067.344	25.987.831	41.887.558	32.840.481	16.125.788	23.366.558	11.591.336
50	34.815.497	28.924.952	25.656.397	52.757.063	27.934.376	45.034.996	35.304.601	17.327.463	25.115.122	12.450.528
51	39.709.547	31.194.253	27.665.928	56.920.423	30.124.951	48.584.643	38.080.925	18.675.051	27.081.635	13.410.522
52	45.579.126	33.799.047	29.970.413	61.714.876	32.638.733	52.669.604	41.271.872	20.214.286	29.336.388	14.501.671
53	62.342.130	36.744.330	32.577.695	67.124.635	35.481.580	57.280.825	44.876.874	21.960.274	31.887.698	15.743.336
54	68.800.068	40.495.372	35.888.127	74.088.309	39.099.090	63.203.544	49.487.909	24.147.944	35.125.164	17.273.582
55	77.385.439	45.445.778	40.246.858	83.352.810	43.870.181	71.070.194	55.593.161	26.998.968	39.385.913	19.241.782
56	92.964.766	54.330.890	48.042.331	100.182.835	52.425.065	85.325.912	66.605.057	32.017.825	47.000.942	22.634.815
57	129.647.152	75.093.186	66.213.263	139.839.614	72.402.017	118.860.511	92.425.242	43.585.444	64.742.743	30.335.921
58	-			-	-	-	-	-	-	-

Lampiran VIII

iuran Normal Peserta 11-20 menggunakan metode *Aggregate Cost*

x	11	12	13	14	15	16	17	18	19	20
22					10.597.640					
23					10.576.260					
24					11.225.693					
25					11.914.096					
26					12.643.849	8.454.355				
27		12.326.960			13.417.445	8.379.976				
28		12.409.052			14.237.806	8.899.398				
29		13.173.865			15.112.555	9.453.226				
30		13.976.441			16.030.526	10.034.343			9.535.659	
31		14.832.655			17.009.863	10.654.264	7.757.827		9.514.465	
32		15.775.526			18.083.389	11.346.390	7.694.958		10.138.191	
33		16.706.060			19.152.752	12.010.489	8.139.404		10.729.611	8.772.151
34		17.731.101			20.325.297	12.752.449	8.647.989		11.394.351	8.715.958
35		18.820.352	10.505.489		21.571.337	13.540.798	9.188.271	9.557.912	12.100.619	9.260.348
36	11.928.781	19.978.635	10.522.331		22.896.392	14.379.019	9.762.629	9.531.053	12.851.531	9.839.075
37	12.008.255	21.210.824	11.179.305	11.583.889	24.306.066	15.270.590	10.373.391	10.127.729	13.650.188	10.454.487
38	12.758.331	22.523.062	11.878.742	11.642.876	25.807.384	16.219.954	11.023.596	10.762.928	14.500.565	11.109.647
39	13.557.202	23.921.160	12.623.635	12.373.296	27.407.029	17.231.252	11.716.013	11.439.348	15.406.351	11.807.344
40	14.409.380	25.413.112	13.418.184	13.152.391	29.114.166	18.310.232	12.454.533	12.160.790	16.372.678	12.551.502
41	15.318.756	27.005.927	14.265.996	13.983.695	30.936.854	19.461.889	13.242.494	12.930.506	17.403.994	13.345.485
42	16.291.473	28.710.477	15.172.792	14.872.813	32.887.552	20.694.043	14.085.199	13.753.675	18.507.285	14.194.640
43	17.332.935	30.536.559	16.143.576	15.824.645	34.977.537	22.013.654	14.987.271	14.634.801	19.688.740	15.103.626
44	18.450.363	32.497.156	17.185.053	16.845.756	37.221.731	23.429.988	15.954.907	15.579.929	20.956.607	16.078.693
45	19.652.705	34.608.441	18.305.520	17.944.266	39.638.733	24.954.553	16.995.773	16.596.531	22.321.124	17.127.568
46	20.950.891	36.890.085	19.515.117	19.130.108	42.251.159	26.601.377	18.119.244	17.693.749	23.794.779	18.259.706
47	22.357.138	39.364.382	20.825.157	20.414.349	45.084.691	28.386.251	19.335.749	18.881.742	25.391.589	19.485.623
48	23.888.578	42.062.701	22.251.486	21.812.493	48.175.484	30.331.353	20.659.889	20.174.733	27.131.225	20.820.046
49	25.566.983	45.024.952	23.814.244	23.344.240	51.569.550	32.464.884	22.110.215	21.590.786	29.038.695	22.281.686
50	27.422.729	48.307.168	25.541.496	25.037.036	55.331.552	34.826.317	23.712.544	23.155.036	31.148.953	23.896.585
51	29.507.253	52.003.685	27.480.816	26.937.418	59.570.257	37.482.298	25.510.693	24.910.153	33.521.091	25.708.940
52	31.889.321	56.242.728	29.695.610	29.107.357	64.433.885	40.522.668	27.562.863	26.912.751	36.234.482	27.777.474
53	34.697.474	61.262.530	32.304.542	31.662.867	70.197.565	44.114.856	29.978.110	29.268.958	39.437.240	30.212.211
54	38.180.473	67.525.995	35.537.082	34.828.246	77.396.226	48.583.538	32.967.152	32.183.776	43.416.333	33.225.755
55	42.661.186	75.665.294	39.688.235	38.891.027	86.766.074	54.361.229	36.797.905	35.916.863	48.549.815	37.088.749
56	50.553.760	90.087.817	46.992.604	46.037.665	103.384.915	64.568.687	43.530.413	42.475.055	57.607.469	43.878.802
57	69.491.253	125.124.241	64.479.935	63.136.129	143.836.140	89.213.294	59.607.883	58.122.765	79.417.352	60.098.141
58	-	-	-	-	-	-	-	-	-	-

