





M\β	9,5	10	10,5	11	11,5	12	12,5	13	13,5
1	no	no	no	no	no	no	no	no	no
1,1	no	no	no	no	no	no	no	no	no
1,2	no	no	no	no	no	no	no	no	no
1,3	no	no	no	no	no	no	no	no	no
1,4	no	no	no	no	no	no	no	no	no
1,5	no	no	no	no	no	no	no	no	no
1,6	no	no	no	no	no	no	no	no	no
1,7	no	no	no	no	no	no	no	no	no
1,8	no	no	no	no	no	no	no	no	no
1,9	no	no	no	no	no	no	no	no	no
2	no	no	no	no	no	no	no	no	no
2,1	no	no	no	no	no	no	no	no	no
2,2	no	no	no	no	no	no	no	no	no
2,3	no	no	no	no	no	no	no	no	no
2,4	no	no	no	no	no	no	no	no	no
2,5	no	no	no	no	no	no	no	no	no
2,6	no	no	no	no	no	no	no	no	no
2,7	no	no	no	no	no	no	no	no	no
2,8	no	no	no	no	no	no	no	no	no
2,9	no	no	no	no	no	no	no	no	no
3	no	no	no	no	no	no	no	no	no
3,1	no	no	no	no	no	no	no	no	no
3,2	no	no	no	no	no	no	no	no	no
3,3	no	no	no	no	no	no	no	no	no
3,4	no	no	no	no	no	no	no	no	no
3,5	no	no	no	no	no	no	no	no	no
3,6	no	no	no	no	no	no	no	no	no
3,7	no	no	no	no	no	no	no	no	no
3,8	no	no	no	no	no	no	no	no	no
3,9	no	no	no	no	no	no	no	no	no
4	no	no	no	no	no	no	no	no	no
4,1	no	no	no	no	no	no	no	no	no
4,2	no	no	no	no	no	no	no	no	no
4,3	no	no	no	no	no	no	no	no	0,082254
4,4	no	no	no	no	no	no	no	no	0,566904
4,5	no	no	no	no	no	no	no	0,252621	1,021313
4,6	no	no	no	no	no	no	no	0,69348	1,44786
4,7	no	no	no	no	no	no	0,340029	1,107848	1,848706
4,8	no	no	no	no	no	no	0,743684	1,49774	2,225817
4,9	no	no	no	no	no	0,354918	1,12396	1,864993	2,58098
5	no	no	no	no	no	0,726856	1,482578	2,21128	2,915824
5,1	no	no	no	no	0,305607	1,078014	1,821111	2,538129	3,231836
5,2	no	no	no	no	0,650441	1,409871	2,140994	2,846936	3,530372
5,3	no	no	no	0,198658	0,976673	1,723782	2,443542	3,138977	3,812672
5,4	no	no	no	0,520301	1,285586	2,020991	2,72996	3,41542	4,079873
5,5	no	no	0,039146	0,825176	1,578356	2,302636	3,001352	3,677338	4,333013
5,6	no	no	0,340949	1,114403	1,856065	2,569765	3,258734	3,925713	4,573047
5,7	no	no	0,627535	1,389012	2,11971	2,823342	3,503036	4,161449	4,80085
5,8	no	0,115713	0,899888	1,649953	2,370208	3,064251	3,735116	4,385376	5,017229
5,9	no	0,386676	1,158916	1,898101	2,608403	3,293311	3,955765	4,59826	5,222926
6	no	0,644607	1,405459	2,134266	2,835076	3,511273	4,16571	4,800806	5,418623

M\β	14	14,5	15	15,5	16	16,5	17	17,5	18
1	no	no	no	no	no	no	no	no	no
1,1	no	no	no	no	no	no	no	no	no
1,2	no	no	no	no	no	no	no	no	no
1,3	no	no	no	no	no	no	no	no	no
1,4	no	no	no	no	no	no	no	no	no
1,5	no	no	no	no	no	no	no	no	no
1,6	no	no	no	no	no	no	no	no	no
1,7	no	no	no	no	no	no	no	no	no
1,8	no	no	no	no	no	no	no	no	no
1,9	no	no	no	no	no	no	no	no	no
2	no	no	no	no	no	no	no	no	no
2,1	no	no	no	no	no	no	no	no	no
2,2	no	no	no	no	no	no	no	no	no
2,3	no	no	no	no	no	no	no	no	no
2,4	no	no	no	no	no	no	no	no	no
2,5	no	no	no	no	no	no	no	no	no
2,6	no	no	no	no	no	no	no	no	no
2,7	no	no	no	no	no	no	no	no	no
2,8	no	no	no	no	no	no	no	no	no
2,9	no	no	no	no	no	no	no	no	no
3	no	no	no	no	no	no	no	no	no
3,1	no	no	no	no	no	no	no	no	no
3,2	no	no	no	no	no	no	no	no	no
3,3	no	no	no	no	no	no	no	no	0,540073
3,4	no	no	no	no	no	no	no	0,595355	1,33025
3,5	no	no	no	no	no	no	0,602948	1,340873	2,059446
3,6	no	no	no	no	no	0,566479	1,308307	2,030121	2,733427
3,7	no	no	no	no	0,489051	1,235708	1,961594	2,668327	3,357354
3,8	no	no	no	0,373287	1,125768	1,85661	2,56756	3,260173	3,935841
3,9	no	no	0,221378	0,980755	1,717502	2,433511	3,130463	3,809854	4,473019
4	no	0,035111	0,802551	1,546229	2,268204	2,970299	3,654128	4,32113	4,972587
4,1	no	0,592673	1,344402	2,073327	2,78143	3,470466	4,141987	4,797374	5,437859
4,2	0,352295	1,113308	1,850257	2,565311	3,260382	3,937154	4,597122	5,241614	5,871812
4,3	0,85392	1,600078	2,323116	3,025125	3,707943	4,373193	5,022311	5,656574	6,277117
4,4	1,323591	2,055753	2,765692	3,455423	4,126715	4,781131	5,420051	6,044703	6,656179
4,5	1,763871	2,482839	3,180437	3,858605	4,519048	5,163269	5,792597	6,408212	7,011164
4,6	2,177084	2,883608	3,56957	4,236841	4,887064	5,521685	6,141983	6,749093	7,344026
4,7	2,56534	3,260117	3,935102	4,592098	5,232685	5,858259	6,470049	7,06915	7,65653
4,8	2,930554	3,614238	4,27886	4,926157	5,557654	6,174694	6,778463	7,370011	7,950274
4,9	3,274469	3,947669	4,6025	5,240637	5,863552	6,472536	7,068734	7,653157	8,226706
5	3,598672	4,261957	4,90753	5,53701	6,151813	6,753188	7,342235	7,919929	8,487138
5,1	3,90461	4,55851	5,195324	5,816614	6,423747	7,017926	7,600212	8,171547	8,732765
5,2	4,193601	4,838613	5,467133	6,08067	6,680543	7,267913	7,843803	8,409121	8,964673
5,3	4,466853	5,103439	5,724101	6,330292	6,923288	7,504209	8,074043	8,633665	9,183852
5,4	4,725468	5,354063	5,967272	6,566499	7,152975	7,727784	8,291879	8,846103	9,391208
5,5	4,970457	5,591467	6,197602	6,790221	7,370513	7,939523	8,498174	9,047281	9,587566
5,6	5,202747	5,816551	6,415968	7,002312	7,576732	8,140239	8,693722	9,237971	9,773682
5,7	5,423188	6,030143	6,623175	7,203556	7,772396	8,330674	8,879249	9,418883	9,950251
5,8	5,632562	6,233002	6,819962	7,394671	7,958207	8,511512	9,055421	9,590669	10,11791
5,9	5,831589	6,425827	7,007007	7,57632	8,134807	8,683382	9,222852	9,753927	10,27724
6	6,020932	6,609263	7,184938	7,749111	8,302791	8,846862	9,382105	9,909208	10,42878

M\β	18,5	19	19,5	20	20,5	21	21,5	22	22,5
1	no	no	no	no	no	no	no	no	no
1,1	no	no	no	no	no	no	no	no	no
1,2	no	no	no	no	no	no	no	no	no
1,3	no	no	no	no	no	no	no	no	no
1,4	no	no	no	no	no	no	no	no	no
1,5	no	no	no	no	no	no	no	no	no
1,6	no	no	no	no	no	no	no	no	no
1,7	no	no	no	no	no	no	no	no	no
1,8	no	no	no	no	no	no	no	no	no
1,9	no	no	no	no	no	no	no	no	no
2	no	no	no	no	no	no	no	no	no
2,1	no	no	no	no	no	no	no	no	no
2,2	no	no	no	no	no	no	no	no	no
2,3	no	no	no	no	no	no	no	no	no
2,4	no	no	no	no	no	no	no	no	no
2,5	no	no	no	no	no	no	no	no	no
2,6	no	no	no	no	no	no	no	no	no
2,7	no	no	no	no	no	no	no	0,373931	1,077028
2,8	no	no	no	no	no	0,10911	0,825462	1,526084	2,211845
2,9	no	no	no	no	0,478984	1,193623	1,892361	2,576108	3,245698
3	no	no	0,042606	0,773337	1,486909	2,184367	2,866669	3,534688	4,189226
3,1	no	0,268938	0,999579	1,712747	2,409544	3,090979	3,757968	4,411351	5,051895
3,2	0,43289	1,164178	1,877621	2,574389	3,255543	3,922049	4,574787	5,214561	5,842103
3,3	1,272768	1,987188	2,684572	3,366042	4,032618	4,685225	5,324705	5,951827	6,567293
3,4	2,04637	2,745033	3,42743	4,094638	4,747632	5,3873	6,014448	6,629809	7,234056
3,5	2,760074	3,444023	4,112437	4,766346	5,406688	6,03431	6,649983	7,254409	7,848229
3,6	3,419577	4,089787	4,745153	5,386663	6,015214	6,631617	7,236609	7,830861	8,414985
3,7	4,029973	4,68735	5,330537	5,96048	6,578037	7,183986	7,77903	8,36381	8,938911
3,8	4,595809	5,241196	5,873009	6,492156	7,099458	7,695657	8,281428	8,857383	9,42408
3,9	5,121154	5,755331	6,376516	6,98558	7,583306	8,170407	8,747527	9,315252	9,874113
4	5,609646	6,233336	6,844583	7,44422	8,033	8,611602	9,180645	9,740686	10,29224
4,1	6,064545	6,678417	7,280363	7,871182	8,451594	9,022251	9,583743	10,1366	10,68132
4,2	6,488773	7,093446	7,68668	8,269241	8,84182	9,405041	9,959469	10,50562	11,04395
4,3	6,884956	7,481001	8,066068	8,640889	9,206129	9,762384	10,3102	10,85005	11,38241
4,4	7,255454	7,8434	8,420802	8,988363	9,546718	10,09644	10,63805	11,17201	11,69876
4,5	7,60239	8,182728	8,75293	9,313673	9,865565	10,40916	10,94494	11,47338	11,99486
4,6	7,927681	8,500864	9,064298	9,618631	10,16445	10,70228	11,2326	11,75583	12,27238
4,7	8,233058	8,799506	9,35657	9,904873	10,44498	10,97739	11,50256	12,02091	12,53282
4,8	8,520085	9,080189	9,631252	10,17388	10,7086	11,2359	11,75623	12,26999	12,77752
4,9	8,790182	9,344302	9,889708	10,42698	10,95663	11,47912	11,99489	12,50431	13,00773
5	9,044634	9,593106	10,13317	10,66539	11,19025	11,70821	12,21968	12,72501	13,22454
5,1	9,28461	9,827746	10,36277	10,89021	11,41056	11,92423	12,43163	12,9331	13,42897
5,2	9,511174	10,04927	10,57952	11,10245	11,61852	12,12815	12,63171	13,12953	13,62194
5,3	9,725295	10,25861	10,78435	11,30302	11,81505	12,32084	12,82076	13,31514	13,80427
5,4	9,927859	10,45665	10,97812	11,49274	12,00094	12,50311	12,99959	13,4907	13,97673
5,5	10,11967	10,64418	11,1616	11,67238	12,17696	12,67569	13,16891	13,65692	14,14001
5,6	10,30148	10,82192	11,33549	11,84264	12,34377	12,83924	13,32937	13,81445	14,29475
5,7	10,47395	10,99053	11,50045	12,00415	12,50201	12,99439	13,48158	13,96388	14,44153
5,8	10,63772	11,15062	11,65708	12,1575	12,65225	13,14169	13,62609	14,10574	14,58088
5,9	10,79335	11,30276	11,80591	12,30322	12,79502	13,28166	13,76341	14,24054	14,71329
6	10,94137	11,44746	11,94747	12,4418	12,9308	13,41477	13,894	14,36874	14,83921

