

*MOMENTS OF THE LARGEST ORDER STATISTIC FOR
SAMPLES FROM A GAMMA DISTRIBUTION*

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DM 453-IR NOVEMBER, 1987

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ABSTRACT

Let X_1, X_2, \dots, X_n be a random sample of size n from a Gamma distribution of the form

$$f(x) = e^{-x} x^{\alpha-1} / \Gamma(\alpha) \quad \text{for } x > 0.$$

Let $Y = \max(X_1, X_2, \dots, X_n)$ be the largest of the n observations. In this paper we give the mean (μ_1), variance (μ_2), and the third and fourth moments about the mean (μ_3 and μ_4 respectively) of the distribution of Y .

Tables are given for values of $n = 2(1)50$; and $\alpha = 0.5(0.5)10(1)25$.

TABLE 1.1: MOMENTS OF THE LARGEST ORDER STATISTIC FROM A SAMPLE OF SIZE n FROM A GAMMA DISTRIBUTION WITH PARAMETER $\alpha=0.5$

n	μ_1'	μ_2	μ_3	μ_4
2	0.81830989D+00	0.71698870D+00	0.13175818D+01	0.52868236D+01
3	0.10513289D+01	0.83925344D+00	0.14658413D+01	0.61688269D+01
4	0.12351052D+01	0.91856426D+00	0.15510590D+01	0.67581511D+01
5	0.13868745D+01	0.97470157D+00	0.16066903D+01	0.71873275D+01
6	0.15161815D+01	0.10168505D+01	0.16462034D+01	0.75177637D+01
7	0.16288558D+01	0.10498662D+01	0.16759785D+01	0.77823113D+01
8	0.17287169D+01	0.10765641D+01	0.16994090D+01	0.80003374D+01
9	0.18184025D+01	0.10986938D+01	0.17184618D+01	0.81840907D+01
10	0.18998104D+01	0.11174027D+01	0.17343560D+01	0.83417429D+01
11	0.19743518D+01	0.11334765D+01	0.17478879D+01	0.84789797D+01
12	0.20431044D+01	0.11474725D+01	0.17596008D+01	0.85998944D+01
13	0.21069100D+01	0.11597976D+01	0.17698788D+01	0.87075177D+01
14	0.21664388D+01	0.11707565D+01	0.17790014D+01	0.88041476D+01
15	0.22222331D+01	0.11805821D+01	0.17871776D+01	0.88915618D+01
16	0.22747378D+01	0.11894559D+01	0.17945667D+01	0.89711601D+01
17	0.23243226D+01	0.11975213D+01	0.18012929D+01	0.90440614D+01
18	0.23712980D+01	0.12048936D+01	0.18074543D+01	0.91111723D+01
19	0.24159271D+01	0.12116666D+01	0.18131296D+01	0.91732361D+01
20	0.24584354D+01	0.12179171D+01	0.18183830D+01	0.92308687D+01
21	0.24990169D+01	0.12237091D+01	0.18232670D+01	0.92845856D+01
22	0.25378403D+01	0.12290961D+01	0.18278256D+01	0.93348215D+01
23	0.25750529D+01	0.12341234D+01	0.18320954D+01	0.93819466D+01
24	0.26107842D+01	0.12388294D+01	0.18361076D+01	0.94262776D+01
25	0.26451485D+01	0.12432472D+01	0.18398888D+01	0.94680879D+01
26	0.26782476D+01	0.12474052D+01	0.18434616D+01	0.95076145D+01
27	0.27101721D+01	0.12513281D+01	0.18468459D+01	0.95450645D+01
28	0.27410031D+01	0.12550374D+01	0.18500587D+01	0.95806190D+01
29	0.27708138D+01	0.12585521D+01	0.18531151D+01	0.96144380D+01
30	0.27996700D+01	0.12618888D+01	0.18560283D+01	0.96466628D+01
31	0.28276315D+01	0.12650621D+01	0.18588098D+01	0.96774193D+01
32	0.28547527D+01	0.12680852D+01	0.18614701D+01	0.97068195D+01
33	0.28810828D+01	0.12709698D+01	0.18640183D+01	0.97349640D+01
34	0.29066672D+01	0.12737261D+01	0.18664626D+01	0.97619428D+01
35	0.29315472D+01	0.12763637D+01	0.18688106D+01	0.97878374D+01
36	0.29557610D+01	0.12788909D+01	0.18710687D+01	0.98127214D+01
37	0.29793435D+01	0.12813153D+01	0.18732431D+01	0.98366613D+01
38	0.30023271D+01	0.12836439D+01	0.18753392D+01	0.98597178D+01
39	0.30247417D+01	0.12858829D+01	0.18773619D+01	0.98819461D+01
40	0.30466151D+01	0.12880381D+01	0.18793157D+01	0.99033969D+01
41	0.30679729D+01	0.12901146D+01	0.18812048D+01	0.99241162D+01
42	0.30888391D+01	0.12921172D+01	0.18830330D+01	0.99441465D+01
43	0.31092360D+01	0.12940504D+01	0.18848038D+01	0.99635269D+01
44	0.31291844D+01	0.12959180D+01	0.18865202D+01	0.99822933D+01
45	0.31487038D+01	0.12977238D+01	0.18881853D+01	0.10000479D+02
46	0.31678123D+01	0.12994713D+01	0.18898018D+01	0.10018115D+02
47	0.31865271D+01	0.13011636D+01	0.18913721D+01	0.10035229D+02
48	0.32048641D+01	0.13028035D+01	0.18928987D+01	0.10051848D+02
49	0.32228385D+01	0.13043939D+01	0.18943837D+01	0.10067996D+02
50	0.32404643D+01	0.13059372D+01	0.18958291D+01	0.10083697D+02