Lampiran IX

Iuran Normal Peserta 1-10 menggunakan metode *Individual Level Premium*

x	1	2	3	4	5	6	7	8	9	10
25	713.967			729.441		657.193	518.053			
26	713.967			729.441		657.193	518.053			
27	713.967			729.441		657.193	518.053			
28	713.967	524.509		729.441		657.193	518.053			
29	713.967	524.509		729.441		657.193	518.053			
30	713.967	524.509		729.441		657.193	518.053			
31	713.967	524.509		729.441		657.193	518.053			
32	713.967	524.509		729.441		657.193	518.053			
33	713.967	524.509		729.441	729.441	657.193	518.053			
34	713.967	524.509		729.441	729.441	657.193	518.053			
35	713.967	524.509	784.309	729.441	729.441	657.193	518.053		768.337	
36	713.967	524.509	784.309	729.441	729.441	657.193	518.053		768.337	
37	713.967	524.509	784.309	729.441	729.441	657.193	518.053		768.337	
38	713.967	524.509	784.309	729.441	729.441	657.193	518.053		768.337	504.564
39	713.967	524.509	784.309	729.441	729.441	657.193	518.053	750.630	768.337	504.564
40	713.967	524.509	784.309	729.441	729.441	657.193	518.053	750.630	768.337	504.564
41	713.967	524.509	784.309	729.441	729.441	657.193	518.053	750.630	768.337	504.564
42	713.967	524.509	784.309	729.441	729.441	657.193	518.053	750.630	768.337	504.564
43	713.967	524.509	784.309	729.441	729.441	657.193	518.053	750.630	768.337	504.564
44	713.967	524.509	784.309	729.441	729.441	657.193	518.053	750.630	768.337	504.564
45	713.967	524.509	784.309	729.441	729.441	657.193	518.053	750.630	768.337	504.564
46	713.967	524.509	784.309	729.441	729.441	657.193	518.053	750.630	768.337	504.564
47	713.967	524.509	784.309	729.441	729.441	657.193	518.053	750.630	768.337	504.564
48	713.967	524.509	784.309	729.441	729.441	657.193	518.053	750.630	768.337	504.564
49	713.967	524.509	784.309	729.441	729.441	657.193	518.053	750.630	768.337	504.564
50	713.967	524.509	784.309	729.441	729.441	657.193	518.053	750.630	768.337	504.564
51	713.967	524.509	784.309	729.441	729.441	657.193	518.053	750.630	768.337	504.564
52	713.967	524.509	784.309	729.441	729.441	657.193	518.053	750.630	768.337	504.564
53	713.967	524.509	784.309	729.441	729.441	657.193	518.053	750.630	768.337	504.564
54	713.967	524.509	784.309	729.441	729.441	657.193	518.053	750.630	768.337	504.564
55	713.967	524.509	784.309	729.441	729.441	657.193	518.053	750.630	768.337	504.564
56	713.967	524.509	784.309	729.441	729.441	657.193	518.053	750.630	768.337	504.564
57	713.967	524.509	784.309	729.441	729.441	657.193	518.053	750.630	768.337	504.564