M\β	23	23,5	24	24,5	25	25,5	26	26,5	27
1	no	no	no	no	no	no	no	no	no
1,1	no	no	no	no	no	no	no	no	no
1,2	no	no	no	no	no	no	no	no	no
1,3	no	no	no	no	no	no	no	no	no
1,4	no	no	no	no	no	no	no	no	no
1,5	no	no	no	no	no	no	no	no	no
1,6	no	no	no	no	no	no	no	no	no
1,7	no	no	no	no	no	no	no	no	no
1,8	no	no	no	no	no	no	no	no	no
1,9	no	no	no	no	no	no	no	no	no
2	no	no	no	no	no	no	no	no	no
2,1	no	no	no	no	no	no	no	no	no
2,2	no	no	no	no	no	no	no	no	no
2,3	no	no	no	no	no	no	0,307538	0,97111	1,622381
2,4	no	no	no	no	0,513584	1,185492	1,844646	2,491584	3,126802
2,5	no	no	0,58545	1,266579	1,934407	2,589534	3,232518	3,863875	4,484085
2,6	0,535478	1,226925	1,904408	2,568603	3,220133	3,859578	4,487472	5,104313	5,71056
2,7	1,765361	2,439693	3,100729	3,749117	4,385459	5,010308	5,624178	6,227545	6,820846
2,8	2,883542	3,54191	4,187625	4,821309	5,443537	6,054841	6,655711	7,246599	7,827924
2,9	3,901899	4,545413	5,176889	5,796923	6,406065	7,00482	7,593656	8,173005	8,743265
3	4,831017	5,460735	6,078999	6,686378	7,283397	7,870538	8,448247	9,016933	9,576975
3,1	5,680302	6,297216	6,903229	7,498884	8,08468	8,661077	9,228497	9,787332	10,33794
3,2	6,458085	7,063123	7,65778	8,242574	8,817981	9,384437	9,942346	10,49208	11,03397
3,3	7,171742	7,765763	8,349893	8,924624	9,49041	10,04767	10,59678	11,13809	11,67193
3,4	7,827798	8,411596	8,985962	9,551366	10,10824	10,65698	11,19794	11,73146	12,25786
3,5	8,432025	9,006332	9,571638	10,12839	10,677	11,21784	11,75126	12,27757	12,79706
3,6	8,989537	9,555026	10,11192	10,66064	11,20158	11,73509	12,26151	12,78113	13,29424
3,7	9,504863	10,06215	10,61122	11,15248	11,68629	12,213	12,73292	13,24634	13,75352
3,8	9,982025	10,53168	11,07347	11,60779	12,13497	12,65536	13,16924	13,67689	14,17856
3,9	10,4246	10,96714	11,50215	12,03	12,55102	13,06552	13,57378	14,07606	14,5726
4	10,83576	11,37167	11,90036	12,42218	12,93745	13,44646	13,94949	14,44677	14,93854
4,1	11,21834	11,74806	12,27085	12,78704	13,29695	13,80084	14,29898	14,79161	15,27892
4,2	11,57489	12,09882	12,61609	13,12702	13,63192	14,13103	14,62461	15,11288	15,59604
4,3	11,90765	12,42616	12,93828	13,44429	13,9445	14,43914	14,92845	15,41265	15,89192
4,4	12,21868	12,73211	13,23939	13,7408	14,23661	14,72707	15,21238	15,69277	16,16841
4,5	12,50978	13,01845	13,52119	14,01829	14,50998	14,99651	15,47808	15,9549	16,42713
4,6	12,7826	13,2868	13,78529	14,27832	14,76615	15,249	15,72706	16,20052	16,66956
4,7	13,03862	13,53862	14,0331	14,52233	15,00653	15,48591	15,96067	16,43099	16,89701
4,8	13,27917	13,77521	14,26593	14,75158	15,23236	15,70848	16,18014	16,64749	17,1107
4,9	13,50546	13,99778	14,48495	14,96722	15,44478	15,91784	16,38658	16,85114	17,31169
5	13,71858	14,20739	14,69122	15,1703	15,64483	16,115	16,58098	17,04292	17,50096
5,1	13,91952	14,40502	14,8857	15,36177	15,83344	16,30089	16,76426	17,22372	17,67939
5,2	14,10919	14,59156	15,06925	15,54249	16,01146	16,47633	16,93725	17,39437	17,84781
5,3	14,28841	14,76781	15,24269	15,71324	16,17965	16,64209	17,10069	17,55559	18,00692
5,4	14,45792	14,93452	15,40673	15,87474	16,33873	16,79886	17,25526	17,70807	18,1574
5,5	14,61841	15,09235	15,56203	16,02764	16,48934	16,94728	17,40161	17,85243	18,29987
5,6	14,7705	15,24192	15,70921	16,17253	16,63206	17,08793	17,54028	17,98923	18,43487
5,7	14,91476	15,38379	15,8488	16,30996	16,76743	17,22134	17,67181	18,11897	18,56292
5,8	15,05173	15,51848	15,98133	16,44044	16,89594	17,34799	17,79669	18,24215	18,68448
5,9	15,18187	15,64647	16,10726	16,56441	17,01806	17,46832	17,91533	18,35919	18,79998
6	15,30563	15,76818	16,22702	16,68231	17,13418	17,58276	18,02816	18,47049	18,90982

M\β	27,5	28	28,5	29	29,5	30	30,5	31	31,5
1	no	no	no	no	no	no	no	no	no
1,1	no	no	no	no	no	no	no	no	no
1,2	no	no	no	no	no	no	no	no	no
1,3	no	no	no	no	no	no	no	no	no
1,4	no	no	no	no	no	no	no	no	no
1,5	no	no	no	no	no	no	no	no	no
1,6	no	no	no	no	no	no	no	no	no
1,7	no	no	no	no	no	no	no	no	no
1,8	no	no	no	no	no	no	no	no	no
1,9	no	no	no	no	no	no	no	no	no
2	no	no	no	no	no	no	0,619544	1,228388	1,826833
2,1	no	no	0,081239	0,718393	1,344311	1,959351	2,563853	3,158131	3,74248
2,2	0,608698	1,252693	1,88519	2,50659	3,117268	3,717574	4,307836	4,888359	5,459429
2,3	2,26183	2,889905	3,507023	4,113574	4,709918	5,296395	5,873319	6,440983	6,99966
2,4	3,750766	4,363907	4,966627	5,559299	6,142271	6,715867	7,280388	7,836113	8,383302
2,5	5,093594	5,692817	6,282138	6,861915	7,432479	7,994141	8,547185	9,091877	9,628464
2,6	6,306641	6,89295	7,469856	8,037699	8,596795	9,147436	9,689895	10,22442	10,75125
2,7	7,404491	7,978855	8,544288	9,101114	9,649632	10,19012	10,72284	11,24802	11,76588
2,8	8,400075	8,963409	9,518258	10,06493	10,60371	11,13485	11,65861	12,1752	12,68483
2,9	9,304805	9,857964	10,40306	10,94037	11,47018	11,99274	12,50826	13,01696	13,51903
3	10,12872	10,6725	11,2086	11,7373	12,25886	12,77351	13,28146	13,78291	14,27805
3,1	10,88065	11,41578	11,94359	12,46436	12,97832	13,48568	13,98667	14,48146	14,97022
3,2	11,56834	12,09548	12,61565	13,1291	13,63606	14,13673	14,6313	15,11995	15,60285
3,3	12,1986	12,71836	13,23148	13,73818	14,23868	14,73317	15,22183	15,70484	16,18233
3,4	12,7774	13,29035	13,79695	14,29742	14,79195	15,28074	15,76395	16,24175	16,71426
3,5	13,31001	13,81666	14,31723	14,81193	15,30096	15,78448	16,26265	16,73563	17,20355
3,6	13,80108	14,30189	14,79687	15,28624	15,77016	16,24881	16,72233	17,19085	17,65451
3,7	14,25469	14,75008	15,23989	15,72431	16,20351	16,67764	17,14684	17,61124	18,07096
3,8	14,67447	15,16483	15,64984	16,12966	16,60447	17,07441	17,5396	18,00018	18,45626
3,9	15,06362	15,5493	16,02984	16,5054	16,97614	17,44218	17,90365	18,36068	18,81336
4	15,42499	15,90633	16,38271	16,8543	17,32123	17,78365	18,24167	18,69539	19,14492
4,1	15,76113	16,2384	16,71091	17,17879	17,64219	18,10124	18,55603	19,00668	19,45327
4,2	16,07427	16,54776	17,01665	17,48108	17,94118	18,39707	18,84886	19,29664	19,7405
4,3	16,36645	16,8364	17,3019	17,76311	18,22013	18,67308	19,12206	19,56716	20,00846
4,4	16,63946	17,1061	17,56844	18,02662	18,48076	18,93096	19,37731	19,81991	20,25881
4,5	16,89493	17,35846	17,81784	18,27319	18,72463	19,17225	19,61615	20,05639	20,49306
4,6	17,13431	17,59492	18,05152	18,50422	18,95313	19,39833	19,83992	20,27797	20,71254
4,7	17,3589	17,81678	18,27077	18,72098	19,16751	19,61044	20,04986	20,48584	20,91844
4,8	17,56989	18,0252	18,47673	18,9246	19,36889	19,80969	20,24708	20,68112	21,11187
4,9	17,76834	18,22123	18,67045	19,11612	19,5583	19,9971	20,43257	20,86478	21,29379
5	17,95522	18,40582	18,85287	19,29646	19,73667	20,17357	20,60724	21,03773	21,46509
5,1	18,1314	18,57986	19,02485	19,46648	19,90481	20,33994	20,7719	21,20077	21,62659
5,2	18,29768	18,7441	19,18716	19,62694	20,06351	20,49695	20,92731	21,35464	21,779
5,3	18,45478	18,89928	19,34051	19,77853	20,21344	20,64528	21,07413	21,50002	21,92299
5,4	18,60336	19,04605	19,48554	19,92191	20,35524	20,78558	21,21298	21,6375	22,05918
5,5	18,74402	19,18499	19,62283	20,05764	20,48947	20,91839	21,34443	21,76766	22,1881
5,6	18,87732	19,31664	19,75294	20,18626	20,61668	21,04424	21,469	21,89099	22,31026
5,7	19,00374	19,44152	19,87634	20,30825	20,73732	21,1636	21,58714	22,00797	22,42613
5,8	19,12376	19,56007	19,99348	20,42406	20,85186	21,27692	21,6993	22,11902	22,53612
5,9	19,2378	19,67271	20,10479	20,5341	20,96068	21,38459	21,80586	22,22454	22,64064
6	19,34624	19,77982	20,21064	20,63873	21,06417	21,48698	21,9072	22,32487	22,74002