TABLE 1.2: MOMENTS OF THE LARGEST ORDER STATISTIC FROM A SAMPLE OF SIZE n FROM A GAMMA DISTRIBUTION WITH PARAMETER $\alpha=1.0$

n	μ_1'	μ_2	μ_3	μ_4
2	0.15000000D+01	0.12500000D+01	0.22500000D+01	0.11062500D+02
3	0.18333333D+01	0.13611111D+01	0.23240741D+01	0.12006944D+02
4	0.20833333D+01	0.14236111D+01	0.23553241D+01	0.12552517D+02
5	0.22833333D+01	0.14636111D+01	0.23713241D+01	0.12908584D+02
6	0.24500000D+01	0.14913889D+01	0.23805833D+01	0.13159464D+02
7	0.25928571D+01	0.15117971D+01	0.23864142D+01	0.13345831D+02
8	0.27178571D+01	0.15274221D+01	0.23903205D+01	0.13489759D+02
9	0.28289683D+01	0.15397677D+01	0.23930640D+01	0.13604273D+02
10	0.29289683D+01	0.15497677D+01	0.23950640D+01	0.13697560D+02
11	0.30198773D+01	0.15580322D+01	0.23965666D+01	0.13775022D+02
12	0.31032107D+01	0.15649766D+01	0.23977240D+01	0.13840374D+02
13	0.31801338D+01	0.15708938D+01	0.23986343D+01	0.13896251D+02
14	0.32515623D+01	0.15759958D+01	0.23993632D+01	0.13944574D+02
15	0.33182290D+01	0.15804403D+01	0.23999558D+01	0.13986778D+02
16	0.33807290D+01	0.15843465D+01	0.24004441D+01	0.14023957D+02
17	0.34395525D+01	0.15878067D+01	0.24008512D+01	0.14056958D+02
18	0.34951081D+01	0.15908932D+01	0.24011941D+01	0.14086447D+02
19	0.35477397D+01	0.15936632D+01	0.24014857D+01	0.14112958D+02
20	0.35977397D+01	0.15961632D+01	0.24017357D+01	0.14136919D+02
21	0.36453587D+01	0.15984308D+01	0.24019516D+01	0.14158682D+02
22	0.36908133D+01	0.16004969D+01	0.24021395D+01	0.14178535D+02
23	0.37342915D+01	0.16023873D+01	0.24023039D+01	0.14196721D+02
24	0.37759582D+01	0.16041234D+01	0.24024485D+01	0.14213439D+02
25	0.38159582D+01	0.16057234D+01	0.24025765D+01	0.14228862D+02
26	0.38544197D+01	0.16072027D+01	0.24026903D+01	0.14243134D+02
27	0.38914568D+01	0.16085744D+01	0.24027919D+01	0.14256378D+02
28	0.39271710D+01	0.16098499D+01	0.24028830D+01	0.14268704D+02
29	0.39616538D+01	0.16110390D+01	0.24029650D+01	0.14280202D+02
30	0.39949871D+01	0.16121501D+01	0.24030391D+01	0.14290953D+02
31	0.40272452D+01	0.16131907D+01	0.24031062D+01	0.14301028D+02
32	0.40584952D+01	0.16141673D+01	0.24031673D+01	0.14310489D+02
33	0.40887982D+01	0.16150855D+01	0.24032229D+01	0.14319390D+02
34	0.41182100D+01	0.16159506D+01	0.24032738D+01	0.14327780D+02
35	0.41467814D+01	0.16167669D+01	0.24033205D+01	0.14335700D+02
36	0.41745592D+01	0.16175385D+01	0.24033633D+01	0.14343191D+02
37	0.42015862D+01	0.16182690D+01	0.24034028D+01	0.14350285D+02
38	0.42279020D+01	0.16189615D+01	0.24034393D+01	0.14357013D+02
39	0.42535430D+01	0.16196190D+01	0.24034730D+01	0.14363404D+02
40	0.42785430D+01	0.16202440D+01	0.24035042D+01	0.14369481D+02
41	0.43029333D+01	0.16208388D+01	0.24035333D+01	0.14375267D+02
42	0.43267428D+01	0.16214057D+01	0.24035602D+01	0.14380783D+02
43	0.43499986D+01	0.16219466D+01	0.24035854D+01	0.14386047D+02
44	0.43727259D+01	0.16224631D+01	0.24036089D+01	0.14391076D+02
45	0.43949481D+01	0.16229569D+01	0.24036308D+01	0.14395886D+02
46	0.44166872D+01	0.16234295D+01	0.24036514D+01	0.14400490D+02
47	0.44379638D+01	0.16238822D+01	0.24036706D+01	0.14404901D+02
48	0.44587972D+01	0.16243162D+01	0.24036887D+01	0.14409132D+02
49	0.44792053D+01	0.16247327D+01	0.24037057D+01	0.14413192D+02
50	0.44992053D+01	0.16251327D+01	0.24037217D+01	0.14417093D+02