Lampiran X

Iuran Normal Peserta 11-20 menggunakan metode *Individual Level Premium*

x	11	12	13	14	15	16	17	18	19	20
22					666.373					
23					666.373					
24					666.373					
25					666.373					
26					666.373	552.417				
27		814.541			666.373	552.417				
28		814.541			666.373	552.417				
29		814.541			666.373	552.417				
30		814.541			666.373	552.417			654.782	
31		814.541			666.373	552.417	540.554		654.782	
32		814.541			666.373	552.417	540.554		654.782	
33		814.541			666.373	552.417	540.554		654.782	631.421
34		814.541			666.373	552.417	540.554		654.782	631.421
35		814.541	785.051		666.373	552.417	540.554	714.241	654.782	631.421
36	910.241	814.541	785.051		666.373	552.417	540.554	714.241	654.782	631.421
37	910.241	814.541	785.051	904.079	666.373	552.417	540.554	714.241	654.782	631.421
38	910.241	814.541	785.051	904.079	666.373	552.417	540.554	714.241	654.782	631.421
39	910.241	814.541	785.051	904.079	666.373	552.417	540.554	714.241	654.782	631.421
40	910.241	814.541	785.051	904.079	666.373	552.417	540.554	714.241	654.782	631.421
41	910.241	814.541	785.051	904.079	666.373	552.417	540.554	714.241	654.782	631.421
42	910.241	814.541	785.051	904.079	666.373	552.417	540.554	714.241	654.782	631.421
43	910.241	814.541	785.051	904.079	666.373	552.417	540.554	714.241	654.782	631.421
44	910.241	814.541	785.051	904.079	666.373	552.417	540.554	714.241	654.782	631.421
45	910.241	814.541	785.051	904.079	666.373	552.417	540.554	714.241	654.782	631.421
46	910.241	814.541	785.051	904.079	666.373	552.417	540.554	714.241	654.782	631.421
47	910.241	814.541	785.051	904.079	666.373	552.417	540.554	714.241	654.782	631.421
48	910.241	814.541	785.051	904.079	666.373	552.417	540.554	714.241	654.782	631.421
49	910.241	814.541	785.051	904.079	666.373	552.417	540.554	714.241	654.782	631.421
50	910.241	814.541	785.051	904.079	666.373	552.417	540.554	714.241	654.782	631.421
51	910.241	814.541	785.051	904.079	666.373	552.417	540.554	714.241	654.782	631.421
52	910.241	814.541	785.051	904.079	666.373	552.417	540.554	714.241	654.782	631.421
53	910.241	814.541	785.051	904.079	666.373	552.417	540.554	714.241	654.782	631.421
54	910.241	814.541	785.051	904.079	666.373	552.417	540.554	714.241	654.782	631.421
55	910.241	814.541	785.051	904.079	666.373	552.417	540.554	714.241	654.782	631.421
56	910.241	814.541	785.051	904.079	666.373	552.417	540.554	714.241	654.782	631.421
57	910.241	814.541	785.051	904.079	666.373	552.417	540.554	714.241	654.782	631.421
58	910.241	814.541	785.051	904.079	666.373	552.417	540.554	714.241	654.782	631.421

