

Quarterly 100% PBGC Int Rate:

2.50%

Effective for Associates w/Termination Date(s) in Months of:

01/01/10 02/01/10 03/01/10

Multiply annual benefit by the factor to get the lump sum value

Immediate Lump Sum Factors

Yrs/Mths	0	1	2	3	4	5	6	7	8	9	10	11
16	30.20960	30.19173	30.17385	30.15598	30.13810	30.12023	30.10235	30.08448	30.06660	30.04873	30.03085	30.01298
17	29.99510	29.97669	29.95828	29.93988	29.92147	29.90306	29.88465	29.86624	29.84783	29.82943	29.81102	29.79261
18	29.77420	29.75523	29.73625	29.71728	29.69830	29.67933	29.66035	29.64138	29.62240	29.60343	29.58445	29.56548
19	29.54650	29.52695	29.50740	29.48785	29.46830	29.44875	29.42920	29.40965	29.39010	29.37055	29.35100	29.33145
20	29.31190	29.29173	29.27155	29.25138	29.23120	29.21103	29.19085	29.17068	29.15050	29.13033	29.11015	29.08998
21	29.06980	29.04899	29.02818	29.00738	28.98657	28.96576	28.94495	28.92414	28.90333	28.88253	28.86172	28.84091
22	28.82010	28.79863	28.77717	28.75570	28.73423	28.71277	28.69130	28.66983	28.64837	28.62690	28.60543	28.58397
23	28.56250	28.54034	28.51818	28.49603	28.47387	28.45171	28.42955	28.40739	28.38523	28.36308	28.34092	28.31876
24	28.29660	28.27382	28.25103	28.22825	28.20547	28.18268	28.15990	28.13712	28.11433	28.09155	28.06877	28.04598
25	28.02320	27.99977	27.97633	27.95290	27.92947	27.90603	27.88260	27.85917	27.83573	27.81230	27.78887	27.76543
26	27.74200	27.71791	27.69382	27.66973	27.64563	27.62154	27.59745	27.57336	27.54927	27.52518	27.50108	27.47699
27	27.45290	27.42813	27.40335	27.37858	27.35380	27.32903	27.30425	27.27948	27.25470	27.22993	27.20515	27.18038
28	27.15560	27.13013	27.10465	27.07918	27.05370	27.02823	27.00275	26.97728	26.95180	26.92633	26.90085	26.87538
29	26.84990	26.82381	26.79772	26.77163	26.74553	26.71944	26.69335	26.66726	26.64117	26.61508	26.58898	26.56289
30	26.53680	26.51009	26.48338	26.45668	26.42997	26.40326	26.37655	26.34984	26.32313	26.29643	26.26972	26.24301
31	26.21630	26.18896	26.16162	26.13428	26.10693	26.07959	26.05225	26.02491	25.99757	25.97023	25.94288	25.91554
32	25.88820	25.86022	25.83223	25.80425	25.77627	25.74828	25.72030	25.69232	25.66433	25.63635	25.60837	25.58038
33	25.55240	25.52376	25.49512	25.46648	25.43783	25.40919	25.38055	25.35191	25.32327	25.29463	25.26598	25.23734
34	25.20870	25.17949	25.15028	25.12108	25.09187	25.06266	25.03345	25.00424	24.97503	24.94583	24.91662	24.88741
35	24.85820	24.82843	24.79867	24.76890	24.73913	24.70937	24.67960	24.64983	24.62007	24.59030	24.56053	24.53077
36	24.50100	24.47068	24.44037	24.41005	24.37973	24.34942	24.31910	24.28878	24.25847	24.22815	24.19783	24.16752
37	24.13720	24.10634	24.07548	24.04463	24.01377	23.98291	23.95205	23.92119	23.89033	23.85948	23.82862	23.79776
38	23.76690	23.73552	23.70413	23.67275	23.64137	23.60998	23.57860	23.54722	23.51583	23.48445	23.45307	23.42168
39	23.39030	23.35838	23.32645	23.29453	23.26260	23.23068	23.19875	23.16683	23.13490	23.10298	23.07105	23.03913
40	23.00720	22.97476	22.94232	22.90988	22.87743	22.84499	22.81255	22.78011	22.74767	22.71523	22.68278	22.65034
41	22.61790	22.58496	22.55202	22.51908	22.48613	22.45319	22.42025	22.38731	22.35437	22.32143	22.28848	22.25554
42	22.22260	22.18918	22.15575	22.12233	22.08890	22.05548	22.02205	21.98863	21.95520	21.92178	21.88835	21.85493
43	21.82150	21.78764	21.75378	21.71993	21.68607	21.65221	21.61835	21.58449	21.55063	21.51678	21.48292	21.44906
44	21.41520	21.38088	21.34657	21.31225	21.27793	21.24362	21.20930	21.17498	21.14067	21.10635	21.07203	21.03772
45	21.00340	20.96868	20.93395	20.89923	20.86450	20.82978	20.79505	20.76033	20.72560	20.69088	20.65615	20.62143
46	20.58670	20.55161	20.51652	20.48143	20.44633	20.41124	20.37615	20.34106	20.30597	20.27088	20.23578	20.20069
47	20.16560	20.13018	20.09477	20.05935	20.02393	19.98852	19.95310	19.91768	19.88227	19.84685	19.81143	19.77602
48	19.74060	19.70490	19.66920	19.63350	19.59780	19.56210	19.52640	19.49070	19.45500	19.41930	19.38360	19.34790
49	19.31220	19.27620	19.24020	19.20420	19.16820	19.13220	19.09620	19.06020	19.02420	18.98820	18.95220	18.91620

Quarterly 100% PBGC Int Rate:

2.50%

Effective for Associates w/Termination Date(s) in Months of:

01/01/10

02/01/10

03/01/10

Multiply annual benefit by the factor to get the lump sum value

Deferred Lump Sum Factors

Yrs/Mths	0	1	2	3	4	5	6	7	8	9	10	11
16	1.40560	1.41046	1.41532	1.42018	1.42503	1.42989	1.43475	1.43961	1.44447	1.44933	1.45418	1.45904
17	1.46390	1.46896	1.47402	1.47908	1.48413	1.48919	1.49425	1.49931	1.50437	1.50943	1.51448	1.51954
18	1.52460	1.52987	1.53513	1.54040	1.54567	1.55093	1.55620	1.56147	1.56673	1.57200	1.57727	1.58253
19	1.58780	1.59328	1.59875	1.60423	1.60970	1.61518	1.62065	1.62613	1.63160	1.63708	1.64255	1.64803
20	1.65350	1.65920	1.66490	1.67060	1.67630	1.68200	1.68770	1.69340	1.69910	1.70480	1.71050	1.71620
21	1.72190	1.72783	1.73377	1.73970	1.74563	1.75157	1.75750	1.76343	1.76937	1.77530	1.78123	1.78717
22	1.79310	1.79927	1.80543	1.81160	1.81777	1.82393	1.83010	1.83627	1.84243	1.84860	1.85477	1.86093
23	1.86710	1.87351	1.87992	1.88633	1.89273	1.89914	1.90555	1.91196	1.91837	1.92478	1.93118	1.93759
24	1.94400	1.95068	1.95735	1.96403	1.97070	1.97738	1.98405	1.99073	1.99740	2.00408	2.01075	2.01743
25	2.02410	2.03105	2.03800	2.04495	2.05190	2.05885	2.06580	2.07275	2.07970	2.08665	2.09360	2.10055
26	2.10750	2.11473	2.12195	2.12918	2.13640	2.14363	2.15085	2.15808	2.16530	2.17253	2.17975	2.18698
27	2.19420	2.20173	2.20925	2.21678	2.22430	2.23183	2.23935	2.24688	2.25440	2.26193	2.26945	2.27698
28	2.28450	2.29232	2.30013	2.30795	2.31577	2.32358	2.33140	2.33922	2.34703	2.35485	2.36267	2.37048
29	2.37830	2.38646	2.39462	2.40278	2.41093	2.41909	2.42725	2.43541	2.44357	2.45173	2.45988	2.46804
30	2.47620	2.48469	2.49318	2.50168	2.51017	2.51866	2.52715	2.53564	2.54413	2.55263	2.56112	2.56961
31	2.57810	2.58695	2.59580	2.60465	2.61350	2.62235	2.63120	2.64005	2.64890	2.65775	2.66660	2.67545
32	2.68430	2.69352	2.70273	2.71195	2.72117	2.73038	2.73960	2.74882	2.75803	2.76725	2.77647	2.78568
33	2.79490	2.80451	2.81412	2.82373	2.83333	2.84294	2.85255	2.86216	2.87177	2.88138	2.89098	2.90059
34	2.91020	2.92023	2.93027	2.94030	2.95033	2.96037	2.97040	2.98043	2.99047	3.00050	3.01053	3.02057
35	3.03060	3.04107	3.05153	3.06200	3.07247	3.08293	3.09340	3.10387	3.11433	3.12480	3.13527	3.14573
36	3.15620	3.16713	3.17807	3.18900	3.19993	3.21087	3.22180	3.23273	3.24367	3.25460	3.26553	3.27647
37	3.28740	3.29883	3.31025	3.32168	3.33310	3.34453	3.35595	3.36738	3.37880	3.39023	3.40165	3.41308
38	3.42450	3.43645	3.44840	3.46035	3.47230	3.48425	3.49620	3.50815	3.52010	3.53205	3.54400	3.55595
39	3.56790	3.58040	3.59290	3.60540	3.61790	3.63040	3.64290	3.65540	3.66790	3.68040	3.69290	3.70540
40	3.71790	3.73098	3.74405	3.75713	3.77020	3.78328	3.79635	3.80943	3.82250	3.83558	3.84865	3.86173
41	3.87480	3.88850	3.90220	3.91590	3.92960	3.94330	3.95700	3.97070	3.98440	3.99810	4.01180	4.02550
42	4.03920	4.05356	4.06792	4.08228	4.09663	4.11099	4.12535	4.13971	4.15407	4.16843	4.18278	4.19714
43	4.21150	4.22658	4.24165	4.25673	4.27180	4.28688	4.30195	4.31703	4.33210	4.34718	4.36225	4.37733
44	4.39240	4.40823	4.42405	4.43988	4.45570	4.47153	4.48735	4.50318	4.51900	4.53483	4.55065	4.56648
45	4.58230	4.59893	4.61557	4.63220	4.64883	4.66547	4.68210	4.69873	4.71537	4.73200	4.74863	4.76527
46	4.78190	4.79940	4.81690	4.83440	4.85190	4.86940	4.88690	4.90440	4.92190	4.93940	4.95690	4.97440
47	4.99190	5.01036	5.02882	5.04728	5.06573	5.08419	5.10265	5.12111	5.13957	5.15803	5.17648	5.19494
48	5.21340	5.23288	5.25237	5.27185	5.29133	5.31082	5.33030	5.34978	5.36927	5.38875	5.40823	5.42772
49	5.44720	5.46778	5.48835	5.50893	5.52950	5.55008	5.57065	5.59123	5.61180	5.63238	5.65295	5.67353

Quarterly 100% PBGC Int Rate:

2.50%

Quarterly 120% PBGC Int Rate:

3.00%

Effective for Associates w/Termination Date(s) in Months of:

01/01/10

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Multiply annual benefit by the factor to get the lump sum value