TABLE 1.3: MOMENTS OF THE LARGEST ORDER STATISTIC FROM A SAMPLE OF SIZE n FROM A GAMMA DISTRIBUTION WITH PARAMETER $\alpha=1.5$

n	μ_1'	μ_2	μ_3	μ_4
2	0.21366198D+01	0.17313350D+01	0.30959451D+01	0.17815828D+02
3	0.25413990D+01	0.18142299D+01	0.30839800D+01	0.18534844D+02
4	0.28378714D+01	0.18537224D+01	0.30623326D+01	0.18859093D+02
5	0.30715935D+01	0.18754190D+01	0.30421386D+01	0.19022596D+02
6	0.32643882D+01	0.18883601D+01	0.30247173D+01	0.19108431D+02
7	0.34283914D+01	0.18964698D+01	0.30098244D+01	0.19152569D+02
8	0.35710453D+01	0.19016949D+01	0.29970090D+01	0.19172696D+02
9	0.36972409D+01	0.19050965D+01	0.29858674D+01	0.19178317D+02
10	0.38103639D+01	0.19072948D+01	0.29760779D+01	0.19174885D+02
11	0.39128548D+01	0.19086725D+01	0.29673914D+01	0.19165689D+02
12	0.40065300D+01	0.19094759D+01	0.29596150D+01	0.19152791D+02
13	0.40927780D+01	0.19098692D+01	0.29525983D+01	0.19137523D+02
14	0.41726840D+01	0.19099651D+01	0.29462227D+01	0.19120768D+02
15	0.42471119D+01	0.19098427D+01	0.29403936D+01	0.19103122D+02
16	0.43167606D+01	0.19095589D+01	0.29350348D+01	0.19084990D+02
17	0.43822038D+01	0.19091551D+01	0.29300839D+01	0.19066655D+02
18	0.44439177D+01	0.19086618D+01	0.29254898D+01	0.19048311D+02
19	0.45023022D+01	0.19081021D+01	0.29212096D+01	0.19030095D+02
20	0.45576963D+01	0.19074934D+01	0.29172076D+01	0.19012099D+02
21	0.46103899D+01	0.19068490D+01	0.29134535D+01	0.18994389D+02
22	0.46606327D+01	0.19061791D+01	0.29099213D+01	0.18977006D+02
23	0.47086413D+01	0.19054917D+01	0.29065890D+01	0.18959979D+02
24	0.47546050D+01	0.19047930D+01	0.29034373D+01	0.18943324D+02
25	0.47986900D+01	0.19040878D+01	0.29004495D+01	0.18927049D+02
26	0.48410431D+01	0.19033799D+01	0.28976111D+01	0.18911156D+02
27	0.48817946D+01	0.19026723D+01	0.28949094D+01	0.18895644D+02
28	0.49210604D+01	0.19019673D+01	0.28923330D+01	0.18880509D+02
29	0.49589447D+01	0.19012668D+01	0.28898719D+01	0.18865742D+02
30	0.49955409D+01	0.19005723D+01	0.28875173D+01	0.18851337D+02
31	0.50309332D+01	0.18998847D+01	0.28852611D+01	0.18837282D+02
32	0.50651980D+01	0.18992049D+01	0.28830964D+01	0.18823569D+02
33	0.50984045D+01	0.18985337D+01	0.28810165D+01	0.18810188D+02
34	0.51306158D+01	0.18978714D+01	0.28790159D+01	0.18797126D+02
35	0.51618896D+01	0.18972184D+01	0.28770892D+01	0.18784374D+02
36	0.51922786D+01	0.18965750D+01	0.28752317D+01	0.18771922D+02
37	0.52218313D+01	0.18959412D+01	0.28734390D+01	0.18759759D+02
38	0.52505922D+01	0.18953173D+01	0.28717072D+01	0.18747876D+02
39	0.52786025D+01	0.18947031D+01	0.28700326D+01	0.18736261D+02
40	0.53059002D+01	0.18940987D+01	0.28684121D+01	0.18724907D+02
41	0.53325205D+01	0.18935040D+01	0.28668424D+01	0.18713804D+02
42	0.53584959D+01	0.18929189D+01	0.28653209D+01	0.18702942D+02
43	0.53838570D+01	0.18923432D+01	0.28638448D+01	0.18692315D+02
44	0.54086319D+01	0.18917770D+01	0.28624119D+01	0.18681913D+02
45	0.54328469D+01	0.18912199D+01	0.28610199D+01	0.18671728D+02
46	0.54565268D+01	0.18906719D+01	0.28596668D+01	0.18661754D+02
47	0.54796946D+01	0.18901328D+01	0.28583506D+01	0.18651984D+02
48	0.55023718D+01	0.18896024D+01	0.28570696D+01	0.18642409D+02
49	0.55245787D+01	0.18890805D+01	0.28558221D+01	0.18633024D+02
50	0.55463343D+01	0.18885670D+01	0.28546065D+01	0.18623823D+02

TABLE 1.4: MOMENTS OF THE LARGEST ORDER STATISTIC FROM A SAMPLE OF SIZE n FROM A GAMMA DISTRIBUTION WITH PARAMETER $\alpha=2.0$