Lampiran XI

Kewajiban Aktuarial Peserta 1-10 menggunakan metode *Aggregate Cost*

x	1	2	3	4	5	6	7	8	9	10
25	485.868.643			522.376.579		447.232.443	352.545.101			
26	459.450.254			493.973.124		422.914.839	333.375.982			
27	434.468.325			467.114.066		399.919.470	315.249.155			
28	410.844.752	51.091.325		441.715.428		378.174.439	298.107.948			
29	388.505.676	51.055.706		417.697.805		357.611.763	281.898.769			
30	367.381.253	51.017.507		394.986.104		338.167.152	266.570.940			
31	347.405.441	50.976.210		373.509.318		319.779.813	252.076.539			
32	328.515.783	50.931.816		353.200.301		302.392.258	238.370.250			
33	310.653.223	50.884.325		333.995.556	179.552.897	285.950.126	225.409.220			
34	293.761.913	50.833.736		315.835.041	169.789.974	270.402.010	213.152.926			
35	277.789.043	50.779.534	147.884.073	298.661.978	160.557.895	255.699.300	201.563.051		144.872.624	
36	262.684.674	50.720.686	139.843.095	282.422.674	151.827.797	241.796.029	190.603.358		136.995.389	
37	248.401.583	50.656.160	132.239.333	267.066.358	143.572.385	228.648.727	180.239.582		129.546.467	
38	234.895.114	50.585.956	125.049.015	252.545.020	135.765.848	216.216.290	170.439.321		122.502.569	62.921.560
39	222.123.039	50.507.492	118.249.660	238.813.257	128.383.781	204.459.849	161.171.935	81.196.467	115.841.673	59.500.293
40	210.045.427	50.419.736	111.820.009	225.828.139	121.403.102	193.342.647	152.408.449	76.781.529	109.542.953	56.265.052
41	198.624.517	50.322.689	105.739.961	213.549.068	114.801.988	182.829.926	144.121.465	72.606.647	103.586.717	53.205.723
42	187.824.603	50.213.769	99.990.507	201.937.653	108.559.800	172.888.819	136.285.073	68.658.768	97.954.342	50.312.741
43	177.611.918	50.092.975	94.553.671	190.957.591	102.657.021	163.488.245	128.874.773	64.925.549	92.628.220	47.577.060
44	167.954.532	49.957.729	89.412.455	180.574.554	97.075.197	154.598.813	121.867.398	61.395.318	87.591.697	44.990.127
45	158.822.252	49.806.995	84.550.785	170.756.080	91.796.877	146.192.731	115.241.038	58.057.038	82.829.028	42.543.856
46	150.186.527	49.638.711	79.953.461	161.471.470	86.805.557	138.243.717	108.974.977	54.900.273	78.325.322	40.230.596
47	142.020.357	49.451.327	75.606.110	152.691.698	82.085.633	130.726.919	103.049.624	51.915.151	74.066.498	38.043.117
48	134.298.210	49.244.843	71.495.139	144.389.312	77.622.348	123.618.836	97.446.453	49.092.342	70.039.242	35.974.579
49	126.995.943	49.017.711	67.607.696	136.538.357	73.401.748	116.897.245	92.147.946	46.423.018	66.230.962	34.018.514
50	120.090.726	48.768.382	63.931.628	129.114.285	69.410.636	110.541.130	87.137.537	43.898.835	62.629.751	32.168.808
51	113.560.970	48.497.372	60.455.440	122.093.887	65.636.535	104.530.619	82.399.563	41.511.901	59.224.351	30.419.676
52	107.386.260	48.202.100	57.168.265	115.455.212	62.067.646	98.846.921	77.919.208	39.254.753	56.004.114	28.765.651
53	101.547.291	47.880.501	54.059.825	109.177.506	58.692.809	93.472.266	73.682.466	37.120.333	52.958.973	27.201.562
54	96.025.807	47.532.576	51.120.402	103.241.140	55.501.474	88.389.850	69.676.091	35.101.970	50.079.407	25.722.517
55	90.804.546	47.251.242	48.340.805	97.627.556	52.483.664	83.583.782	65.887.557	33.193.352	47.356.414	24.323.893
56	85.867.183	46.758.262	45.712.346	92.319.201	49.629.942	79.039.037	62.305.018	31.388.513	44.781.479	23.001.317
57	81.198.282	46.338.067	43.226.804	87.299.481	46.931.387	74.741.407	58.917.275	29.681.809	42.346.552	21.750.655
58	76.783.245	45.902.903	40.876.411	82.552.701	44.379.563	70.677.453	55.713.735	28.067.904	40.044.021	20.567.995