M\β	32	32,5	33	33,5	34	34,5	35	35,5	36
1	no	no	no	no	no	no	no	no	no
1,1	no	no	no	no	no	no	no	no	no
1,2	no	no	no	no	no	no	no	no	no
1,3	no	no	no	no	no	no	no	no	no
1,4	no	no	no	no	no	no	no	no	no
1,5	no	no	no	no	no	no	no	no	no
1,6	no	no	no	no	no	no	no	no	no
1,7	no	no	no	no	no	no	no	no	no
1,8	no	no	no	no	0,287993	0,854355	1,411155	1,958578	2,496793
1,9	0,29175	0,88411	1,466437	2,038967	2,601922	3,155509	3,699922	4,23534	4,76193
2	2,415165	2,993646	3,562527	4,122037	4,672393	5,213797	5,746434	6,27048	6,786093
2,1	4,317177	4,882478	5,438623	5,985836	6,524324	7,054281	7,575886	8,089303	8,594686
2,2	6,021309	6,574249	7,118476	7,654206	8,181637	8,700951	9,212319	9,715898	10,21183
2,3	7,549604	8,09105	8,624218	9,14931	9,666514	10,176	10,67794	11,17246	11,65972
2,4	8,922197	9,453021	9,975982	10,49127	10,99906	11,49952	11,9928	12,47904	12,95835
2,5	10,15717	10,67822	11,19179	11,69808	12,19724	12,68943	13,17479	13,65344	14,12551
2,6	11,2706	11,78266	12,28763	12,78566	13,27692	13,76154	14,23966	14,7114	15,17686
2,7	12,27663	12,78046	13,27753	13,768	14,25203	14,72974	15,20125	15,66667	16,12611
2,8	13,1877	13,68397	14,17381	14,65737	15,13478	15,60617	16,07164	16,53131	16,98525
2,9	14,01466	14,50401	14,98723	15,46446	15,93582	16,40142	16,86138	17,31578	17,76472
3	14,76704	15,25003	15,72718	16,1986	16,66442	17,12473	17,57964	18,02924	18,47359
3,1	15,45311	15,93027	16,40185	16,86795	17,32868	17,78415	18,23444	18,67963	19,11979
3,2	16,08013	16,55194	17,01839	17,4796	17,93567	18,38669	18,83274	19,2739	19,71022
3,3	16,65445	17,12132	17,58307	18,03978	18,49157	18,9385	19,38066	19,81811	20,25091
3,4	17,18162	17,64395	18,10135	18,55393	19,00177	19,44494	19,88351	20,31756	20,74712
3,5	17,66651	18,12465	18,57805	19,02681	19,47101	19,91071	20,34599	20,77689	21,20348
3,6	18,11342	18,56768	19,01739	19,46262	19,90345	20,33996	20,77219	21,2002	21,62403
3,7	18,52611	18,97679	19,42307	19,86504	20,30277	20,73631	21,16573	21,59107	22,01236
3,8	18,90792	19,35527	19,79838	20,23733	20,67218	21,10299	21,5298	21,95265	22,37159
3,9	19,26179	19,70606	20,14623	20,58237	21,01455	21,44281	21,86721	22,28777	22,70453
4	19,59034	20,03174	20,46917	20,90271	21,33241	21,75831	22,18046	22,59889	23,01362
4,1	19,89589	20,33461	20,7695	21,20062	21,628	22,05171	22,47177	22,88822	23,30107
4,2	20,1805	20,61674	21,04925	21,4781	21,90334	22,325	22,74311	23,15771	23,56881
4,3	20,44603	20,87993	21,31023	21,73697	22,1602	22,57995	22,99625	23,40912	23,81859
4,4	20,6941	21,12584	21,55407	21,97883	22,40019	22,81815	23,23275	23,64402	24,05196
4,5	20,92622	21,35591	21,7822	22,20513	22,62472	23,04102	23,45403	23,86379	24,27031
4,6	21,14369	21,57148	21,99595	22,41715	22,8351	23,24983	23,66136	24,06971	24,47489
4,7	21,34772	21,77372	22,19649	22,61606	23,03246	23,44572	23,85586	24,26289	24,66681
4,8	21,53938	21,9637	22,38486	22,80291	23,21786	23,62975	24,03857	24,44436	24,84711
4,9	21,71964	22,14238	22,56204	22,97865	23,39224	23,80282	24,21042	24,61504	25,01668
5	21,88938	22,31063	22,72887	23,14413	23,55644	23,9658	24,37224	24,77576	25,17636
5,1	22,0494	22,46924	22,88615	23,30013	23,71123	24,11944	24,52479	24,92727	25,32689
5,2	22,20042	22,61894	23,03458	23,44737	23,85732	24,26445	24,66876	25,07027	25,46896
5,3	22,3431	22,76036	23,17481	23,58646	23,99534	24,40144	24,80478	25,20536	25,60318
5,4	22,47804	22,89412	23,30744	23,71802	24,12587	24,531	24,93342	25,33313	25,73012
5,5	22,60578	23,02074	23,43299	23,84255	24,24944	24,65366	25,05521	25,45409	25,8503
5,6	22,72683	23,14072	23,55196	23,96056	24,36654	24,76988	25,17061	25,56871	25,96418
5,7	22,84164	23,25452	23,66481	24,07249	24,4776	24,88012	25,28006	25,67742	26,07219
5,8	22,95063	23,36256	23,77193	24,17875	24,58303	24,98477	25,38397	25,78063	26,17473
5,9	23,05419	23,46521	23,87371	24,27971	24,68321	25,08421	25,4827	25,87869	26,27216
6	23,15266	23,56282	23,9705	24,37572	24,77847	25,17876	25,57659	25,97194	26,36481



M\β	36,5	37	37,5	38	38,5	39	39,5	40	40,5
1	no	no	no	no	no	no	no	no	no
1,1	no	no	no	no	no	no	no	no	no
1,2	no	no	no	no	no	no	no	no	no
1,3	no	no	no	no	no	no	no	no	no
1,4	no	no	no	no	no	no	no	no	no
1,5	no	no	no	no	no	no	no	no	no
1,6	no	no	no	no	no	0,32097	0,818663	1,307542	1,787694
1,7	0,506148	1,037826	1,560408	2,074023	2,578792	3,074825	3,562222	4,041076	4,51147
1,8	3,025962	3,546231	4,057739	4,560611	5,054964	5,540904	6,018528	6,487923	6,949168
1,9	5,279848	5,789236	6,290227	6,782942	7,267492	7,743977	8,212488	8,673106	9,125905
2	7,293424	7,792608	8,28377	8,767026	9,242479	9,710222	10,17034	10,62291	11,06799
2,1	9,092176	9,5819	10,06398	10,53851	11,00561	11,46534	11,9178	12,36304	12,80113
2,2	10,70025	11,18127	11,65501	12,12157	12,58103	13,03347	13,47896	13,91757	14,34934
2,3	12,13982	12,61289	13,07902	13,5383	13,99081	14,43664	14,87583	15,30844	15,73452
2,4	13,43086	13,89667	14,35586	14,80853	15,25475	15,69458	16,12808	16,55529	16,97625
2,5	14,59109	15,05029	15,50319	15,94986	16,39037	16,82477	17,25312	17,67546	18,09181
2,6	15,63614	16,08932	16,53649	16,97772	17,41305	17,84255	18,26625	18,68419	19,09639
2,7	16,57965	17,02737	17,46933	17,90561	18,33626	18,76131	19,1808	19,59477	20,00324
2,8	17,43356	17,8763	18,31353	18,74532	19,1717	19,59273	20,00841	20,41879	20,82388
2,9	18,20825	18,64645	19,07938	19,50708	19,92959	20,34696	20,75919	21,16632	21,56835
3	18,91277	19,34683	19,77583	20,1998	20,6188	21,03283	21,44193	21,8461	22,24536
3,1	19,55498	19,98526	20,41067	20,83125	21,24703	21,65803	22,06427	22,46576	22,86251
3,2	20,14177	20,56858	20,99071	21,40819	21,82103	22,22926	22,6329	23,03194	23,42639
3,3	20,67911	21,10275	21,52187	21,9365	22,34666	22,75236	23,15361	23,55042	23,94278
3,4	21,17224	21,59297	22,00933	22,42135	22,82905	23,23243	23,6315	24,02626	24,41671
3,5	21,62577	22,04382	22,45764	22,86726	23,27269	23,67394	24,07101	24,4639	24,85259
3,6	22,04372	22,45929	22,87078	23,27819	23,68153	24,08082	24,47605	24,86722	25,2543
3,7	22,42963	22,84293	23,25225	23,65762	24,05905	24,45653	24,85006	25,23964	25,62524
3,8	22,78664	23,19782	23,60515	24,00864	24,40829	24,8041	25,19607	25,58418	25,96842
3,9	23,11751	23,52674	23,93222	24,33396	24,73197	25,12624	25,51676	25,90352	26,2865
4	23,42469	23,8321	24,23587	24,63599	25,03248	25,42532	25,8145	26,2	26,58181
4,1	23,71035	24,11608	24,51825	24,91687	25,31194	25,70345	26,09139	26,47573	26,85646
4,2	23,97644	24,38059	24,78128	25,17851	25,57226	25,96254	26,34931	26,73258	27,1123
4,3	24,22467	24,62736	25,02667	25,42259	25,81512	26,20424	26,58994	26,9722	27,35099
4,4	24,45659	24,85792	25,25593	25,65064	26,04202	26,43007	26,81477	27,19609	27,57401
4,5	24,67359	25,07363	25,47045	25,86401	26,25433	26,64138	27,02514	27,40558	27,78269
4,6	24,8769	25,27575	25,67143	26,06394	26,45325	26,83936	27,22225	27,60187	27,97822
4,7	25,06764	25,46537	25,85999	26,2515	26,63988	27,02511	27,40717	27,78604	28,16167
4,8	25,24682	25,6435	26,03713	26,4277	26,8152	27,19961	27,5809	27,95904	28,33401
4,9	25,41535	25,81103	26,20373	26,59342	26,9801	27,36373	27,7443	28,12177	28,49611
5	25,57404	25,96879	26,36061	26,74948	27,13538	27,51828	27,89817	28,275	28,64876
5,1	25,72364	26,11752	26,50851	26,8966	27,28177	27,66399	28,04323	28,41947	28,79267
5,2	25,86483	26,25788	26,6481	27,03545	27,41993	27,8015	28,18014	28,55582	28,9285
5,3	25,99823	26,3905	26,77997	27,16664	27,55046	27,93143	28,3095	28,68465	29,05684
5,4	26,12439	26,51592	26,9047	27,29071	27,67392	28,05431	28,43184	28,80649	29,17821
5,5	26,24383	26,63466	27,02278	27,40817	27,7908	28,17064	28,54767	28,92184	29,29313
5,6	26,357	26,74718	27,13467	27,51947	27,90155	28,28088	28,65743	29,03116	29,40202
5,7	26,46435	26,8539	27,2408	27,62505	28,0066	28,38544	28,76154	29,13484	29,50531
5,8	26,56626	26,95521	27,34155	27,72527	28,10633	28,48471	28,86037	29,23327	29,60338
5,9	26,66309	27,05147	27,43729	27,8205	28,2011	28,57903	28,95428	29,3268	29,69655
6	26,75517	27,14302	27,52833	27,91107	28,29121	28,66873	29,04359	29,41575	29,78516