n	μ_1'	μ_2	μ_3	μ_4
2	0.27500000D+01	0.21875000D+01	0.39062500D+01	0.25582031D+02
3	0.32129630D+01	0.22355110D+01	0.38059255D+01	0.25828603D+02
4	0.35471644D+01	0.22498492D+01	0.37326397D+01	0.25784050D+02
5	0.38082721D+01	0.22525964D+01	0.36777999D+01	0.25657005D+02
6	0.40223115D+01	0.22506468D+01	0.36350578D+01	0.25507820D+02
7	0.42035344D+01	0.22466592D+01	0.36005736D+01	0.25357118D+02
8	0.43605859D+01	0.22417985D+01	0.35719768D+01	0.25212344D+02
9	0.44991014D+01	0.22366170D+01	0.35477380D+01	0.25076003D+02
10	0.46229571D+01	0.22313894D+01	0.35268279D+01	0.24948615D+02
11	0.47349321D+01	0.22262545D+01	0.35085270D+01	0.24829896D+02
12	0.48370862D+01	0.22212815D+01	0.34923167D+01	0.24719251D+02
13	0.49309879D+01	0.22165020D+01	0.34778124D+01	0.24615993D+02
14	0.50178591D+01	0.22119277D+01	0.34647223D+01	0.24519442D+02
15	0.50986699D+01	0.22075589D+01	0.34528207D+01	0.24428958D+02
16	0.51742033D+01	0.22033899D+01	0.34419296D+01	0.24343962D+02
17	0.52451001D+01	0.21994121D+01	0.34319067D+01	0.24263936D+02
18	0.53118917D+01	0.21956152D+01	0.34226365D+01	0.24188417D+02
19	0.53750232D+01	0.21919885D+01	0.34140244D+01	0.24116997D+02
20	0.54348716D+01	0.21885215D+01	0.34059917D+01	0.24049313D+02
21	0.54917583D+01	0.21852040D+01	0.33984725D+01	0.23985045D+02
22	0.55459602D+01	0.21820263D+01	0.33914112D+01	0.23923906D+02
23	0.55977170D+01	0.21789792D+01	0.33847604D+01	0.23865644D+02
24	0.56472380D+01	0.21760543D+01	0.33784793D+01	0.23810031D+02
25	0.56947067D+01	0.21732439D+01	0.33725327D+01	0.23756865D+02
26	0.57402849D+01	0.21705407D+01	0.33668901D+01	0.23705963D+02
27	0.57841162D+01	0.21679380D+01	0.33615248D+01	0.23657164D+02
28	0.58263285D+01	0.21654297D+01	0.33564133D+01	0.23610319D+02
29	0.58670361D+01	0.21630101D+01	0.33515349D+01	0.23565294D+02
30	0.59063416D+01	0.21606739D+01	0.33468712D+01	0.23521969D+02
31	0.59443377D+01	0.21584164D+01	0.33424057D+01	0.23480234D+02