Lampiran XII

Kewajiban Aktuaria 11-20 menggunakan metode *AggregateCost*

x	11	12	13	14	15	16	17	18	19	20
22					631.410.963					
23					597.078.925					
24					564.613.640					
25					533.913.608					
26					504.882.844	320.827.530				
27		417.807.900			477.430.586	303.383.007				
28		395.090.213			451.471.003	286.887.005				
29		373.607.767			426.922.934	271.287.948				
30		353.293.396			403.709.631	256.537.066			230.143.458	
31		334.083.590			381.758.516	242.588.242	167.158.389		217.629.748	
32		315.918.288			361.000.961	229.397.865	158.069.399		205.796.452	
33		298.740.698			341.372.067	216.924.695	149.474.609		194.606.574	150.591.565
34		282.497.114			322.810.465	205.129.735	141.347.148		184.025.129	142.403.371
35		267.136.751	143.587.338		305.258.123	193.976.109	133.661.606	130.636.006	174.019.034	134.660.398
36	145.434.323	252.611.585	135.779.989		288.660.164	183.428.945	126.393.953	123.532.866	164.557.007	127.338.438
37	137.526.546	238.876.203	128.397.153	125.949.069	272.964.694	173.455.267	119.521.469	116.815.949	155.609.462	120.414.599
38	130.048.743	225.887.662	121.415.747	119.100.774	258.122.642	164.023.893	113.022.666	110.464.255	147.148.428	113.867.233
39	122.977.535	213.605.355	114.813.945	112.624.845	244.087.605	155.105.336	106.877.225	104.457.924	139.147.450	107.675.870
40	116.290.813	201.990.879	108.571.107	106.501.036	230.815.702	146.671.713	101.065.934	98.778.179	131.581.513	101.821.154
41	109.967.672	191.007.923	102.667.713	100.710.199	218.265.439	138.696.655	95.570.623	93.407.261	124.426.962	96.284.779
42	103.988.343	180.622.150	97.085.308	95.234.231	206.397.578	131.155.229	90.374.112	88.328.379	117.661.430	91.049.437
43	98.334.130	170.801.087	91.806.438	90.056.011	195.175.015	124.023.858	85.460.153	83.525.654	111.263.764	86.098.758
44	92.987.357	161.514.031	86.814.598	85.159.348	184.562.662	117.280.244	80.813.383	78.984.070	105.213.961	81.417.265
45	87.931.307	152.731.944	82.094.183	80.528.934	174.527.340	110.903.304	76.419.275	74.689.428	99.493.107	76.990.322
46	83.150.172	144.427.370	77.630.433	76.150.293	165.037.674	104.873.100	72.264.090	70.628.301	94.083.316	72.804.087
47	78.629.004	136.574.345	73.409.393	72.009.733	156.063.994	99.170.780	68.334.837	66.787.991	88.967.675	68.845.472
48	74.353.668	129.148.317	69.417.866	68.094.310	147.578.245	93.778.516	64.619.231	63.156.493	84.130.189	65.102.101
49	70.310.797	122.126.068	65.643.372	64.391.783	139.553.896	88.679.448	61.105.656	59.722.452	79.555.735	61.562.271
50	66.487.752	115.485.644	62.074.110	60.890.575	131.965.859	83.857.634	57.783.126	56.475.132	75.230.009	58.214.913
51	62.872.578	109.206.282	58.698.922	57.579.739	124.790.410	79.297.999	54.641.254	53.404.380	71.139.488	55.049.563
52	59.453.975	103.268.352	55.507.255	54.448.926	118.005.116	74.986.287	51.670.216	50.500.596	67.271.384	52.056.325
53	56.221.253	97.653.288	52.489.130	51.488.346	111.588.762	70.909.019	48.860.725	47.754.700	63.613.602	49.225.839
54	53.164.305	92.343.535	49.635.111	48.688.744	105.521.288	67.053.445	46.203.995	45.158.109	60.154.706	46.549.257
55	50.273.575	87.322.491	46.936.275	46.041.365	99.783.724	63.407.513	43.691.721	42.702.704	56.883.883	44.018.210
56	47.540.023	82.574.460	44.384.185	43.537.934	94.358.132	59.959.824	41.316.048	40.380.807	53.790.906	41.624.784
57	44.955.105	78.084.596	41.970.860	41.170.623	89.227.548	56.699.597	39.069.549	38.185.161	50.866.105	39.361.498
58	42.510.738	73.838.861	39.688.757	38.932.031	84.375.932	53.616.640	36.945.200	36.108.899	48.100.336	37.221.275