M\β	41,5	42	42,5	43	43,5	44	44,5	45	45,5
1	no	no	no	no	no	no	no	no	no
1,1	no	no	no	no	no	no	no	no	no
1,2	no	no	no	no	no	no	no	no	no
1,3	no	no	no	no	no	no	no	no	no
1,4	no	no	no	no	no	no	no	no	no
1,5	no	0,175011	0,630378	1,077152	1,515382	1,945105	2,366358	2,779167	3,183554
1,6	2,722124	3,176536	3,62249	4,060034	4,48921	4,910054	5,322592	5,726847	6,122834
1,7	5,427171	5,872603	6,309826	6,738884	7,159813	7,57264	7,977388	8,374071	8,762695
1,8	7,847477	8,284655	8,713912	9,135284	9,548801	9,954484	10,35235	10,7424	11,12464
1,9	10,00829	10,43797	10,86004	11,27452	11,68144	12,08081	12,47263	12,85692	13,23365
2	11,93593	12,35886	12,77449	13,18284	13,58391	13,97772	14,36428	14,74356	15,11557
2,1	13,65603	14,07292	14,48281	14,8857	15,28162	15,67056	16,05252	16,42748	16,79543
2,2	15,19254	15,60403	16,0088	16,40687	16,79825	17,18292	17,56087	17,93209	18,29655
2,3	16,56722	16,97389	17,37412	17,76792	18,15528	18,53621	18,91067	19,27865	19,64011
2,4	17,79953	18,2019	18,59808	18,9881	19,37193	19,74956	20,12097	20,48614	20,84501
2,5	18,90666	19,30518	19,69777	20,08442	20,46512	20,83986	21,2086	21,57131	21,92795
2,6	19,90366	20,29874	20,68812	21,07179	21,44972	21,82189	22,18829	22,54885	22,90355
2,7	20,80369	21,19569	21,5822	21,9632	22,33867	22,70858	23,0729	23,43159	23,7846
2,8	21,6182	22,00743	22,39136	22,76998	23,14326	23,51116	23,87365	24,23068	24,58221
2,9	22,35713	22,74387	23,12549	23,50197	23,87328	24,23939	24,60026	24,95583	25,30606
3	23,02913	23,41362	23,79316	24,16772	24,53727	24,90178	25,2612	25,61548	25,96457
3,1	23,64173	24,02418	24,40184	24,77467	25,14265	25,50572	25,86385	26,21698	26,56505
3,2	24,20148	24,58209	24,95805	25,32932	25,69586	26,05764	26,41461	26,76672	27,11389
3,3	24,71411	25,09304	25,46745	25,8373	26,20255	26,56317	26,9191	27,27028	27,61666
3,4	25,1846	25,562	25,935	26,30356	26,66765	27,02722	27,38221	27,73256	28,07822
3,5	25,61734	25,99334	26,36506	26,73245	27,09547	27,45408	27,80822	28,15783	28,50285
3,6	26,01616	26,39088	26,76142	27,12774	27,4898	27,84754	28,20091	28,54984	28,89428
3,7	26,38445	26,758	27,12746	27,4928	27,85397	28,21092	28,56358	28,91191	29,25582
3,8	26,72519	27,09766	27,46613	27,83057	28,19093	28,54715	28,89917	29,24694	29,59038
3,9	27,04101	27,41248	27,78004	28,14365	28,50326	28,85882	29,21026	29,55752	29,90053
4	27,33424	27,70479	28,07151	28,43436	28,79328	29,14823	29,49913	29,84593	30,18855
4,1	27,60696	27,97666	28,3426	28,70474	29,06304	29,41742	29,76783	30,1142	30,45647
4,2	27,86101	28,22992	28,59514	28,95663	29,31434	29,6682	30,01816	30,36414	30,70608
4,3	28,09803	28,46621	28,83076	29,19165	29,54881	29,9022	30,25173	30,59736	30,939
4,4	28,3195	28,68699	29,05093	29,41125	29,76792	30,12085	30,47	30,8153	31,15666
4,5	28,52673	28,89359	29,25695	29,61675	29,97294	30,32547	30,67426	31,01925	31,36036
4,6	28,72091	29,08718	29,44999	29,80931	30,16507	30,51721	30,86567	31,21037	31,55125
4,7	28,9031	29,26881	29,63112	29,98998	30,34534	30,69712	31,04527	31,38971	31,73037
4,8	29,07425	29,43944	29,80129	30,15972	30,5147	30,86615	31,21401	31,5582	31,89866
4,9	29,23524	29,59995	29,96135	30,31939	30,67401	31,02515	31,37274	31,7167	32,05697
5	29,38685	29,7511	30,11208	30,46975	30,82404	31,17489	31,52222	31,86598	32,20607
5,1	29,52978	29,8936	30,2542	30,61152	30,96549	31,31607	31,66317	32,00672	32,34666
5,2	29,66469	30,0281	30,38833	30,74532	31,09901	31,44932	31,7962	32,13957	32,47936
5,3	29,79215	30,15519	30,51507	30,87175	31,22516	31,57524	31,92191	32,26511	32,60475
5,4	29,91271	30,27539	30,63495	30,99133	31,34448	31,69433	32,04081	32,38384	32,72335
5,5	30,02685	30,38918	30,74844	31,10455	31,45745	31,80709	32,15338	32,49626	32,83565
5,6	30,13501	30,49703	30,85599	31,21184	31,56452	31,91395	32,26007	32,60281	32,94207
5,7	30,2376	30,59932	30,95801	31,31361	31,66607	32,01531	32,36127	32,70387	33,04303
5,8	30,33501	30,69643	31,05486	31,41024	31,76249	32,11155	32,45735	32,79982	33,13888
5,9	30,42756	30,78871	31,1469	31,50205	31,8541	32,203	32,54866	32,89101	33,22996
6	30,51558	30,87647	31,23442	31,58937	31,94124	32,28997	32,63549	32,97772	33,31659

M\β	46	46,5	47	47,5	48	48,5	49	49,5	50
1	no	no	no	no	no	no	no	no	no
1,1	no	no	no	no	no	no	no	no	no
1,2	no	no	no	no	no	no	no	no	no
1,3	no	no	no	no	no	no	no	no	no
1,4	0,336111	0,733032	1,12152	1,501583	1,873226	2,236446	2,59124	2,937597	3,275504
1,5	3,579537	3,967124	4,346322	4,717129	5,07954	5,433542	5,779121	6,116254	6,444914
1,6	6,51056	6,890028	7,261235	7,624169	7,978816	8,325153	8,663153	8,992782	9,314001
1,7	9,143262	9,515766	9,880193	10,23652	10,58473	10,92479	11,25666	11,58029	11,89563
1,8	11,49906	11,86564	12,22437	12,57521	12,91814	13,25311	13,58007	13,89897	14,20974
1,9	13,60282	13,9644	14,31837	14,66468	15,0033	15,33418	15,65725	15,97246	16,27973
2	15,48027	15,83763	16,18763	16,53022	16,86534	17,19295	17,51297	17,82533	18,12996
2,1	17,15633	17,51014	17,85684	18,19636	18,52865	18,85365	19,17129	19,48147	19,78413
2,2	18,65421	19,00504	19,34899	19,68599	20,01599	20,33892	20,6547	20,96324	21,26446
2,3	19,99502	20,34332	20,68497	21,0199	21,34805	21,66933	21,98368	22,291	22,59119
2,4	21,19756	21,54372	21,88345	22,21667	22,54332	22,86331	23,17657	23,48298	23,78247
2,5	22,27847	22,62282	22,96093	23,29274	23,61818	23,93715	24,24957	24,55534	24,85436
2,6	23,25233	23,59513	23,93189	24,26253	24,58698	24,90515	25,21694	25,52226	25,821
2,7	24,13187	24,47335	24,80896	25,13863	25,46228	25,77982	26,09115	26,39617	26,69477
2,8	24,92818	25,26851	25,60315	25,93201	26,25501	26,57206	26,88306	27,1879	27,48648
2,9	25,65089	25,99024	26,32405	26,65224	26,97471	27,29138	27,60215	27,9069	28,20553
3	26,3084	26,6469	26,98	27,30762	27,62967	27,94605	28,25666	28,56139	28,86013
3,1	26,90801	27,24577	27,57826	27,90541	28,22711	28,54327	28,85379	29,15855	29,45744
3,2	27,45607	27,79319	28,12516	28,4519	28,77332	29,08932	29,39979	29,70463	30,00371
3,3	27,95816	28,29471	28,62622	28,95263	29,27382	29,5897	29,90017	30,20511	30,5044
3,4	28,41911	28,75516	29,08629	29,4124	29,73341	30,04922	30,35971	30,66477	30,96428
3,5	28,8432	29,17881	29,50959	29,83546	30,15632	30,47208	30,78261	31,08781	31,38756
3,6	29,23415	29,56937	29,89985	30,22552	30,54626	30,86199	31,17259	31,47794	31,77792
3,7	29,59526	29,93013	30,26035	30,58584	30,9065	31,22221	31,53289	31,83839	32,13862
3,8	29,92943	30,26399	30,59398	30,91932	31,23991	31,55563	31,86639	32,17205	32,47251
3,9	30,23922	30,57351	30,9033	31,22851	31,54904	31,86478	32,17563	32,48146	32,78216
4	30,52692	30,86096	31,19058	31,51568	31,83616	32,15193	32,46287	32,76887	33,06979
4,1	30,79455	31,12836	31,45782	31,78282	32,10328	32,41909	32,73013	33,03628	33,33743
4,2	31,0439	31,37751	31,70682	32,03175	32,35219	32,66803	32,97917	33,28549	33,58685
4,3	31,27657	31,61	31,93919	32,26405	32,58448	32,90037	33,2116	33,51808	33,81965
4,4	31,49402	31,82728	32,15635	32,48115	32,80158	33,11751	33,42885	33,73548	34,03726
4,5	31,69751	32,03062	32,3596	32,68435	33,00477	33,32076	33,63219	33,93897	34,24094
4,6	31,88821	32,22118	32,55007	32,87478	33,19521	33,51124	33,82278	34,12969	34,43186
4,7	32,06716	32,40001	32,72882	33,05349	33,37392	33,69001	34,00164	34,3087	34,61105
4,8	32,2353	32,56803	32,89676	33,2214	33,54185	33,85799	34,16972	34,47691	34,77943
4,9	32,39346	32,72609	33,05476	33,37937	33,69983	34,01602	34,32784	34,63516	34,93786
5	32,54243	32,87496	33,20357	33,52816	33,84863	34,16488	34,47679	34,78423	35,08709
5,1	32,68289	33,01533	33,34388	33,66845	33,98894	34,30524	34,61724	34,9248	35,22782
5,2	32,81547	33,14783	33,47633	33,80089	34,1214	34,43775	34,74983	35,05751	35,36068
5,3	32,94075	33,27303	33,60149	33,92604	34,24656	34,56296	34,87512	35,18292	35,48623
5,4	33,05925	33,39146	33,71988	34,04442	34,36496	34,68141	34,99365	35,30156	35,60501
5,5	33,17146	33,5036	33,83198	34,15651	34,47707	34,79357	35,10589	35,4139	35,71748
5,6	33,27779	33,60987	33,93822	34,26274	34,58333	34,89987	35,21226	35,52037	35,82408
5,7	33,37866	33,71069	34,03901	34,36352	34,68413	35,00072	35,31318	35,62139	35,92522
5,8	33,47444	33,80641	34,1347	34,45921	34,77984	35,09647	35,409	35,7173	36,02125
5,9	33,56545	33,89737	34,22563	34,55014	34,87079	35,18747	35,50006	35,80846	36,11252
6	33,65201	33,98388	34,31212	34,63663	34,9573	35,27402	35,58668	35,89515	36,19932

M\β	50,5	51	51,5	52	52,5	53	53,5	54	54,5
1	no	no	no	no	no	no	no	no	no
1,1	no	no	no	no	no	no	no	no	no
1,2	no	no	no	no	no	no	no	no	no
1,3	0,145624	0,478112	0,80226	1,118053	1,425476	1,724508	2,015126	2,297307	2,571023
1,4	3,604943	3,925891	4,238323	4,542209	4,837515	5,124204	5,402235	5,671564	5,932144
1,5	6,765071	7,076686	7,379721	7,674127	7,959856	8,236852	8,505055	8,764403	9,014827
1,6	9,626765	9,931024	10,22672	10,5138	10,79219	11,06181	11,3226	11,57448	11,81734
1,7	12,20262	12,50121	12,79133	13,07289	13,34582	13,61003	13,86543	14,11191	14,34938
1,8	14,51232	14,80663	15,0926	15,37013	15,63913	15,89951	16,15114	16,39392	16,62774
1,9	16,57899	16,87015	17,15312	17,4278	17,69409	17,95187	18,20103	18,44143	18,67294
2	18,42676	18,71565	18,99653	19,26928	19,5338	19,78995	20,03761	20,27664	20,5069
2,1	20,07917	20,36648	20,64596	20,91749	21,18095	21,4362	21,68312	21,92154	22,15132
2,2	21,55826	21,84452	22,12313	22,39398	22,65692	22,91183	23,15855	23,39693	23,6268
2,3	22,88415	23,16977	23,44792	23,71848	23,98131	24,23626	24,48319	24,72194	24,95232
2,4	24,0749	24,36018	24,63816	24,90873	25,17174	25,42703	25,67446	25,91386	26,14504
2,5	25,14651	25,43167	25,70971	25,9805	26,2439	26,49974	26,74787	26,98811	27,22028
2,6	26,11304	26,39826	26,67652	26,94769	27,21162	27,46814	27,71711	27,95833	28,19163
2,7	26,98684	27,27223	27,55083	27,82248	28,08704	28,34435	28,59423	28,83651	29,07101
2,8	27,77866	28,06432	28,34333	28,61554	28,8808	29,13894	29,38979	29,63318	29,86891
2,9	28,4979	28,7839	29,06337	29,33618	29,60217	29,86117	30,11302	30,35752	30,5945
3	29,15275	29,43911	29,71909	29,99253	30,25927	30,51914	30,77198	31,01761	31,25581
3,1	29,75034	30,03711	30,3176	30,59167	30,85917	31,11991	31,37374	31,62046	31,85988
3,2	30,29691	30,58409	30,86511	31,13982	31,40806	31,66967	31,92446	32,17225	32,41284
3,3	30,79791	31,08551	31,36706	31,6424	31,91138	32,17382	32,42954	32,67837	32,9201
3,4	31,25812	31,54614	31,82821	32,10417	32,37386	32,63711	32,89374	33,14357	33,38639
3,5	31,68172	31,97017	32,25274	32,5293	32,79968	33,06371	33,32121	33,572	33,81587
3,6	32,07241	32,36126	32,64433	32,92147	33,19252	33,4573	33,71564	33,96734	34,21221
3,7	32,43342	32,72268	33,00623	33,28393	33,55561	33,82111	34,08025	34,33283	34,57866
3,8	32,76763	33,05728	33,34129	33,61953	33,89183	34,15802	34,41791	34,67133	34,91806
3,9	33,07758	33,3676	33,65206	33,93082	34,2037	34,47054	34,73117	34,98538	35,23298
4	33,36551	33,65589	33,94079	34,22004	34,49348	34,76095	35,02226	35,27723	35,52565
4,1	33,63344	33,92417	34,20947	34,48919	34,76317	35,03124	35,29321	35,5489	35,7981
4,2	33,88314	34,1742	34,4599	34,74007	35,01456	35,28319	35,54579	35,80216	36,0521
4,3	34,1162	34,40759	34,69366	34,97426	35,24924	35,51841	35,78161	36,03863	36,28927
4,4	34,33406	34,62576	34,91219	35,1932	35,46864	35,73833	36,00209	36,25972	36,51104
4,5	34,538	34,82998	35,11676	35,39817	35,67405	35,94422	36,20852	36,46674	36,71869
4,6	34,72915	35,02142	35,30852	35,59031	35,8666	36,13725	36,40205	36,66083	36,91339
4,7	34,90856	35,2011	35,48852	35,77066	36,04735	36,31844	36,58373	36,84304	37,09617
4,8	35,07716	35,36996	35,65768	35,94016	36,21723	36,48874	36,75449	37,01431	37,26798
4,9	35,2358	35,52884	35,81684	36,09965	36,37709	36,64899	36,91519	37,17548	37,42967
5	35,38523	35,67851	35,96678	36,24989	36,52768	36,79997	37,06658	37,32733	37,58202
5,1	35,52615	35,81966	36,10819	36,39159	36,66971	36,94236	37,20938	37,47056	37,72571
5,2	35,65919	35,95291	36,24169	36,52538	36,80381	37,07681	37,3442	37,6058	37,8614
5,3	35,78492	36,07885	36,36786	36,65182	36,93055	37,20388	37,47164	37,73363	37,98965
5,4	35,90386	36,19799	36,48723	36,77144	37,05046	37,32411	37,59221	37,85457	38,111
5,5	36,01649	36,31081	36,60027	36,88473	37,16401	37,43796	37,70639	37,96912	38,22594
5,6	36,12325	36,41775	36,70742	36,99211	37,27166	37,54589	37,81464	38,0777	38,33489
5,7	36,22454	36,5192	36,80907	37,09398	37,37378	37,64829	37,91734	38,18073	38,43827
5,8	36,32071	36,61554	36,9056	37,19073	37,47076	37,74554	38,01487	38,27858	38,53645
5,9	36,41211	36,7071	36,99734	37,28267	37,56294	37,83796	38,10757	38,37157	38,62977
6	36,49905	36,79419	37,0846	37,37013	37,65062	37,92588	38,19575	38,46004	38,71854