Immediate Lump Sum Factors

Yrs/Mths	0	1	2	3	4	5	6	7	8	9	10	11
16	27.14040	27.12685	27.11330	27.09974	27.08619	27.07264	27.05909	27.04554	27.03199	27.01844	27.00489	26.99134
17	26.97780	26.96375	26.94972	26.93569	26.92166	26.90763	26.89360	26.87958	26.86555	26.85152	26.83749	26.82346
18	26.80940	26.79489	26.78035	26.76581	26.75128	26.73674	26.72220	26.70767	26.69313	26.67859	26.66406	26.64952
19	26.63500	26.61991	26.60484	26.58977	26.57470	26.55963	26.54456	26.52949	26.51442	26.49935	26.48428	26.46921
20	26.45410	26.43851	26.42288	26.40724	26.39161	26.37598	26.36035	26.34471	26.32908	26.31345	26.29782	26.28218
21	26.26660	26.25033	26.23411	26.21789	26.20167	26.18545	26.16923	26.15301	26.13679	26.12057	26.10435	26.08813
22	26.07190	26.05508	26.03824	26.02141	26.00458	25.98775	25.97091	25.95408	25.93725	25.92041	25.90358	25.88675
23	25.86990	25.85244	25.83497	25.81749	25.80002	25.78255	25.76508	25.74760	25.73013	25.71266	25.69519	25.67771
24	25.66020	25.64218	25.62413	25.60607	25.58801	25.56996	25.55190	25.53384	25.51579	25.49773	25.47967	25.46162
25	25.44360	25.42490	25.40623	25.38757	25.36891	25.35025	25.33158	25.31292	25.29426	25.27559	25.25693	25.23827
26	25.21960	25.20031	25.18102	25.16173	25.14244	25.12315	25.10386	25.08457	25.06528	25.04599	25.02670	25.00740
27	24.98810	24.96817	24.94823	24.92829	24.90834	24.88840	24.86846	24.84852	24.82858	24.80863	24.78869	24.76875
28	24.74880	24.72819	24.70758	24.68696	24.66635	24.64573	24.62512	24.60450	24.58389	24.56327	24.54266	24.52204
29	24.50140	24.48022	24.45902	24.43781	24.41661	24.39541	24.37420	24.35300	24.33179	24.31059	24.28939	24.26818
30	24.24700	24.22517	24.20336	24.18156	24.15975	24.13794	24.11613	24.09433	24.07252	24.05071	24.02891	24.00710
31	23.98530	23.96287	23.94044	23.91802	23.89559	23.87316	23.85074	23.82831	23.80589	23.78346	23.76104	23.73861
32	23.71620	23.69312	23.67006	23.64700	23.62394	23.60088	23.57782	23.55476	23.53170	23.50864	23.48557	23.46251
33	23.43950	23.41574	23.39203	23.36832	23.34460	23.32089	23.29718	23.27347	23.24976	23.22605	23.20233	23.17862
34	23.15490	23.13063	23.10635	23.08207	23.05779	23.03351	23.00923	22.98495	22.96067	22.93639	22.91212	22.88784
35	22.86360	22.83871	22.81386	22.78902	22.76417	22.73932	22.71448	22.68963	22.66479	22.63994	22.61509	22.59025
36	22.56540	22.53999	22.51458	22.48917	22.46376	22.43835	22.41294	22.38753	22.36212	22.33671	22.31130	22.28590
37	22.26050	22.23452	22.20855	22.18258	22.15661	22.13064	22.10468	22.07871	22.05274	22.02677	22.00080	21.97483
38	21.94890	21.92235	21.89583	21.86932	21.84280	21.81628	21.78977	21.76325	21.73673	21.71021	21.68370	21.65718
39	21.63070	21.60359	21.57651	21.54943	21.52235	21.49528	21.46820	21.44112	21.41404	21.38696	21.35989	21.33281
40	21.30570	21.27810	21.25048	21.22285	21.19522	21.16759	21.13996	21.11234	21.08471	21.05708	21.02945	21.00183
41	20.97420	20.94604	20.91787	20.88971	20.86155	20.83339	20.80523	20.77707	20.74891	20.72074	20.69258	20.66442
42	20.63630	20.60758	20.57891	20.55023	20.52155	20.49288	20.46420	20.43552	20.40684	20.37817	20.34949	20.32081
43	20.29210	20.26297	20.23380	20.20464	20.17547	20.14630	20.11714	20.08797	20.05880	20.02964	20.00047	19.97131
44	19.94210	19.91248	19.88281	19.85315	19.82349	19.79383	19.76416	19.73450	19.70484	19.67518	19.64552	19.61585
45	19.58620	19.55606	19.52593	19.49580	19.46568	19.43555	19.40542	19.37529	19.34516	19.31503	19.28490	19.25477
46	19.22460	19.19409	19.16353	19.13297	19.10241	19.07185	19.04129	19.01073	18.98017	18.94961	18.91906	18.88850
47	18.85790	18.82699	18.79605	18.76511	18.73416	18.70322	18.67228	18.64133	18.61039	18.57945	18.54850	18.51756
48	18.48660	18.45532	18.42402	18.39272	18.36142	18.33012	18.29882	18.26753	18.23623	18.20493	18.17363	18.14233
49	18.11100	18.07936	18.04768	18.01601	17.98433	17.95266	17.92098	17.88931	17.85763	17.82596	17.79428	17.76261

Quarterly 100% PBGC Int Rate:

2.50%

Quarterly 120% PBGC Int Rate:

3.00%

Effective for Associates w/Termination Date(s) in Months of:

01/01/10

02/01/10

03/01/10

Multiply annual benefit by the factor to get the lump sum value

Deferred Lump Sum Factors

Yrs/Mths	0	1	2	3	4	5	6	7	8	9	10	11
16	0.92600	0.92982	0.93363	0.93745	0.94127	0.94508	0.94890	0.95272	0.95653	0.96035	0.96417	0.96798
17	0.97180	0.97581	0.97982	0.98383	0.98783	0.99184	0.99585	0.99986	1.00387	1.00788	1.01188	1.01589
18	1.01990	1.02410	1.02830	1.03250	1.03670	1.04090	1.04510	1.04930	1.05350	1.05770	1.06190	1.06610
19	1.07030	1.07471	1.07912	1.08353	1.08793	1.09234	1.09675	1.10116	1.10557	1.10998	1.11438	1.11879
20	1.12320	1.12783	1.13245	1.13708	1.14170	1.14633	1.15095	1.15558	1.16020	1.16483	1.16945	1.17408
21	1.17870	1.18354	1.18838	1.19323	1.19807	1.20291	1.20775	1.21259	1.21743	1.22228	1.22712	1.23196
22	1.23680	1.24188	1.24697	1.25205	1.25713	1.26222	1.26730	1.27238	1.27747	1.28255	1.28763	1.29272
23	1.29780	1.30312	1.30843	1.31375	1.31907	1.32438	1.32970	1.33502	1.34033	1.34565	1.35097	1.35628
24	1.36160	1.36718	1.37277	1.37835	1.38393	1.38952	1.39510	1.40068	1.40627	1.41185	1.41743	1.42302
25	1.42860	1.43446	1.44032	1.44618	1.45203	1.45789	1.46375	1.46961	1.47547	1.48133	1.48718	1.49304
26	1.49890	1.50504	1.51118	1.51733	1.52347	1.52961	1.53575	1.54189	1.54803	1.55418	1.56032	1.56646
27	1.57260	1.57904	1.58548	1.59193	1.59837	1.60481	1.61125	1.61769	1.62413	1.63058	1.63702	1.64346
28	1.64990	1.65665	1.66340	1.67015	1.67690	1.68365	1.69040	1.69715	1.70390	1.71065	1.71740	1.72415
29	1.73090	1.73799	1.74508	1.75218	1.75927	1.76636	1.77345	1.78054	1.78763	1.79473	1.80182	1.80891
30	1.81600	1.82343	1.83087	1.83830	1.84573	1.85317	1.86060	1.86803	1.87547	1.88290	1.89033	1.89777
31	1.90520	1.91302	1.92083	1.92865	1.93647	1.94428	1.95210	1.95992	1.96773	1.97555	1.98337	1.99118
32	1.99900	2.00720	2.01540	2.02360	2.03180	2.04000	2.04820	2.05640	2.06460	2.07280	2.08100	2.08920
33	2.09740	2.10601	2.11462	2.12323	2.13183	2.14044	2.14905	2.15766	2.16627	2.17488	2.18348	2.19209
34	2.20070	2.20975	2.21880	2.22785	2.23690	2.24595	2.25500	2.26405	2.27310	2.28215	2.29120	2.30025
35	2.30930	2.31883	2.32835	2.33788	2.34740	2.35693	2.36645	2.37598	2.38550	2.39503	2.40455	2.41408
36	2.42360	2.43362	2.44363	2.45365	2.46367	2.47368	2.48370	2.49372	2.50373	2.51375	2.52377	2.53378
37	2.54380	2.55433	2.56487	2.57540	2.58593	2.59647	2.60700	2.61753	2.62807	2.63860	2.64913	2.65967
38	2.67020	2.68130	2.69240	2.70350	2.71460	2.72570	2.73680	2.74790	2.75900	2.77010	2.78120	2.79230
39	2.80340	2.81509	2.82678	2.83848	2.85017	2.86186	2.87355	2.88524	2.89693	2.90863	2.92032	2.93201
40	2.94370	2.95603	2.96835	2.98068	2.99300	3.00533	3.01765	3.02998	3.04230	3.05463	3.06695	3.07928
41	3.09160	3.10460	3.11760	3.13060	3.14360	3.15660	3.16960	3.18260	3.19560	3.20860	3.22160	3.23460
42	3.24760	3.26132	3.27503	3.28875	3.30247	3.31618	3.32990	3.34362	3.35733	3.37105	3.38477	3.39848
43	3.41220	3.42669	3.44118	3.45568	3.47017	3.48466	3.49915	3.51364	3.52813	3.54263	3.55712	3.57161
44	3.58610	3.60142	3.61673	3.63205	3.64737	3.66268	3.67800	3.69332	3.70863	3.72395	3.73927	3.75458
45	3.76990	3.78610	3.80230	3.81850	3.83470	3.85090	3.86710	3.88330	3.89950	3.91570	3.93190	3.94810
46	3.96430	3.98147	3.99863	4.01580	4.03297	4.05013	4.06730	4.08447	4.10163	4.11880	4.13597	4.15313
47	4.17030	4.18852	4.20673	4.22495	4.24317	4.26138	4.27960	4.29782	4.31603	4.33425	4.35247	4.37068
48	4.38890	4.40823	4.42757	4.44690	4.46623	4.48557	4.50490	4.52423	4.54357	4.56290	4.58223	4.60157
49	4.62090	4.64146	4.66202	4.68258	4.70313	4.72369	4.74425	4.76481	4.78537	4.80593	4.82648	4.84704