Lampiran XIII

Kewajiban Aktuaria 1-10 menggunakan metode *Individual Level Premium*

x	1	2	3	4	5	6	7	8	9	10
25	0			0		0	0			
26	755.427			681.218		695.355	548.136			
27	1.554.850			1671680		1.431.208	1.128.195			
28	2.400.795	0		2.581.190		2.209.884	1.742.011			
29	3.296.223	555.045		3543.899		3.034.108	2.391.731			
30	4.243.836	1.142.470		4.562.716		3.906.367	3.079.317			
31	5.247.242	1.764.281		5.641.518		4.829.982	3.807.386			
32	6.309.360	2.422.462		6.783.442		5.807.640	4.578.056			
33	7.436.342	3.120.992		7.995.105	2.341	6.845.005	5.395.792			
34	8.625.293	3.857.257		9.273.394	772.169	7.939.411	6.258.492			
35	9.886.811	4.638.664	0	10.629.701	1.589.648	9.100.613	7.173.846		0	
36	11.223.261	5.466.356	830.364	12.066.572	2.455.267	10.330.789	8.143.571		813.454	
37	12.639.985	6.343.553	1.709.729	13.589.747	3.372.195	11.634.855	9.171.542		1.674.913	
38	14.140.881	7.272.801	2.641.064	15.203.420	4.343.384	13.016.400	10.260.589		2.587.282	0
39	15.733.499	8.258.499	3.627.924	16.915.706	5.372.834	14.482.373	11.416.188	0	3.554.046	534.365
40	17.422.936	9.303.913	4.673.914	18.732.087	6.464.191	16.037.467	12.642.040	795.149	4.578.736	1.100.546
41	19.217.752	10.414.136	5.783.499	20.661.765	7.622.329	17.689.560	13.944.354	1.637.898	5.665.727	1.700.765
42	21.124.106	11.593.033	6.960.718	22.711.361	8.851.402	19.444.320	15.327.600	2.531.418	6.818.972	2.337.260
43	23.148.158	12.844.484	8.209.657	24.887.500	10.155.607	21.307.420	16.796.247	3.478.941	8.042.479	3.012.307
44	25.302.106	14.175.756	9.536.714	27.203.294	11.541.916	23.290.087	18.359.146	4.484.809	9.342.513	3.729.100
45	27.594.524	15.592.161	10.947.221	29.667.964	13.015.887	25.400.212	20.022.519	5.553.084	10.724.297	4.490.529
46	30.038.519	17.101.614	12.448.483	32.295.599	14.585.351	27.649.861	21.795.876	6.688.955	12.194.988	5.300.361
47	32.645.254	18.710.967	14.047.181	35.098.203	16.257.340	30.049.309	23.687.317	7.897.397	13.761.130	6.162.155
48	35.427.217	20.427.916	15.750.919	38.089.201	18.039.821	32.610.050	25.705.902	9.184.133	15.430.174	7.080.001
49	38.391.656	22.257.127	17.564.933	41.276.387	19.938.063	35.338.757	27.856.892	10.553.480	17.207.248	8.056.905
50	41.564.845	24.214.278	19.503.086	44.688.007	21.967.153	38.259.613	30.159.350	12.014.894	19.105.933	9.099.811
51	44.966.530	26.311.457	21.577.085	48.345.283	24.139.440	41.390.789	32.627.597	13.577.042	21.137.698	10.214.935
52	48.599.883	28.551.027	23.790.489	52.251.655	26.458.228	44.735.228	35.263.957	15.243.339	23.306.029	11.404.572
53	52.369.024	30.838.784	26.022.449	56.304.007	28.813.389	48.204.647	37.998.836	16.894.191	25.492.538	12.588.936
54	56.572.781	33.449.389	28.581.056	60.823.632	31.494.415	52.074.122	41.049.071	18.819.322	27.999.043	13.963.569
55	61.083.116	36.228.519	31.324.578	65.672.872	34.369.650	56.225.796	44.321.760	20.882.815	30.686.698	15.437.149
56	66.008.504	39.272.282	34.357.354	70.958.351	37.538.300	60.759.518	47.895.609	23.180.756	33.657.715	17.074.845
57	71.203.026	42.469.229	37.501.499	76.553.187	40.837.501	65.540.972	51.664.741	25.538.429	36.737.834	18.759.904
58	76.783.245	45.902.903	40.876.411	82.552.701	44.379.563	70.677.453	55.713.735	28.067.904	40.044.021	20.567.995