M\β	55	55,5	56	56,5	57	57,5	58	58,5	59
1	no	no	no	no	no	no	no	no	no
1,1	no	no	no	no	no	no	no	no	no
1,2	no	no	no	0,029132	0,278773	0,520286	0,753655	0,978866	1,195903
1,3	2,836244	3,09294	3,341076	3,580617	3,811526	4,033765	4,247294	4,452072	4,648058
1,4	6,183923	6,426848	6,660863	6,885908	7,101922	7,30884	7,506596	7,695121	7,874345
1,5	9,256256	9,488613	9,71182	9,925792	10,13044	10,32568	10,51142	10,68755	10,85398
1,6	12,05111	12,27568	12,49096	12,69683	12,89319	13,07992	13,25689	13,424	13,5811
1,7	14,57772	14,79682	15,00656	15,2068	15,39741	15,57826	15,7492	15,91009	16,06076
1,8	16,85245	17,06793	17,27404	17,47063	17,65754	17,83463	18,00172	18,15864	18,3052
1,9	18,89543	19,10874	19,31271	19,50719	19,692	19,86697	20,03191	20,18663	20,33092
2	20,72823	20,94047	21,14345	21,33699	21,52091	21,69501	21,8591	22,01296	22,15636
2,1	22,37229	22,58428	22,78711	22,98059	23,16452	23,33869	23,50288	23,65688	23,80044
2,2	23,848	24,06034	24,26363	24,45768	24,64227	24,81718	24,98218	25,13704	25,28151
2,3	25,17416	25,38728	25,59148	25,78654	25,97225	26,14837	26,31468	26,47092	26,61683
2,4	26,36782	26,58201	26,78741	26,98379	27,17094	27,34861	27,51656	27,67452	27,82224
2,5	27,4442	27,65967	27,86646	28,06437	28,25315	28,43258	28,60238	28,7623	28,91206
2,6	28,4168	28,63366	28,84198	29,04153	29,23208	29,41338	29,58517	29,74718	29,89911
2,7	29,29752	29,51583	29,72573	29,92699	30,11937	30,30261	30,47645	30,64061	30,7948
2,8	30,09678	30,31658	30,52809	30,73108	30,9253	31,1105	31,2864	31,45273	31,60919
2,9	30,82374	31,04502	31,25814	31,46285	31,6589	31,84604	32,02399	32,19247	32,35118
3	31,4864	31,70916	31,92385	32,13025	32,3281	32,51714	32,6971	32,86768	33,02859
3,1	32,09179	32,31597	32,5322	32,74024	32,93984	33,13073	33,31263	33,48526	33,64831
3,2	32,64603	32,8716	33,08932	33,29895	33,50023	33,6929	33,87669	34,05129	34,2164
3,3	33,15453	33,38143	33,60058	33,81173	34,01463	34,20902	34,39461	34,57111	34,73821
3,4	33,622	33,85018	34,0707	34,28331	34,48777	34,6838	34,87111	35,04943	35,21842
3,5	34,05262	34,28202	34,50385	34,71786	34,92379	35,12138	35,31035	35,49039	35,6612
3,6	34,45004	34,68061	34,90369	35,11903	35,32637	35,52545	35,71599	35,89768	36,07021
3,7	34,81752	35,0492	35,27346	35,49006	35,69875	35,89925	36,09127	36,27453	36,44871
3,8	35,15791	35,39064	35,61604	35,83384	36,0438	36,24564	36,43909	36,62383	36,79957
3,9	35,47376	35,70749	35,93396	36,1529	36,36407	36,56719	36,76198	36,94814	37,12535
4	35,76732	36,00201	36,22949	36,44952	36,66183	36,86616	37,06223	37,24972	37,42834
4,1	36,04061	36,2762	36,50465	36,7257	36,9391	37,14458	37,34185	37,53062	37,71057
4,2	36,29541	36,53186	36,76122	36,98325	37,19768	37,40425	37,60267	37,79265	37,97386
4,3	36,53334	36,7706	37,00083	37,22378	37,43919	37,6468	37,84631	38,03742	38,21983
4,4	36,75583	36,99386	37,22492	37,44874	37,66508	37,87366	38,0742	38,2664	38,44994
4,5	36,96416	37,20293	37,43477	37,65942	37,87664	38,08615	38,28767	38,4809	38,66552
4,6	37,15951	37,39897	37,63155	37,85699	38,07505	38,28544	38,48789	38,68209	38,86773
4,7	37,34291	37,58303	37,81631	38,04251	38,26135	38,47258	38,67591	38,87104	39,05765
4,8	37,51531	37,75606	37,99001	38,21691	38,43651	38,64854	38,8527	39,04871	39,23625
4,9	37,67755	37,9189	38,15349	38,38107	38,60138	38,81416	39,01913	39,21597	39,40438
5	37,83043	38,07234	38,30753	38,53576	38,75675	38,97025	39,17597	39,37361	39,56285
5,1	37,97463	38,21708	38,45285	38,68168	38,90332	39,11751	39,32394	39,52234	39,71237
5,2	38,11079	38,35376	38,59008	38,81949	39,04175	39,25658	39,4637	39,66281	39,8536
5,3	38,2395	38,48296	38,7198	38,94976	39,17261	39,38806	39,59583	39,79563	39,98713
5,4	38,36129	38,60522	38,84255	39,07304	39,29644	39,51248	39,72088	39,92133	40,11352
5,5	38,47664	38,72101	38,95881	39,18981	39,41374	39,63034	39,83933	40,0404	40,23324
5,6	38,58599	38,83078	39,06904	39,30052	39,52496	39,74209	39,95164	40,15331	40,34677
5,7	38,68975	38,93495	39,17363	39,40557	39,63049	39,84814	40,05823	40,26046	40,45451
5,8	38,78829	39,03387	39,27297	39,50534	39,73073	39,94887	40,15947	40,36224	40,55686
5,9	38,88195	39,12791	39,3674	39,60019	39,82602	40,04462	40,25571	40,459	40,65416
6	38,97106	39,21736	39,45723	39,69042	39,91667	40,13572	40,34728	40,55106	40,74674

M\β	59,5	60	60,5	61	61,5	62	62,5	63	63,5
1	no	no	no	no	no	no	no	no	no
1,1	no	no	no	no	no	no	no	no	no
1,2	1,40475	1,605392	1,797813	1,982	2,157938	2,325614	2,485018	2,636139	2,778969
1,3	4,835208	5,013481	5,182832	5,343219	5,494598	5,636928	5,770165	5,894269	6,009202
1,4	8,044197	8,204601	8,355485	8,496773	8,628389	8,750256	8,862297	8,964438	9,056601
1,5	11,01061	11,15733	11,29403	11,42061	11,53695	11,64295	11,73848	11,82344	11,89771
1,6	13,72807	13,86477	13,99107	14,10681	14,21185	14,30605	14,38925	14,46131	14,52206
1,7	16,20105	16,33081	16,44986	16,55803	16,65514	16,741	16,81544	16,87825	16,92924
1,8	18,44124	18,56654	18,68093	18,78418	18,8761	18,95646	19,02504	19,08163	19,12598
1,9	20,46458	20,58739	20,69913	20,79957	20,88847	20,96559	21,03067	21,08345	21,12367
2	22,28909	22,41091	22,52157	22,62081	22,70838	22,784	22,84739	22,89826	22,93632
2,1	23,93332	24,05526	24,16601	24,26527	24,35278	24,42823	24,49132	24,54172	24,57913
2,2	25,41533	25,53822	25,6499	25,75009	25,83847	25,91473	25,97855	26,02958	26,06747
2,3	26,75214	26,87656	26,9898	27,09154	27,18148	27,25926	27,32456	27,377	27,41621
2,4	27,95942	28,08577	28,20098	28,30473	28,39668	28,47649	28,54379	28,5982	28,63934
2,5	29,05136	29,1799	29,29736	29,4034	29,49769	29,57986	29,64952	29,7063	29,74977
2,6	30,04068	30,17157	30,29144	30,39997	30,49679	30,58152	30,65378	30,71316	30,75924
2,7	30,93871	31,07202	31,1944	31,3055	31,40495	31,49237	31,56736	31,6295	31,67835
2,8	31,75546	31,89122	32,01613	32,12984	32,23197	32,32212	32,3999	32,46487	32,51658
2,9	32,49979	32,63798	32,76542	32,88172	32,98651	33,0794	33,15997	33,22778	33,28237
3	33,1795	33,32008	33,44998	33,56884	33,67626	33,77185	33,85517	33,9258	33,98326
3,1	33,80145	33,94436	34,07666	34,198	34,30799	34,40621	34,49224	34,56563	34,6259
3,2	34,3717	34,51685	34,65148	34,77523	34,88769	34,98847	35,07712	35,15319	35,21621
3,3	34,89557	35,04287	35,17974	35,30581	35,42067	35,52391	35,61509	35,69376	35,75942
3,4	35,37777	35,52713	35,66615	35,79443	35,91158	36,01719	36,11081	36,19197	36,2602
3,5	35,82244	35,97377	36,11483	36,24524	36,36459	36,47246	36,56841	36,65197	36,72265
3,6	36,23326	36,38647	36,52948	36,66191	36,78335	36,89338	36,99156	37,07742	37,15045
3,7	36,61346	36,76846	36,91333	37,04769	37,17113	37,28322	37,38353	37,47157	37,54685
3,8	36,96595	37,12265	37,26928	37,40547	37,53081	37,64487	37,7472	37,83732	37,91475
3,9	37,29328	37,45159	37,5999	37,73783	37,86497	37,9809	38,08516	38,17727	38,25674
4	37,59774	37,75758	37,90748	38,04706	38,17592	38,29362	38,39971	38,49371	38,57512
4,1	37,88136	38,04265	38,19406	38,33522	38,4657	38,58509	38,69292	38,78871	38,87198
4,2	38,14597	38,30863	38,46148	38,60412	38,73615	38,85714	38,96662	39,06413	39,14915
4,3	38,39319	38,55716	38,71137	38,85543	38,98893	39,11143	39,22249	39,32161	39,40831
4,4	38,62449	38,7897	38,9452	39,0906	39,22549	39,34944	39,46199	39,56266	39,65094
4,5	38,8412	39,00758	39,16431	39,31098	39,44719	39,57251	39,68648	39,78862	39,87841
4,6	39,04448	39,21198	39,36987	39,51775	39,65522	39,78184	39,89716	40,00069	40,09192
4,7	39,23542	39,40398	39,56297	39,712	39,85067	39,97853	40,09512	40,19998	40,29258
4,8	39,41497	39,58454	39,74458	39,89471	40,03451	40,16354	40,28136	40,38747	40,48137
4,9	39,58402	39,75455	39,91559	40,06675	40,20763	40,33778	40,45676	40,56407	40,65921
5	39,74336	39,9148	40,07679	40,22894	40,37084	40,50206	40,62214	40,73059	40,82691
5,1	39,89371	40,06602	40,22891	40,382	40,52488	40,65711	40,77824	40,88778	40,98522
5,2	40,03573	40,20886	40,37261	40,52659	40,6704	40,8036	40,92573	41,0363	41,13481
5,3	40,17002	40,34393	40,5085	40,66333	40,80803	40,94214	41,06523	41,17679	41,27632
5,4	40,29711	40,47177	40,63712	40,79277	40,93831	41,0733	41,19729	41,30979	41,4103
5,5	40,41752	40,59289	40,75899	40,91541	41,06175	41,19758	41,32244	41,43584	41,53727
5,6	40,5317	40,70775	40,87455	41,03171	41,17882	41,31545	41,44113	41,55539	41,65771
5,7	40,64007	40,81677	40,98424	41,14211	41,28995	41,42734	41,55381	41,66889	41,77205
5,8	40,74301	40,92032	41,08845	41,24699	41,39553	41,53365	41,66087	41,77673	41,8807
5,9	40,84087	41,01878	41,18752	41,3467	41,49592	41,63473	41,76268	41,87928	41,98403
6	40,93399	41,11246	41,2818	41,44159	41,59145	41,73092	41,85956	41,97688	42,08236