Quarterly 30 Yr GATT Int Rate:

4.31%

Effective for Associates w/Benefit Commencement Date(s):

01/01/10

02/01/10

03/01/10

Multiply annual benefit by the factor to get the lump sum value

Immediate Lump Sum Factors

Yrs/Mths	0	1	2	3	4	5	6	7	8	9	10	11
16	22.08920	22.08353	22.07787	22.07220	22.06653	22.06087	22.05520	22.04953	22.04387	22.03820	22.03253	22.02687
17	22.02120	22.01531	22.00942	22.00353	21.99763	21.99174	21.98585	21.97996	21.97407	21.96818	21.96228	21.95639
18	21.95050	21.94437	21.93823	21.93210	21.92597	21.91983	21.91370	21.90757	21.90143	21.89530	21.88917	21.88303
19	21.87690	21.87051	21.86412	21.85773	21.85133	21.84494	21.83855	21.83216	21.82577	21.81938	21.81298	21.80659
20	21.80020	21.79353	21.78687	21.78020	21.77353	21.76687	21.76020	21.75353	21.74687	21.74020	21.73353	21.72687
21	21.72020	21.71326	21.70632	21.69938	21.69243	21.68549	21.67855	21.67161	21.66467	21.65773	21.65078	21.64384
22	21.63690	21.62967	21.62243	21.61520	21.60797	21.60073	21.59350	21.58627	21.57903	21.57180	21.56457	21.55733
23	21.55010	21.54258	21.53505	21.52753	21.52000	21.51248	21.50495	21.49743	21.48990	21.48238	21.47485	21.46733
24	21.45980	21.45198	21.44415	21.43633	21.42850	21.42068	21.41285	21.40503	21.39720	21.38938	21.38155	21.37373
25	21.36590	21.35776	21.34962	21.34148	21.33333	21.32519	21.31705	21.30891	21.30077	21.29263	21.28448	21.27634
26	21.26820	21.25974	21.25128	21.24283	21.23437	21.22591	21.21745	21.20899	21.20053	21.19208	21.18362	21.17516
27	21.16670	21.15789	21.14908	21.14028	21.13147	21.12266	21.11385	21.10504	21.09623	21.08743	21.07862	21.06981
28	21.06100	21.05183	21.04267	21.03350	21.02433	21.01517	21.00600	20.99683	20.98767	20.97850	20.96933	20.96017
29	20.95100	20.94146	20.93192	20.92238	20.91283	20.90329	20.89375	20.88421	20.87467	20.86513	20.85558	20.84604
30	20.83650	20.82658	20.81667	20.80675	20.79683	20.78692	20.77700	20.76708	20.75717	20.74725	20.73733	20.72742
31	20.71750	20.70724	20.69698	20.68673	20.67647	20.66621	20.65595	20.64569	20.63543	20.62518	20.61492	20.60466
32	20.59440	20.58377	20.57313	20.56250	20.55187	20.54123	20.53060	20.51997	20.50933	20.49870	20.48807	20.47743
33	20.46680	20.45579	20.44478	20.43378	20.42277	20.41176	20.40075	20.38974	20.37873	20.36773	20.35672	20.34571
34	20.33470	20.32328	20.31185	20.30043	20.28900	20.27758	20.26615	20.25473	20.24330	20.23188	20.22045	20.20903
35	20.19760	20.18576	20.17392	20.16208	20.15023	20.13839	20.12655	20.11471	20.10287	20.09103	20.07918	20.06734
36	20.05550	20.04321	20.03092	20.01863	20.00633	19.99404	19.98175	19.96946	19.95717	19.94488	19.93258	19.92029
37	19.90800	19.89523	19.88247	19.86970	19.85693	19.84417	19.83140	19.81863	19.80587	19.79310	19.78033	19.76757
38	19.75480	19.74152	19.72823	19.71495	19.70167	19.68838	19.67510	19.66182	19.64853	19.63525	19.62197	19.60868
39	19.59540	19.58158	19.56775	19.55393	19.54010	19.52628	19.51245	19.49863	19.48480	19.47098	19.45715	19.44333
40	19.42950	19.41513	19.40077	19.38640	19.37203	19.35767	19.34330	19.32893	19.31457	19.30020	19.28583	19.27147
41	19.25710	19.24216	19.22722	19.21228	19.19733	19.18239	19.16745	19.15251	19.13757	19.12263	19.10768	19.09274
42	19.07780	19.06228	19.04675	19.03123	19.01570	19.00018	18.98465	18.96913	18.95360	18.93808	18.92255	18.90703
43	18.89150	18.87538	18.85925	18.84313	18.82700	18.81088	18.79475	18.77863	18.76250	18.74638	18.73025	18.71413
44	18.69800	18.68126	18.66452	18.64778	18.63103	18.61429	18.59755	18.58081	18.56407	18.54733	18.53058	18.51384
45	18.49710	18.47971	18.46232	18.44493	18.42753	18.41014	18.39275	18.37536	18.35797	18.34058	18.32318	18.30579
46	18.28840	18.27032	18.25223	18.23415	18.21607	18.19798	18.17990	18.16182	18.14373	18.12565	18.10757	18.08948
47	18.07140	18.05261	18.03382	18.01503	17.99623	17.97744	17.95865	17.93986	17.92107	17.90228	17.88348	17.86469
48	17.84590	17.82639	17.80688	17.78738	17.76787	17.74836	17.72885	17.70934	17.68983	17.67033	17.65082	17.63131
49	17.61180	17.59155	17.57130	17.55105	17.53080	17.51055	17.49030	17.47005	17.44980	17.42955	17.40930	17.38905