Lampiran XIV

Kewajiban Aktuaria 11-20 menggunakan metode *Individual Level Premium*

x	11	12	13	14	15	16	17	18	19	20
22					0					
23					704.923					
24					1.450.622					
25					2.239.631					
26					3.074.405	0				
27		0			3.957.634	584.441				
28		361.790			4.892.231	1.202.804				
29		1.773.656			5.881.327	1.857.126				
30		2.738.530			6.928.014	2.549.499			0	
31		3.759.676			8.035.987	3.282.286	0		692.856	
32		3.855.545			8.402.826	3.389.895	-81.451		634.479	
33		5.984.175			10.450.089	4.878.684	1.177.331		2.201.983	0
34		7.194.959			11.764.352	5.747.637	1.818.007		3.023.262	668.222
35		8.476.564	0		13.155.606	6.667.433	2.496.097	0	3.892.524	1.375.430
36	0	9.334.284	830.947		14.630.043	7.641.939	3.214.180	755.997	4.813.152	2.124.177
37	963.424	11.271.004	1.710.417	0	16.190.139	8.673.127	3.974.111	1.556.140	5.787.408	2.916.600
38	1.983.505	12.794.044	2.641.761	957.079	17.844.702	9.766.379	4.779.331	2.403.479	6.819.854	3.756.019
39	3.063.446	14.406.642	3.627.773	1.970.303	19.596.632	10.923.928	5.631.862	3.300.554	7.912.976	4.644.736
40	4.207.253	16.115.601	4.672.181	3.043.356	21.453.648	12.150.706	6.535.136	4.250.758	9.071.229	5.586.225
41	5.418.310	17.925.331	5.778.019	4.179.473	23.420.280	13.449.838	7.491.613	5.256.852	10.297.725	6.583.132
42	6.702.250	19.846.455	6.950.618	5.383.733	25.508.962	14.829.084	8.506.463	6.323.684	11.599.249	7.640.570
43	8.062.766	21.883.084	8.193.230	6.659.733	27.723.593	16.291.309	9.582.144	7.454.215	12.978.850	8.761.276
44	9.505.131	24.043.657	9.510.718	8.012.367	30.073.569	17.842.605	10.723.001	8.652.868	14.442.144	9.949.710
45	11.034.144	26.334.839	10.907.422	9.446.183	32.565.930	19.487.728	11.932.661	9.923.591	15.993.742	11.209.714
46	12.657.674	28.770.675	12.390.719	10.968.354	35.216.855	21.236.893	13.218.084	11.273.097	17.642.733	12.548.259
47	14.382.170	31.360.888	13.966.505	12.584.920	38.036.946	23.097.087	14.584.393	12.706.750	19.395.689	13.970.672
48	16.212.497	34.111.136	15.639.087	14.300.596	41.031.703	25.072.276	16.034.903	14.228.468	21.256.750	15.480.610
49	18.157.402	37.036.109	17.416.590	16.123.438	44.217.738	27.173.100	17.577.051	15.845.643	23.235.565	17.085.623
50	20.224.928	40.147.944	19.306.365	18.060.979	47.608.292	29.408.280	19.217.228	17.564.964	25.340.339	18.792.356
51	22.427.758	43.467.678	21.320.171	20.124.927	51.227.057	31.793.040	20.966.133	19.397.128	27.584.936	20.611.701
52	24.768.033	46.995.435	23.459.704	22.317.572	55.072.937	34.327.287	22.824.450	21.343.679	29.970.019	22.544.756
53	27.265.037	50.764.523	25.742.950	24.656.593	59.183.930	37.035.199	24.808.879	23.420.980	32.517.316	24.608.364
54	29.927.487	54.786.740	28.177.767	27.150.279	63.572.369	39.925.174	26.925.903	25.636.181	35.235.057	26.809.438
55	32.769.508	59.084.342	30.777.149	29.811.779	68.262.876	43.013.246	29.187.050	28.001.102	38.138.101	29.159.848
56	35.807.842	63.683.002	33.556.494	32.656.674	73.284.623	46.318.409	31.605.976	30.529.755	41.244.055	31.673.665
57	39.042.133	68.580.580	36.515.173	35.684.961	78.031.681	49.837.489	34.181.226	33.221.567	44.550.800	34.349.818
58	42.510.738	73.838.861	39.688.757	38.932.031	84.375.932	53.616.640	36.945.200	36.108.899	48.100.336	37.221.275