M\β	64	64,5	65	65,5	66	66,5	67	67,5	68
1	no	no	no	no	no	no	no	no	no
1,1	no	no	no	0,034496	0,17377	0,305835	0,430725	0,548477	0,659132
1,2	2,913501	3,039733	3,157661	3,267287	3,368615	3,461653	3,546411	3,622905	3,691153
1,3	6,114924	6,211401	6,298598	6,376485	6,445033	6,50422	6,554022	6,594425	6,625416
1,4	9,138714	9,210701	9,272493	9,32402	9,365214	9,396013	9,416357	9,42619	9,42546
1,5	11,96118	12,01373	12,05524	12,08561	12,10473	12,11249	12,10878	12,0935	12,06655
1,6	14,57136	14,60904	14,63495	14,64892	14,65081	14,64046	14,61771	14,58241	14,53442
1,7	16,96823	16,995	17,00936	17,0111	17,00002	16,97592	16,93859	16,88782	16,82342
1,8	19,15787	19,17704	19,18327	19,17629	19,15586	19,12172	19,07362	19,01131	18,93452
1,9	21,15105	21,16532	21,16619	21,15337	21,12656	21,08547	21,02979	20,95921	20,87342
2	22,96125	22,97274	22,97048	22,95412	22,92334	22,87778	22,8171	22,74095	22,64895
2,1	24,60319	24,61356	24,60989	24,59181	24,55894	24,5109	24,44729	24,36771	24,27175
2,2	26,09186	26,10237	26,09861	26,08019	26,0467	25,99771	25,93278	25,85148	25,75334
2,3	27,44181	27,45339	27,45055	27,43284	27,39983	27,35106	27,28607	27,20436	27,10544
2,4	28,66679	28,68013	28,67891	28,66269	28,631	28,58334	28,51922	28,43811	28,33947
2,5	29,77951	29,79508	29,79602	29,78185	29,75207	29,70617	29,64361	29,56385	29,46632
2,6	30,79158	30,80971	30,81315	30,80141	30,77397	30,73029	30,66981	30,59195	30,49611
2,7	31,71346	31,73436	31,74054	31,73149	31,70668	31,66554	31,60749	31,53192	31,43822
2,8	32,55456	32,57834	32,5874	32,5812	32,55919	32,5208	32,46542	32,39241	32,30114
2,9	33,32328	33,34998	33,36198	33,35871	33,33962	33,30409	33,25152	33,18126	33,09262
3	34,02706	34,0567	34,07165	34,07134	34,05519	34,0226	33,97292	33,90549	33,81961
3,1	34,67256	34,7051	34,72297	34,7256	34,7124	34,68274	34,63598	34,57143	34,48837
3,2	35,26566	35,30103	35,32177	35,3273	35,317	35,29026	35,2464	35,18473	35,10451
3,3	35,81159	35,84971	35,87324	35,88159	35,87415	35,85027	35,80927	35,75044	35,67305
3,4	36,31497	36,35576	36,382	36,39309	36,38842	36,36732	36,32912	36,27309	36,19848
3,5	36,77994	36,82329	36,85214	36,86588	36,86389	36,84549	36,81001	36,75671	36,68482
3,6	37,21015	37,25596	37,28731	37,3036	37,30419	37,28841	37,25556	37,20491	37,13566
3,7	37,60885	37,65701	37,69077	37,70951	37,71258	37,69932	37,66901	37,62091	37,55423
3,8	37,97895	38,02936	38,06542	38,0865	38,09195	38,08111	38,05324	38,0076	37,9434
3,9	38,32303	38,3756	38,41385	38,43717	38,4449	38,43637	38,41085	38,36758	38,30576
4	38,64341	38,69803	38,73837	38,76383	38,77375	38,76743	38,74416	38,70316	38,64363
4,1	38,94217	38,99873	39,04107	39,06857	39,08057	39,07638	39,05525	39,01643	38,9591
4,2	39,22115	39,27957	39,32382	39,35326	39,36725	39,36508	39,34601	39,30927	39,25404
4,3	39,48203	39,54222	39,58828	39,61958	39,63546	39,63522	39,61811	39,58337	39,53016
4,4	39,7263	39,78817	39,83596	39,86903	39,88671	39,88832	39,87309	39,84025	39,78897
4,5	39,95533	40,0188	40,06823	40,10298	40,12239	40,12575	40,11231	40,08129	40,03185
4,6	40,17032	40,23531	40,28631	40,32266	40,34371	40,34875	40,33702	40,30774	40,26007
4,7	40,37238	40,43883	40,49131	40,5292	40,55181	40,55845	40,54835	40,52073	40,47474
4,8	40,56252	40,63035	40,68425	40,72359	40,7477	40,75586	40,74732	40,72128	40,6769
4,9	40,74163	40,81078	40,86603	40,90676	40,93229	40,9419	40,93485	40,91033	40,86749
5	40,91055	40,98094	41,03749	41,07954	41,10642	41,11743	41,11179	41,08871	41,04735
5,1	41,07002	41,1416	41,19937	41,24269	41,27087	41,28319	41,27891	41,25722	41,21726
5,2	41,22072	41,29344	41,35238	41,3969	41,42631	41,43991	41,43692	41,41655	41,37793
5,3	41,36327	41,43708	41,49714	41,54281	41,5734	41,5882	41,58645	41,56734	41,53001
5,4	41,49826	41,5731	41,63423	41,68099	41,71271	41,72866	41,72809	41,71018	41,67409
5,5	41,62619	41,70202	41,76416	41,81197	41,84477	41,86182	41,86238	41,84563	41,81071
5,6	41,74754	41,82432	41,88744	41,93625	41,97007	41,98818	41,98982	41,97417	41,94037
5,7	41,86276	41,94044	42,00449	42,05425	42,08906	42,10818	42,11085	42,09625	42,06354
5,8	41,97225	42,05079	42,11572	42,1664	42,20215	42,22223	42,22589	42,21231	42,18062
5,9	42,07637	42,15574	42,22152	42,27308	42,30972	42,33073	42,33533	42,32272	42,29202
6	42,17547	42,25563	42,32223	42,37462	42,41212	42,43402	42,43953	42,42784	42,39809

M\β	68,5	69	69,5	70	70,5	71	71,5	72	72,5
1 no	no	no	no	no	no	no	no	no	no
1,1	0,762734	0,859332	0,948978	1,03173	1,107648	1,176797	1,23925	1,295081	1,34437
1,2	3,751178	3,80301	3,846681	3,882229	3,9097	3,929143	3,940615	3,944178	3,939904
1,3	6,646988	6,659139	6,661875	6,655205	6,639146	6,613725	6,578972	6,534929	6,481644
1,4	9,414122	9,392135	9,359466	9,316087	9,261978	9,19713	9,121539	9,035212	8,938168
1,5	12,02785	11,9773	11,91483	11,84036	11,75383	11,65517	11,54435	11,42132	11,28607
1,6	14,47359	14,39978	14,31286	14,2127	14,09918	13,9722	13,83164	13,67743	13,50948
1,7	16,74519	16,65293	16,54645	16,42556	16,2901	16,13987	15,97474	15,79454	15,59914
1,8	18,84301	18,73651	18,61479	18,47758	18,32466	18,15579	17,97073	17,76928	17,55123
1,9	20,77212	20,65499	20,52172	20,372	20,20552	20,02199	19,82111	19,60259	19,36616
2	22,54075	22,41597	22,27425	22,11522	21,9385	21,74373	21,53054	21,29858	21,0475
2,1	24,15899	24,02902	23,8814	23,71571	23,53151	23,32836	23,10584	22,86351	22,60095
2,2	25,63791	25,50471	25,35325	25,18306	24,99363	24,78446	24,55507	24,30495	24,0336
2,3	26,9888	26,85393	26,70028	26,52731	26,33448	26,12123	25,88699	25,6312	25,35328
2,4	28,22277	28,08744	27,93288	27,75853	27,56376	27,34796	27,11052	26,85079	26,56814
2,5	29,35042	29,21556	29,06111	28,88644	28,69088	28,47377	28,23444	27,97218	27,68629
2,6	30,38168	30,248	30,09442	29,92026	29,72482	29,50737	29,26719	29,00352	28,7156
2,7	31,32572	31,19375	31,04162	30,8686	30,67396	30,45693	30,21672	29,95254	29,66356
2,8	32,19092	32,06105	31,91079	31,7394	31,54609	31,33005	31,09046	30,82646	30,53718
2,9	32,98491	32,8574	32,70932	32,5399	32,3483	32,1337	31,89521	31,63195	31,34298
3	33,71457	33,58959	33,44391	33,2767	33,08711	32,87426	32,63725	32,37514	32,08695
3,1	34,38607	34,26375	34,1206	33,95576	33,76838	33,55753	33,32227	33,06162	32,77457
3,2	35,005	34,88538	34,74483	34,58249	34,39744	34,18875	33,95544	33,69649	33,41086
3,3	35,57631	35,45942	35,32152	35,16171	34,97908	34,77266	34,54143	34,28436	34,00035
3,4	36,1045	35,99031	35,85505	35,69781	35,51763	35,31354	35,08448	34,8294	34,54715
3,5	36,59353	36,48201	36,34937	36,19468	36,01698	35,81524	35,58841	35,33538	35,05501
3,6	37,04701	36,93811	36,80804	36,65587	36,48062	36,28123	36,05665	35,80572	35,52728
3,7	37,46814	37,36178	37,23423	37,08454	36,91169	36,71465	36,4923	36,24349	35,96702
3,8	37,85978	37,75589	37,63079	37,48352	37,31304	37,1183	36,89817	36,65148	36,37699
3,9	38,22454	38,12303	38,00031	37,85538	37,68722	37,49473	37,27679	37,03218	36,75967
4	38,56471	38,46551	38,34508	38,20243	38,03652	37,84623	37,63042	37,38787	37,11732
4,1	38,88239	38,78541	38,6672	38,52675	38,36301	38,17486	37,96114	37,72061	37,45198
4,2	39,17946	39,08461	38,96853	38,83021	38,66857	38,4825	38,27081	38,03224	37,76551
4,3	39,45761	39,3648	39,25078	39,1145	38,9549	38,77083	38,5611	38,32446	38,05957
4,4	39,71837	39,62753	39,51547	39,38116	39,22351	39,04138	38,83356	38,59878	38,33568
4,5	39,96312	39,87416	39,76399	39,63157	39,47581	39,29555	39,08957	38,85658	38,59524
4,6	40,19312	40,10596	39,9976	39,867	39,71305	39,53459	39,33039	39,09914	38,83949
4,7	40,4095	40,32407	40,21745	40,08859	39,93638	39,75965	39,55716	39,3276	39,06959
4,8	40,6133	40,52951	40,42456	40,29737	40,14683	39,97177	39,77093	39,54299	39,28657
4,9	40,80544	40,72324	40,61988	40,49429	40,34536	40,1719	39,97264	39,74627	39,49138
5	40,9868	40,90611	40,80427	40,68022	40,53283	40,3609	40,16318	39,93831	39,68491
5,1	41,15814	41,07889	40,97852	40,85594	40,71003	40,53958	40,34332	40,11991	39,86793
5,2	41,32017	41,24232	41,14334	41,02218	40,87768	40,70865	40,5138	40,29179	40,04119
5,3	41,47356	41,39703	41,29939	41,17958	41,03645	40,86877	40,67529	40,45462	40,20534
5,4	41,61889	41,54363	41,44728	41,32876	41,18693	41,02057	40,82838	40,60901	40,36101
5,5	41,75671	41,68266	41,58754	41,47027	41,32969	41,16458	40,97365	40,75553	40,50876
5,6	41,88752	41,81463	41,7207	41,60462	41,46524	41,30134	41,11161	40,89469	40,6491
5,7	42,01178	41,94001	41,84721	41,73227	41,59405	41,4313	41,24273	41,02696	40,78252
5,8	42,12992	42,05922	41,9675	41,85366	41,71655	41,55491	41,36746	41,15279	40,90945
5,9	42,24233	42,17266	42,08198	41,96919	41,83314	41,67257	41,48619	41,27259	41,0303
6	42,34936	42,28068	42,191	42,07922	41,94419	41,78465	41,59929	41,38672	41,14545