Quarterly 30 Yr GATT Int Rate:

4.31%

Effective for Associates w/Benefit Commencement Date(s):

01/01/10 02/01/10 03/01/10

Multiply annual benefit by the factor to get the lump sum value

Deferred Lump Sum Factors

Yrs/Mths	0	1	2	3	4	5	6	7	8	9	10	11
16	1.50160	1.50702	1.51243	1.51785	1.52327	1.52868	1.53410	1.53952	1.54493	1.55035	1.55577	1.56118
17	1.56660	1.57225	1.57790	1.58355	1.58920	1.59485	1.60050	1.60615	1.61180	1.61745	1.62310	1.62875
18	1.63440	1.64029	1.64618	1.65208	1.65797	1.66386	1.66975	1.67564	1.68153	1.68743	1.69332	1.69921
19	1.70510	1.71125	1.71740	1.72355	1.72970	1.73585	1.74200	1.74815	1.75430	1.76045	1.76660	1.77275
20	1.77890	1.78531	1.79172	1.79813	1.80453	1.81094	1.81735	1.82376	1.83017	1.83658	1.84298	1.84939
21	1.85580	1.86250	1.86920	1.87590	1.88260	1.88930	1.89600	1.90270	1.90940	1.91610	1.92280	1.92950
22	1.93620	1.94318	1.95017	1.95715	1.96413	1.97112	1.97810	1.98508	1.99207	1.99905	2.00603	2.01302
23	2.02000	2.02729	2.03458	2.04188	2.04917	2.05646	2.06375	2.07104	2.07833	2.08563	2.09292	2.10021
24	2.10750	2.11510	2.12270	2.13030	2.13790	2.14550	2.15310	2.16070	2.16830	2.17590	2.18350	2.19110
25	2.19870	2.20664	2.21458	2.22253	2.23047	2.23841	2.24635	2.25429	2.26223	2.27018	2.27812	2.28606
26	2.29400	2.30229	2.31058	2.31888	2.32717	2.33546	2.34375	2.35204	2.36033	2.36863	2.37692	2.38521
27	2.39350	2.40215	2.41080	2.41945	2.42810	2.43675	2.44540	2.45405	2.46270	2.47135	2.48000	2.48865
28	2.49730	2.50633	2.51535	2.52438	2.53340	2.54243	2.55145	2.56048	2.56950	2.57853	2.58755	2.59658
29	2.60560	2.61502	2.62443	2.63385	2.64327	2.65268	2.66210	2.67152	2.68093	2.69035	2.69977	2.70918
30	2.71860	2.72843	2.73827	2.74810	2.75793	2.76777	2.77760	2.78743	2.79727	2.80710	2.81693	2.82677
31	2.83660	2.84688	2.85715	2.86743	2.87770	2.88798	2.89825	2.90853	2.91880	2.92908	2.93935	2.94963
32	2.95990	2.97063	2.98137	2.99210	3.00283	3.01357	3.02430	3.03503	3.04577	3.05650	3.06723	3.07797
33	3.08870	3.09991	3.11112	3.12233	3.13353	3.14474	3.15595	3.16716	3.17837	3.18958	3.20078	3.21199
34	3.22320	3.23491	3.24662	3.25833	3.27003	3.28174	3.29345	3.30516	3.31687	3.32858	3.34028	3.35199
35	3.36370	3.37594	3.38818	3.40043	3.41267	3.42491	3.43715	3.44939	3.46163	3.47388	3.48612	3.49836
36	3.51060	3.52338	3.53615	3.54893	3.56170	3.57448	3.58725	3.60003	3.61280	3.62558	3.63835	3.65113
37	3.66390	3.67725	3.69060	3.70395	3.71730	3.73065	3.74400	3.75735	3.77070	3.78405	3.79740	3.81075
38	3.82410	3.83804	3.85198	3.86593	3.87987	3.89381	3.90775	3.92169	3.93563	3.94958	3.96352	3.97746
39	3.99140	4.00597	4.02053	4.03510	4.04967	4.06423	4.07880	4.09337	4.10793	4.12250	4.13707	4.15163
40	4.16620	4.18141	4.19662	4.21183	4.22703	4.24224	4.25745	4.27266	4.28787	4.30308	4.31828	4.33349
41	4.34870	4.36459	4.38048	4.39638	4.41227	4.42816	4.44405	4.45994	4.47583	4.49173	4.50762	4.52351
42	4.53940	4.55601	4.57262	4.58923	4.60583	4.62244	4.63905	4.65566	4.67227	4.68888	4.70548	4.72209
43	4.73870	4.75606	4.77342	4.79078	4.80813	4.82549	4.84285	4.86021	4.87757	4.89493	4.91228	4.92964
44	4.94700	4.96514	4.98328	5.00143	5.01957	5.03771	5.05585	5.07399	5.09213	5.11028	5.12842	5.14656
45	5.16470	5.18367	5.20263	5.22160	5.24057	5.25953	5.27850	5.29747	5.31643	5.33540	5.35437	5.37333
46	5.39230	5.41213	5.43195	5.45178	5.47160	5.49143	5.51125	5.53108	5.55090	5.57073	5.59055	5.61038
47	5.63020	5.65093	5.67167	5.69240	5.71313	5.73387	5.75460	5.77533	5.79607	5.81680	5.83753	5.85827
48	5.87900	5.90068	5.92237	5.94405	5.96573	5.98742	6.00910	6.03078	6.05247	6.07415	6.09583	6.11752
49	6.13920	6.16188	6.18457	6.20725	6.22993	6.25262	6.27530	6.29798	6.32067	6.34335	6.36603	6.38872

Rate:	3.13%	5.07%	5.50%
	1st Sgmnt	2nd Sgmnt	3rd Sgmnt

Effective w/Benefit Commencement Date(s):	01/01/10	02/01/10	03/01/10
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Adjusted by the factor to get the lump sum value

Mortality Interest	GATT	PPA (with 40% Phase-in)	
	417e2010	417e2010	Yield Curve
4.31%			
1st Sgmnt	0	3.13%	2.35%
2nd Sgmnt	5	5.07%	5.57%
3rd Sgmnt	20	5.50%	6.29%

In 2008, the Pension Protection Act (PPA) changed the IRS rules for determining a minimum lump sum pension distribution. The PPA methodology is based on the 417e2010 interest rates that apply for your pension plan, and the results are compared with the value determined through the other interest rate calculations to determine which results in the highest amount. The three Minimum Present Value Segment Rates are released monthly by the IRS.