M\β	73	73,5	74	74,5	75	75,5	76	76,5	77
	no	no	no	no	no	no	no	no	no
1,1	1,387205	1,423676	1,453881	1,477921	1,495906	1,50795	1,514173	1,514702	1,509669
1,2	3,927868	3,908155	3,880856	3,846073	3,803913	3,754491	3,697934	3,634373	3,563953
1,3	6,419176	6,347592	6,26697	6,177397	6,078973	5,971807	5,85602	5,731746	5,59913
1,4	8,830434	8,712052	8,583072	8,44356	8,293595	8,13327	7,962693	7,781988	7,591294
1,5	11,13858	10,97884	10,80688	10,62273	10,42643	10,21806	9,997679	9,765408	9,521364
1,6	13,32774	13,13215	12,92268	12,69931	12,46206	12,21094	11,946	11,66731	11,37496
1,7	15,38842	15,16226	14,92058	14,6633	14,39038	14,10178	13,79751	13,47758	13,14205
1,8	17,31638	17,06457	16,79564	16,50944	16,20586	15,88482	15,54624	15,19009	14,81638
1,9	19,11156	18,83853	18,54684	18,23629	17,90668	17,55785	17,18967	16,80204	16,39488
2	20,77695	20,48662	20,17618	19,84536	19,49388	19,12151	18,72801	18,31323	17,87701
2,1	22,31775	22,0135	21,68781	21,34031	20,97064	20,57847	20,16352	19,7255	19,26421
2,2	23,74053	23,42526	23,08731	22,72623	22,34157	21,93293	21,4999	21,04215	20,55935
2,3	25,05268	24,72883	24,38117	24,00916	23,61227	23,19001	22,74188	22,26745	21,76631
2,4	26,26194	25,93154	25,5763	25,19561	24,78885	24,35543	23,89477	23,40632	22,8896
2,5	27,37607	27,04081	26,67979	26,2923	25,87765	25,43516	24,96416	24,464	23,9341
2,6	28,40266	28,06391	27,69858	27,30587	26,88501	26,43522	25,95574	25,44586	24,90486
2,7	29,34894	29,00784	28,63941	28,24278	27,81709	27,36149	26,87514	26,3572	25,8069
2,8	30,22172	29,87919	29,50865	29,10917	28,67982	28,21966	27,72776	27,20321	26,64513
2,9	31,02735	30,68411	30,31227	29,91082	29,47877	29,01509	28,51878	27,98883	27,42427
3	31,77168	31,42832	31,05583	30,65314	30,21916	29,75283	29,25305	28,71873	28,14882
3,1	32,46008	32,11707	31,74445	31,34109	30,90585	30,43758	29,93512	29,3973	28,82296
3,2	33,09746	32,75516	32,38283	31,97927	31,5433	31,07369	30,5692	30,0286	29,45066
3,3	33,68828	33,34698	32,97526	32,57189	32,13561	31,66514	31,15918	30,61642	30,03554
3,4	34,23659	33,89651	33,52567	33,12279	32,68655	32,21562	31,70864	31,16422	30,58099
3,5	34,74609	34,40739	34,03762	33,63546	33,19955	32,72849	32,22086	31,67522	31,09012
3,6	35,2201	34,88289	34,51435	34,1131	33,67774	33,20681	32,69885	32,15234	31,56578
3,7	35,66163	35,32601	34,9588	34,55861	34,12397	33,65339	33,14535	32,59828	32,0106
3,8	36,07342	35,73944	35,37365	34,97462	34,54084	34,07078	33,56287	33,01548	32,42697
3,9	36,45794	36,12563	35,76131	35,36352	34,93071	34,46131	33,95369	33,40619	32,81711
4	36,81742	36,4868	36,12399	35,72749	35,29573	34,8271	34,31992	33,77247	33,18302
4,1	37,1539	36,82496	36,46368	36,06851	35,63786	35,17008	34,66344	34,11619	33,52654
4,2	37,46922	37,14195	36,78219	36,38838	35,95888	35,49201	34,986	34,43906	33,84935
4,3	37,76504	37,43942	37,08118	36,68873	36,26041	35,79449	35,28919	34,74266	34,15301
4,4	38,04288	37,71888	37,36215	36,97106	36,54393	36,079	35,57445	35,0284	34,43891
4,5	38,30411	37,98171	37,62646	37,23673	36,81079	36,34687	35,84311	35,2976	34,70836
4,6	38,55	38,22915	37,87536	37,48696	37,06222	36,59932	36,09638	35,55145	34,96252
4,7	38,78168	38,46235	38,10998	37,7229	37,29934	36,83746	36,33537	35,79106	35,2025
4,8	39,0002	38,68234	38,33136	37,94557	37,52318	37,06233	36,56109	36,01743	35,42928
4,9	39,2065	38,89007	38,54045	38,15592	37,73469	37,27486	36,77447	36,23148	35,64378
5	39,40147	39,08642	38,73812	38,35483	37,93472	37,4759	36,97637	36,43406	35,84684
5,1	39,58588	39,27218	38,92516	38,54307	38,12408	37,66625	37,16757	36,62596	36,03923
5,2	39,76048	39,44808	39,10231	38,72139	38,30348	37,84662	37,34879	36,80787	36,22166
5,3	39,92593	39,61479	39,27022	38,89044	38,47359	38,01769	37,5207	36,98047	36,39478
5,4	40,08286	39,77293	39,42952	39,05085	38,63503	38,18007	37,6839	37,14436	36,55921
5,5	40,23181	39,92305	39,58078	39,20319	38,78836	38,33432	37,83896	37,30011	36,71549
5,6	40,37331	40,06569	39,72451	39,34796	38,93411	38,48096	37,9864	37,44823	36,86414
5,7	40,50785	40,20133	39,8612	39,48566	39,07276	38,62048	38,1267	37,58919	37,00564
5,8	40,63587	40,3304	39,9913	39,61672	39,20475	38,75332	38,2603	37,72345	37,14043
5,9	40,75776	40,45331	40,1152	39,74157	39,33049	38,87988	38,38761	37,8514	37,26892
6	40,87392	40,57045	40,23329	39,86058	39,45036	39,00056	38,50901	37,97344	37,39148

M\β	77,5	78	78,5	79	79,5	80	80,5	81	81,5
	no	no	no	no	no	no	no	no	no
1,1	1,499213	1,483479	1,462618	1,436786	1,406148	1,370873	1,331136	1,287118	1,239007
1,2	3,486823	3,403144	3,313086	3,216827	3,114555	3,006467	2,892769	2,773675	2,649411
1,3	5,458329	5,309516	5,152872	4,988595	4,816894	4,637991	4,452124	4,259541	4,060505
1,4	7,390768	7,180581	6,960926	6,73201	6,49406	6,247321	5,992056	5,728547	5,457096
1,5	9,265692	8,998556	8,720147	8,430675	8,130377	7,819514	7,49837	7,167256	6,826508
1,6	11,06908	10,74981	10,41732	10,07182	9,713553	9,342775	8,95979	8,564931	8,158563
1,7	12,79101	12,42455	12,04285	11,64608	11,23446	10,80826	10,36779	9,913382	9,445434
1,8	14,42513	14,01642	13,59035	13,14708	12,68682	12,20979	11,71632	11,20673	10,68143
1,9	15,96816	15,52191	15,05619	14,57109	14,06678	13,54349	13,00148	12,4411	11,86274
2	17,41925	16,9399	16,43896	15,91648	15,37256	14,80739	14,22121	13,61433	12,98714
2,1	18,77945	18,27109	17,73906	17,18334	16,60398	16,0011	15,37489	14,72565	14,05373
2,2	20,05123	19,51758	18,95824	18,3731	17,76215	17,12544	16,46312	15,7754	15,06265
2,3	21,23808	20,68247	20,09921	19,48813	18,84912	18,18216	17,48733	16,7648	16,01485
2,4	22,34413	21,7695	21,16538	20,53148	19,86761	19,17367	18,44965	17,69566	16,91193
2,5	23,37389	22,78287	22,16058	21,50665	20,8208	20,10282	19,35263	18,57027	17,75589
2,6	24,33209	23,72695	23,08887	22,41739	21,71212	20,97277	20,19915	19,39122	18,54906
2,7	25,22346	24,60618	23,95441	23,26757	22,54516	21,7868	20,99222	20,16126	19,29394
2,8	26,05265	25,42497	24,76133	24,06104	23,32353	22,54828	21,73493	20,88323	19,99312
2,9	26,82415	26,18756	25,51364	24,80161	24,05076	23,26051	22,43036	21,55999	20,64924
3	27,54226	26,89805	26,21523	25,49293	24,73032	23,92672	23,08154	22,19435	21,26489
3,1	28,21099	27,56028	26,86977	26,13849	25,36551	24,55004	23,69139	22,78903	21,8426
3,2	28,83415	28,17789	27,48074	26,7416	25,95946	25,13342	24,2627	23,34665	22,38483
3,3	29,41525	28,75428	28,05138	27,30536	26,51514	25,67968	24,79812	23,86971	22,8939
3,4	29,95756	29,29258	28,58471	27,83269	27,03531	26,19146	25,30016	24,36057	23,37204
3,5	30,46409	29,79571	29,08356	28,32628	27,52257	26,67122	25,77116	24,82145	23,82134
3,6	30,93763	30,26638	29,55053	28,78864	27,97932	27,12127	26,21331	25,25442	24,24376
3,7	31,38071	30,70704	29,98801	29,22208	28,40779	27,54374	26,62867	25,66145	24,64114
3,8	31,7957	31,11999	30,39821	29,62875	28,81004	27,94062	27,01912	26,04432	25,0152
3,9	32,18473	31,50732	30,78318	30,01062	29,18799	28,31374	27,38642	26,40473	25,36755
4	32,54977	31,87096	31,14479	30,3695	29,54339	28,6648	27,73222	26,74424	25,69966
4,1	32,89264	32,21266	31,48475	30,70708	29,87786	28,99537	28,05801	27,06428	26,01291
4,2	33,21498	32,53405	31,80465	31,02489	30,1929	29,3069	28,36519	27,36621	26,3086
4,3	33,51831	32,83661	32,10594	31,32434	30,48988	29,60071	28,65505	27,65126	26,5879
4,4	33,80402	33,1217	32,38995	31,60674	30,77008	29,87804	28,92878	27,92058	26,85192
4,5	34,07337	33,39058	32,65791	31,87328	31,03466	30,14002	29,18747	28,17522	27,10167
4,6	34,32754	33,64438	32,91094	32,12508	31,28469	30,38771	29,43215	28,41618	27,3381
4,7	34,56759	33,88417	33,15008	32,36314	31,52117	30,62205	29,66375	28,64434	27,56207
4,8	34,79451	34,11091	33,37629	32,58839	31,74501	30,84396	29,88314	28,86056	27,7744
4,9	35,0092	34,3255	33,59043	32,80171	31,95706	31,05425	30,09111	29,0656	27,97584
5	35,21249	34,52875	33,79332	33,00388	32,15809	31,25367	30,28841	29,2602	28,16708
5,1	35,40515	34,72143	33,98571	33,19563	32,34882	31,44294	30,47573	29,445	28,34876
5,2	35,58788	34,90421	34,16827	33,37764	32,52992	31,62271	30,65369	29,62063	28,52148
5,3	35,76133	35,07776	34,34165	33,55054	32,70199	31,79356	30,82288	29,78766	28,68579
5,4	35,9261	35,24266	34,50642	33,71491	32,86562	31,95607	30,98385	29,94662	28,84221
5,5	36,08274	35,39945	34,66314	33,87127	33,02131	32,11074	31,1371	30,098	28,99122
5,6	36,23177	35,54866	34,81229	34,02012	33,16957	32,25806	31,2831	30,24225	29,13324
5,7	36,37365	35,69074	34,95436	34,16193	33,31083	32,39847	31,42228	30,3798	29,26871
5,8	36,50883	35,82613	35,08976	34,29711	33,44553	32,53238	31,55506	30,51105	29,398
5,9	36,6377	35,95523	35,2189	34,42607	33,57405	32,66017	31,68179	30,63636	29,52147
6	36,76066	36,07842	35,34215	34,54916	33,69675	32,7822	31,80284	30,75608	29,63946

M\β	82	82,5	83	83,5	84	84,5	85	85,5	86
	no	no	no	no	no	no	no	no	no
1,1	1,186995	1,13128	1,072067	1,009562	0,94398	0,875539	0,80446	0,730971	0,655301
1,2	2,520208	2,386307	2,247957	2,105417	1,958949	1,808827	1,65533	1,498743	1,339356
1,3	3,855291	3,644186	3,427492	3,205519	2,978593	2,747047	2,511227	2,271489	2,028195
1,4	5,17802	4,891656	4,598361	4,298506	3,99248	3,68069	3,363555	3,041512	2,715011
1,5	6,476488	6,117583	5,750203	5,374785	4,991788	4,601696	4,205014	3,802269	3,394005
1,6	7,741087	7,312937	6,874579	6,426516	5,96928	5,503437	5,029584	4,548345	4,060375
1,7	8,964374	8,470681	7,964875	7,44752	6,919224	6,380638	5,832454	5,275404	4,710257
1,8	10,14088	9,585597	9,016138	8,433133	7,837263	7,229264	6,609926	5,980091	5,340653
1,9	11,26689	10,65407	10,02489	9,38004	8,720265	8,046384	7,359287	6,65993	5,949334
2	12,34013	11,67384	10,98892	10,28608	9,566154	8,830026	8,078688	7,31321	6,534742
2,1	13,35961	12,64383	11,90707	11,15009	10,37375	9,579028	8,767008	7,938869	7,095896
2,2	14,32528	13,56386	12,77906	11,97167	11,1426	10,2929	9,423732	8,536391	7,632289
2,3	15,23791	14,4345	13,60529	12,75109	11,87286	10,97169	10,04884	9,1057	8,143811
2,4	16,09883	15,25686	14,38668	13,48911	12,56513	11,61588	10,6427	9,647072	8,630664
2,5	16,90981	16,0325	15,12458	14,18688	13,22038	12,22629	11,20599	10,16106	9,093294
2,6	17,67293	16,76324	15,82059	14,84579	13,83983	12,80396	11,7396	10,64843	9,532339
2,7	18,39044	17,45111	16,47652	15,46745	14,4249	13,35011	12,24459	11,11008	9,94857
2,8	19,0647	18,09825	17,0943	16,05358	14,9771	13,86611	12,72215	11,54703	10,34286
2,9	19,69812	18,70685	17,67589	16,60596	15,49802	14,35335	13,17351	11,96038	10,71614
3	20,29309	19,27909	18,22331	17,12639	15,98929	14,81329	13,59995	12,35123	11,06938
3,1	20,85195	19,81714	18,73851	17,61667	16,45253	15,24737	14,00277	12,72072	11,40357
3,2	21,37698	20,3231	19,22343	18,07855	16,88933	15,65702	14,38323	13,06998	11,71969
3,3	21,87035	20,79897	19,67993	18,51374	17,30124	16,04365	14,74259	13,40012	12,0187
3,4	22,33414	21,24668	20,10978	18,92387	17,68974	16,4086	15,08206	13,71221	12,30156
3,5	22,7703	21,66807	20,51468	19,3105	18,05627	16,75317	15,40281	14,00729	12,56918
3,6	23,18069	22,06487	20,89624	19,67512	18,4022	17,07861	15,70596	14,28635	12,82243
3,7	23,56703	22,43869	21,25597	20,01913	18,7288	17,38608	15,99256	14,55036	13,06216
3,8	23,93096	22,79106	21,5953	20,34385	19,03729	17,67669	16,26362	14,80021	13,28915
3,9	24,27397	23,12341	21,91556	20,65052	19,32883	17,95151	16,52011	15,03675	13,50418
4	24,5975	23,43706	22,21799	20,94031	19,60449	18,21151	16,7629	15,2608	13,70795
4,1	24,90283	23,73326	22,50376	21,21429	19,86527	18,45762	16,99286	15,4731	13,90115
4,2	25,1912	24,01317	22,77397	21,4735	20,11212	18,69071	17,21076	15,67439	14,0844
4,3	25,46374	24,27784	23,02961	21,71886	20,34591	18,91159	17,41736	15,86532	14,2583
4,4	25,72149	24,52828	23,27163	21,95128	20,56747	19,12102	17,61334	16,04652	14,42342
4,5	25,96543	24,76542	23,5009	22,17156	20,77757	19,31971	17,79935	16,21859	14,58028
4,6	26,19646	24,99011	23,71824	22,38047	20,97693	19,50832	17,97601	16,38207	14,72937
4,7	26,41542	25,20316	23,92441	22,57873	21,16619	19,68747	18,14387	16,53748	14,87115
4,8	26,62308	25,4053	24,1201	22,767	21,346	19,85773	18,30347	16,68529	15,00606
4,9	26,82017	25,59721	24,30598	22,94589	21,51692	20,01964	18,45531	16,82597	15,13449
5	27,00734	25,77955	24,48264	23,11599	21,6795	20,17371	18,59984	16,95992	15,25683
5,1	27,18522	25,9529	24,65066	23,27781	21,83423	20,32039	18,7375	17,08755	15,37343
5,2	27,35439	26,11781	24,81055	23,43187	21,98159	20,46013	18,86868	17,20922	15,48461
5,3	27,51538	26,2748	24,96281	23,57863	22,122	20,59334	18,99377	17,32526	15,59069
5,4	27,66867	26,42433	25,10789	23,71851	22,25588	20,72038	19,11311	17,43601	15,69196
5,5	27,81475	26,56687	25,24622	23,85192	22,38361	20,84162	19,22703	17,54176	15,78869
5,6	27,95402	26,7028	25,37819	23,97923	22,50553	20,95739	19,33584	17,6428	15,88112
5,7	28,0869	26,83253	25,50416	24,10079	22,62199	21,06799	19,43982	17,73937	15,9695
5,8	28,21375	26,95641	25,62448	24,21693	22,73327	21,17372	19,53925	17,83174	16,05405
5,9	28,33492	27,07477	25,73948	24,32795	22,83969	21,27484	19,63437	17,92013	16,13497
6	28,45073	27,18792	25,84944	24,43415	22,94149	21,3716	19,72541	18,00475	16,21246

M\β	86,5	87	87,5	88	88,5	89	89,5	90
	no	no	no	no	no	no	no	no
1,1	0,577683	0,498355	0,417555	0,335526	0,252509	0,168752	0,0845	0
1,2	1,177467	1,013378	0,847394	0,679825	0,510985	0,341189	0,170754	0
1,3	1,78172	1,532444	1,280753	1,027041	0,771706	0,515151	0,257779	0
1,4	2,384512	2,05049	1,713428	1,37382	1,032164	0,688968	0,344742	0
1,5	2,980788	2,563198	2,141831	1,717296	1,290213	0,861212	0,430927	0
1,6	3,56635	3,066975	2,562972	2,055083	1,544066	1,030692	0,515741	0
1,7	4,137817	3,55892	2,974432	2,385245	1,792271	1,196441	0,598699	0
1,8	4,69255	4,036764	3,374316	2,706261	2,033684	1,357695	0,67942	0
1,9	5,228579	4,498802	3,761191	3,01698	2,26744	1,513875	0,757614	0
2	5,744514	4,943824	4,134037	3,316576	2,492914	1,664564	0,83307	0
2,1	6,239465	5,371044	4,492183	3,604503	2,709689	1,809479	0,905648	0
2,2	6,712956	5,78003	4,83525	3,880446	2,917525	1,948457	0,975264	0
2,3	7,164855	6,170642	5,163105	4,144286	3,116323	2,08143	1,041884	0
2,4	7,595303	6,542975	5,475808	4,396061	3,306106	2,20841	1,105512	0
2,5	8,00466	6,897313	5,773577	4,635931	3,486987	2,329468	1,166183	0
2,6	8,393449	7,23408	6,05675	4,864157	3,659155	2,444727	1,223957	0
2,7	8,762319	7,55381	6,325755	5,08107	3,822851	2,554345	1,278914	0
2,8	9,112004	7,857112	6,581085	5,287054	3,978359	2,658508	1,331144	0
2,9	9,443297	8,144648	6,823278	5,482533	4,125991	2,757422	1,38075	0
3	9,757027	8,417112	7,052902	5,667951	4,266075	2,851304	1,42784	0
3,1	10,05404	8,675214	7,270536	5,843766	4,39895	2,940377	1,472525	0
3,2	10,33517	8,919665	7,476767	6,01044	4,52496	3,024869	1,514918	0
3,3	10,60127	9,151171	7,672173	6,168431	4,644445	3,105005	1,555131	0
3,4	10,85314	9,370424	7,857326	6,318193	4,757742	3,181009	1,593276	0
3,5	11,09159	9,578094	8,032778	6,460164	4,865179	3,253097	1,629461	0
3,6	11,31736	9,774829	8,199066	6,594769	4,967072	3,32148	1,66379	0
3,7	11,53118	9,961249	8,356704	6,722419	5,063728	3,386362	1,696366	0
3,8	11,73377	10,13795	8,506183	6,843503	5,155437	3,447937	1,727285	0
3,9	11,92576	10,30549	8,647971	6,958396	5,242481	3,506389	1,75664	0
4	12,1078	10,46441	8,782512	7,067452	5,325124	3,561897	1,784519	0
4,1	12,28046	10,61521	8,910228	7,171007	5,403617	3,614627	1,811006	0
4,2	12,44431	10,75837	9,031514	7,269379	5,478199	3,664738	1,83618	0
4,3	12,59987	10,89433	9,146746	7,362867	5,549094	3,71238	1,860116	0
4,4	12,74763	11,02353	9,256277	7,451753	5,616514	3,757694	1,882885	0
4,5	12,88805	11,14636	9,360437	7,536303	5,680659	3,800813	1,904553	0
4,6	13,02157	11,26318	9,459539	7,616767	5,741716	3,841862	1,925182	0
4,7	13,14859	11,37436	9,553875	7,69338	5,799862	3,88096	1,944833	0
4,8	13,26949	11,48021	9,643719	7,766362	5,855263	3,918217	1,96356	0
4,9	13,38463	11,58105	9,729329	7,83592	5,908074	3,953737	1,981415	0
5	13,49433	11,67716	9,810945	7,902248	5,958441	3,987617	1,998447	0
5,1	13,59892	11,76881	9,888795	7,965527	6,0065	4,019949	2,014702	0
5,2	13,69869	11,85625	9,963089	8,025928	6,052382	4,05082	2,030223	0
5,3	13,7939	11,93973	10,03403	8,083612	6,096205	4,080309	2,045051	0
5,4	13,88482	12,01946	10,10179	8,138727	6,138084	4,108492	2,059223	0
5,5	13,97168	12,09565	10,16657	8,191415	6,178123	4,13544	2,072775	0
5,6	14,0547	12,16849	10,2285	8,241808	6,216424	4,161221	2,08574	0
5,7	14,13411	12,23817	10,28777	8,290028	6,253079	4,185895	2,098151	0
5,8	14,21008	12,30486	10,34449	8,336194	6,288175	4,209524	2,110035	0
5,9	14,28282	12,36871	10,39882	8,380413	6,321796	4,23216	2,121421	0
6	14,35249	12,42988	10,45087	8,422787	6,354018	4,253857	2,132335	0