The PPA uses three segment rates derived from a corporate bond yield curve. Each segment rate is used to determine the present value of a participant's benefit for a specified period. The first segment rate applies to the first 5 years after pension commencement; the second to years 5.5 to 20; and the third beyond.

The PPA specified that the three segment rates will be phased in from 2008 - 2011, gradually replacing the 30-year Treasury rate.

PPA Segment	30-Year Treasury
Rate Weight	Rate Weight
20%	80%
40%	60%
60%	40%
80%	20%
100%	0%

Present Value Factors

1	2	3	4	5	6	7	8	9	10	11
18.65618	18.65327	18.65035	18.64743	18.64452	18.64160	18.63868	18.63577	18.63285	18.62993	18.62702
18.62103	18.61797	18.61490	18.61183	18.60877	18.60570	18.60263	18.59957	18.59650	18.59343	18.59037
18.58407	18.58083	18.57760	18.57437	18.57113	18.56790	18.56467	18.56143	18.55820	18.55497	18.55173
18.54510	18.54170	18.53830	18.53490	18.53150	18.52810	18.52470	18.52130	18.51790	18.51450	18.51110
18.50412	18.50053	18.49695	18.49337	18.48978	18.48620	18.48262	18.47903	18.47545	18.47187	18.46828
18.46093	18.45715	18.45338	18.44960	18.44583	18.44205	18.43828	18.43450	18.43073	18.42695	18.42318
18.41543	18.41145	18.40748	18.40350	18.39953	18.39555	18.39158	18.38760	18.38363	18.37965	18.37568
18.36753	18.36335	18.35918	18.35500	18.35083	18.34665	18.34248	18.33830	18.33413	18.32995	18.32578
18.31721	18.31282	18.30843	18.30403	18.29964	18.29525	18.29086	18.28647	18.28208	18.27768	18.27329
18.26428	18.25967	18.25505	18.25043	18.24582	18.24120	18.23658	18.23197	18.22735	18.22273	18.21812
18.20867	18.20383	18.19900	18.19417	18.18933	18.18450	18.17967	18.17483	18.17000	18.16517	18.16033
18.15042	18.14533	18.14025	18.13517	18.13008	18.12500	18.11992	18.11483	18.10975	18.10467	18.09958
18.08915	18.08380	18.07845	18.07310	18.06775	18.06240	18.05705	18.05170	18.04635	18.04100	18.03565
18.02467	18.01903	18.01340	18.00777	18.00213	17.99650	17.99087	17.98523	17.97960	17.97397	17.96833

ite:	3.13%	5.07%	5.50%
	1st Sgmnt	2nd Sgmnt	3rd Sgmnt

es w/Benefit Commencement Date(s):	01/01/10	02/01/10	03/01/10
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t by the factor to get the lump sum value

Mortality Interest	GATT	PPA (with 40% Phase-in)	Yield Curve
	417e2010	417e2010	
4.31%			
1st Sgmnt		0	3.13%
2nd Sgmnt		5	5.07%
3rd Sgmnt		20	5.50%

17.95679	17.95088	17.94498	17.93907	17.93316	17.92725	17.92134	17.91543	17.90953	17.90362	17.89771
17.88564	17.87948	17.87333	17.86717	17.86101	17.85485	17.84869	17.84253	17.83638	17.83022	17.82406
17.81146	17.80502	17.79858	17.79213	17.78569	17.77925	17.77281	17.76637	17.75993	17.75348	17.74704
17.73388	17.72715	17.72043	17.71370	17.70698	17.70025	17.69353	17.68680	17.68008	17.67335	17.66663
17.65286	17.64582	17.63878	17.63173	17.62469	17.61765	17.61061	17.60357	17.59653	17.58948	17.58244
17.56803	17.56067	17.55330	17.54593	17.53857	17.53120	17.52383	17.51647	17.50910	17.50173	17.49437
17.47928	17.47157	17.46385	17.45613	17.44842	17.44070	17.43298	17.42527	17.41755	17.40983	17.40212
17.38630	17.37820	17.37010	17.36200	17.35390	17.34580	17.33770	17.32960	17.32150	17.31340	17.30530
17.28868	17.28017	17.27165	17.26313	17.25462	17.24610	17.23758	17.22907	17.22055	17.21203	17.20352
17.18604	17.17708	17.16813	17.15917	17.15021	17.14125	17.13229	17.12333	17.11438	17.10542	17.09646
17.07809	17.06868	17.05928	17.04987	17.04046	17.03105	17.02164	17.01223	17.00283	16.99342	16.98401
16.96470	16.95480	16.94490	16.93500	16.92510	16.91520	16.90530	16.89540	16.88550	16.87560	16.86570
16.84541	16.83502	16.82463	16.81423	16.80384	16.79345	16.78306	16.77267	16.76228	16.75188	16.74149
16.72019	16.70928	16.69838	16.68747	16.67656	16.66565	16.65474	16.64383	16.63293	16.62202	16.61111
16.58876	16.57732	16.56588	16.55443	16.54299	16.53155	16.52011	16.50867	16.49723	16.48578	16.47434
16.45087	16.43883	16.42680	16.41477	16.40273	16.39070	16.37867	16.36663	16.35460	16.34257	16.33053
16.30586	16.29322	16.28058	16.26793	16.25529	16.24265	16.23001	16.21737	16.20473	16.19208	16.17944
16.15352	16.14023	16.12695	16.11367	16.10038	16.08710	16.07382	16.06053	16.04725	16.03397	16.02068
15.99346	15.97952	15.96558	15.95163	15.93769	15.92375	15.90981	15.89587	15.88193	15.86798	15.85404
15.82546	15.81082	15.79618	15.78153	15.76689	15.75225	15.73761	15.72297	15.70833	15.69368	15.67904
15.64907	15.63373	15.61840	15.60307	15.58773	15.57240	15.55707	15.54173	15.52640	15.51107	15.49573
15.46430	15.44820	15.43210	15.41600	15.39990	15.38380	15.36770	15.35160	15.33550	15.31940	15.30330
15.27036	15.25352	15.23668	15.21983	15.20299	15.18615	15.16931	15.15247	15.13563	15.11878	15.10194
15.06753	15.04995	15.03238	15.01480	14.99723	14.97965	14.96208	14.94450	14.92693	14.90935	14.89178
14.85588	14.83757	14.81925	14.80093	14.78262	14.76430	14.74598	14.72767	14.70935	14.69103	14.67272
14.63545	14.61650	14.59755	14.57860	14.55965	14.54070	14.52175	14.50280	14.48385	14.46490	14.44595
14.40751	14.38802	14.36853	14.34903	14.32954	14.31005	14.29056	14.27107	14.25158	14.23208	14.21259
14.17295	14.15280	14.13265	14.11250	14.09235	14.07220	14.05205	14.03190	14.01175	13.99160	13.97145
13.93048	13.90967	13.88885	13.86803	13.84722	13.82640	13.80558	13.78477	13.76395	13.74313	13.72232
13.67999	13.65848	13.63698	13.61547	13.59396	13.57245	13.55094	13.52943	13.50793	13.48642	13.46491
13.42124	13.39908	13.37693	13.35477	13.33261	13.31045	13.28829	13.26613	13.24398	13.22182	13.19966
13.15483	13.13215	13.10948	13.08680	13.06413	13.04145	13.01878	12.99610	12.97343	12.95075	12.92808
12.88219	12.85898	12.83578	12.81257	12.78936	12.76615	12.74294	12.71973	12.69653	12.67332	12.65011
12.60333	12.57975	12.55618	12.53260	12.50903	12.48545	12.46188	12.43830	12.41473	12.39115	12.36758
12.31989	12.29578	12.27168	12.24757	12.22346	12.19935	12.17524	12.15113	12.12703	12.10292	12.07881

3.13%	2.35%
5.07%	5.57%
5.50%	6.29%

Rate:	3.13%	5.07%	5.50%
	1st Sgmnt	2nd Sgmnt	3rd Sgmnt

Assumptions w/Benefit Commencement Date(s):	01/01/10	02/01/10	03/01/10
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Adjusted by the factor to get the lump sum value

Mortality Interest	GATT	PPA (with 40% Phase-in)	Yield Curve	
	417e2010	417e2010		
4.31%				
1st Sgmnt		0		3.13% 2.35%
2nd Sgmnt		5		5.07% 5.57%
3rd Sgmnt		20		5.50% 6.29%

12.03012	12.00553	11.98095	11.95637	11.93178	11.90720	11.88262	11.85803	11.83345	11.80887	11.78428
11.73482	11.70993	11.68505	11.66017	11.63528	11.61040	11.58552	11.56063	11.53575	11.51087	11.48598
11.43572	11.41033	11.38495	11.35957	11.33418	11.30880	11.28342	11.25803	11.23265	11.20727	11.18188
11.13048	11.10445	11.07843	11.05240	11.02638	11.00035	10.97433	10.94830	10.92228	10.89625	10.87023
10.81763	10.79105	10.76448	10.73790	10.71133	10.68475	10.65818	10.63160	10.60503	10.57845	10.55188
10.49807	10.47083	10.44360	10.41637	10.38913	10.36190	10.33467	10.30743	10.28020	10.25297	10.22573
10.17067	10.14283	10.11500	10.08717	10.05933	10.03150	10.00367	9.97583	9.94800	9.92017	9.89233
9.83628	9.80805	9.77983	9.75160	9.72338	9.69515	9.66693	9.63870	9.61048	9.58225	9.55403
9.49713	9.46845	9.43978	9.41110	9.38243	9.35375	9.32508	9.29640	9.26773	9.23905	9.21038
9.15274	9.12378	9.09483	9.06587	9.03691	9.00795	8.97899	8.95003	8.92108	8.89212	8.86316
8.80501	8.77582	8.74663	8.71743	8.68824	8.65905	8.62986	8.60067	8.57148	8.54228	8.51309
8.45445	8.42500	8.39555	8.36610	8.33665	8.30720	8.27775	8.24830	8.21885	8.18940	8.15995
8.10121	8.07192	8.04263	8.01333	7.98404	7.95475	7.92546	7.89617	7.86688	7.83758	7.80829
7.74978	7.72055	7.69133	7.66210	7.63288	7.60365	7.57443	7.54520	7.51598	7.48675	7.45753
7.39923	7.37017	7.34110	7.31203	7.28297	7.25390	7.22483	7.19577	7.16670	7.13763	7.10857

Quarterly PPA Int Rate:

3.13%	5.07%	5.50%
1st Sgmnt	2nd Sgmnt	3rd Sgmnt

Effective for Associates w/Benefit Commencement Date(s):

01/01/10	02/01/10	03/01/10
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Multiply annual benefit by the factor to get the lump sum value

	GATT	PPA (with 40% Phase-in)	
Mortality	417e2010	417e2010	
Interest	4.31%	Yield Curve	
	1st Sgmnt	0	3.13% 2.35%
	2nd Sgmnt	5	5.07% 5.57%
	3rd Sgmnt	20	5.50% 6.29%

Effective January 1, 2008, the Pension Protection Act (PPA) changed the IRS rules for determining a minimum lump sum pension distribution. The PPA method based on the new PPA interest rates that apply for your pension plan, and the results are compared with the value determined through the other interest rate c for your plan to determine which results in the highest amount. The three Minimum Present Value Segment Rates are released monthly by the IRS.

The PPA calculation uses three segment rates derived from a corporate bond yield curve. Each segment rate is used to determine the present value of a partic single life annuity benefit for a specified period. The first segment rate applies to the first 5 years after pension commencement; the second to years 5.5 to 20; third to years 20.5 and beyond.

In addition, the PPA specified that the three segment rates will be phased in from 2008 - 2011, gradually replacing the 30-year Treasury rate.

Plan Year Beginning In	PPA Segment	30-Year Treasury
	Rate Weight	Rate Weight
2008	20%	80%
2009	40%	60%
2010	60%	40%
2011	80%	20%
2012	100%	0%

Deferred Lump Sum Factors

Yrs/Mths	0	1	2	3	4	5	6	7	8	9	10	11
16	0.77760	0.78118	0.78475	0.78833	0.79190	0.79548	0.79905	0.80263	0.80620	0.80978	0.81335	0.81693
17	0.82050	0.82427	0.82803	0.83180	0.83557	0.83933	0.84310	0.84687	0.85063	0.85440	0.85817	0.86193
18	0.86570	0.86968	0.87367	0.87765	0.88163	0.88562	0.88960	0.89358	0.89757	0.90155	0.90553	0.90952
19	0.91350	0.91770	0.92190	0.92610	0.93030	0.93450	0.93870	0.94290	0.94710	0.95130	0.95550	0.95970
20	0.96390	0.96833	0.97277	0.97720	0.98163	0.98607	0.99050	0.99493	0.99937	1.00380	1.00823	1.01267
21	1.01710	1.02178	1.02645	1.03113	1.03580	1.04048	1.04515	1.04983	1.05450	1.05918	1.06385	1.06853
22	1.07320	1.07814	1.08308	1.08803	1.09297	1.09791	1.10285	1.10779	1.11273	1.11768	1.12262	1.12756
23	1.13250	1.13771	1.14292	1.14813	1.15333	1.15854	1.16375	1.16896	1.17417	1.17938	1.18458	1.18979
24	1.19500	1.20050	1.20600	1.21150	1.21700	1.22250	1.22800	1.23350	1.23900	1.24450	1.25000	1.25550
25	1.26100	1.26680	1.27260	1.27840	1.28420	1.29000	1.29580	1.30160	1.30740	1.31320	1.31900	1.32480
26	1.33060	1.33673	1.34285	1.34898	1.35510	1.36123	1.36735	1.37348	1.37960	1.38573	1.39185	1.39798
27	1.40410	1.41057	1.41703	1.42350	1.42997	1.43643	1.44290	1.44937	1.45583	1.46230	1.46877	1.47523
28	1.48170	1.48853	1.49535	1.50218	1.50900	1.51583	1.52265	1.52948	1.53630	1.54313	1.54995	1.55678
29	1.56360	1.57081	1.57802	1.58523	1.59243	1.59964	1.60685	1.61406	1.62127	1.62848	1.63568	1.64289

Quarterly PPA Int Rate:

3.13%	5.07%	5.50%
1st Sgmnt	2nd Sgmnt	3rd Sgmnt

Effective for Associates w/Benefit Commencement Date(s):

01/01/10	02/01/10	03/01/10
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Multiply annual benefit by the factor to get the lump sum value

	GATT	PPA (with 40% Phase-in)	
Mortality	417e2010	417e2010	
Interest	4.31%	Yield Curve	
	1st Sgmnt	0	3.13% 2.35%
	2nd Sgmnt	5	5.07% 5.57%
	3rd Sgmnt	20	5.50% 6.29%

30	1.65010	1.65771	1.66532	1.67293	1.68053	1.68814	1.69575	1.70336	1.71097	1.71858	1.72618	1.73379
31	1.74140	1.74943	1.75747	1.76550	1.77353	1.78157	1.78960	1.79763	1.80567	1.81370	1.82173	1.82977
32	1.83780	1.84628	1.85477	1.86325	1.87173	1.88022	1.88870	1.89718	1.90567	1.91415	1.92263	1.93112
33	1.93960	1.94857	1.95753	1.96650	1.97547	1.98443	1.99340	2.00237	2.01133	2.02030	2.02927	2.03823
34	2.04720	2.05667	2.06613	2.07560	2.08507	2.09453	2.10400	2.11347	2.12293	2.13240	2.14187	2.15133
35	2.16080	2.17080	2.18080	2.19080	2.20080	2.21080	2.22080	2.23080	2.24080	2.25080	2.26080	2.27080
36	2.28080	2.29137	2.30193	2.31250	2.32307	2.33363	2.34420	2.35477	2.36533	2.37590	2.38647	2.39703
37	2.40760	2.41877	2.42993	2.44110	2.45227	2.46343	2.47460	2.48577	2.49693	2.50810	2.51927	2.53043
38	2.54160	2.55339	2.56518	2.57698	2.58877	2.60056	2.61235	2.62414	2.63593	2.64773	2.65952	2.67131
39	2.68310	2.69555	2.70800	2.72045	2.73290	2.74535	2.75780	2.77025	2.78270	2.79515	2.80760	2.82005
40	2.83250	2.84565	2.85880	2.87195	2.88510	2.89825	2.91140	2.92455	2.93770	2.95085	2.96400	2.97715
41	2.99030	3.00419	3.01808	3.03198	3.04587	3.05976	3.07365	3.08754	3.10143	3.11533	3.12922	3.14311
42	3.15700	3.17168	3.18637	3.20105	3.21573	3.23042	3.24510	3.25978	3.27447	3.28915	3.30383	3.31852
43	3.33320	3.34872	3.36423	3.37975	3.39527	3.41078	3.42630	3.44182	3.45733	3.47285	3.48837	3.50388
44	3.51940	3.53580	3.55220	3.56860	3.58500	3.60140	3.61780	3.63420	3.65060	3.66700	3.68340	3.69980
45	3.71620	3.73582	3.75543	3.77505	3.79467	3.81428	3.83390	3.85352	3.87313	3.89275	3.91237	3.93198
46	3.95160	3.97218	3.99277	4.01335	4.03393	4.05452	4.07510	4.09568	4.11627	4.13685	4.15743	4.17802
47	4.19860	4.22019	4.24178	4.26338	4.28497	4.30656	4.32815	4.34974	4.37133	4.39293	4.41452	4.43611
48	4.45770	4.48038	4.50305	4.52573	4.54840	4.57108	4.59375	4.61643	4.63910	4.66178	4.68445	4.70713
49	4.72980	4.75361	4.77742	4.80123	4.82503	4.84884	4.87265	4.89646	4.92027	4.94408	4.96788	4.99169
50	5.01550	5.04052	5.06553	5.09055	5.11557	5.14058	5.16560	5.19062	5.21563	5.24065	5.26567	5.29068
51	5.31570	5.34198	5.36825	5.39453	5.42080	5.44708	5.47335	5.49963	5.52590	5.55218	5.57845	5.60473
52	5.63100	5.65863	5.68627	5.71390	5.74153	5.76917	5.79680	5.82443	5.85207	5.87970	5.90733	5.93497
53	5.96260	5.99169	6.02078	6.04988	6.07897	6.10806	6.13715	6.16624	6.19533	6.22443	6.25352	6.28261
54	6.31170	6.34235	6.37300	6.40365	6.43430	6.46495	6.49560	6.52625	6.55690	6.58755	6.61820	6.64885
55	6.67950	6.71187	6.74423	6.77660	6.80897	6.84133	6.87370	6.90607	6.93843	6.97080	7.00317	7.03553
56	7.06790	7.10218	7.13647	7.17075	7.20503	7.23932	7.27360	7.30788	7.34217	7.37645	7.41073	7.44502
57	7.47930	7.51559	7.55188	7.58818	7.62447	7.66076	7.69705	7.73334	7.76963	7.80593	7.84222	7.87851
58	7.91480	7.95327	7.99173	8.03020	8.06867	8.10713	8.14560	8.18407	8.22253	8.26100	8.29947	8.33793
59	8.37640	8.41721	8.45802	8.49883	8.53963	8.58044	8.62125	8.66206	8.70287	8.74368	8.78448	8.82529
60	8.86610	8.91509	8.96408	9.01308	9.06207	9.11106	9.16005	9.20904	9.25803	9.30703	9.35602	9.40501
61	9.45400	9.50484	9.55568	9.60653	9.65737	9.70821	9.75905	9.80989	9.86073	9.91158	9.96242	10.01326
62	10.06410	10.11698	10.16985	10.22273	10.27560	10.32848	10.38135	10.43423	10.48710	10.53998	10.59285	10.64573
63	10.69860	10.75385	10.80910	10.86435	10.91960	10.97485	11.03010	11.08535	11.14060	11.19585	11.25110	11.30635
64	11.36160	11.41936	11.47712	11.53488	11.59263	11.65039	11.70815	11.76591	11.82367	11.88143	11.93918	11.99694