32	0.59811080D+01	0.21562331D+01	0.33381240D+01	0.23439988D+02
33	0.60167285D+01	0.21541199D+01	0.33340127D+01	0.23401141D+02
34	0.60512684D+01	0.21520729D+01	0.33300602D+01	0.23363609D+02
35	0.60847908D+01	0.21500886D+01	0.33262557D+01	0.23327314D+02
36	0.61173534D+01	0.21481637D+01	0.33225896D+01	0.23292187D+02
37	0.61490092D+01	0.21462953D+01	0.33190530D+01	0.23258162D+02
38	0.61798069D+01	0.21444803D+01	0.33156379D+01	0.23225179D+02
39	0.62097915D+01	0.21427163D+01	0.33123371D+01	0.23193184D+02
40	0.62390044D+01	0.21410008D+01	0.33091438D+01	0.23162124D+02
41	0.62674841D+01	0.21393314D+01	0.33060518D+01	0.23131952D+02
42	0.62952662D+01	0.21377059D+01	0.33030556D+01	0.23102624D+02
43	0.63223837D+01	0.21361225D+01	0.33001499D+01	0.23074099D+02
44	0.63488675D+01	0.21345792D+01	0.32973298D+01	0.23046339D+02
45	0.63747462D+01	0.21330743D+01	0.32945910D+01	0.23019307D+02
46	0.64000468D+01	0.21316060D+01	0.32919293D+01	0.22992970D+02
47	0.64247942D+01	0.21301729D+01	0.32893408D+01	0.22967298D+02
48	0.64490120D+01	0.21287734D+01	0.32868221D+01	0.22942260D+02
49	0.64727222D+01	0.21274062D+01	0.32843698D+01	0.22917830D+02
50	0.64959454D+01	0.21260700D+01	0.32819807D+01	0.22893980D+02

TABLE 1.5: MOMENTS OF THE LARGEST ORDER STATISTIC FROM A SAMPLE OF SIZE n FROM A GAMMA DISTRIBUTION WITH PARAMETER $\alpha=2.5$

n	μ_1'	μ_2	μ_3	μ_4
2	0.33488264D+01	0.26283202D+01	0.46982705D+01	0.34352165D+02
3	0.38620622D+01	0.26377132D+01	0.45090698D+01	0.33890887D+02
4	0.42288341D+01	0.26257206D+01	0.43849842D+01	0.33340635D+02
5	0.45135973D+01	0.26091639D+01	0.42963132D+01	0.32833114D+02
6	0.47460048D+01	0.25922898D+01	0.42289071D+01	0.32384989D+02
7	0.49421305D+01	0.25763093D+01	0.41753511D+01	0.31991452D+02
8	0.51116541D+01	0.25615281D+01	0.41313878D+01	0.31644269D+02
9	0.52608516D+01	0.25479548D+01	0.40943893D+01	0.31335742D+02
10	0.53940208D+01	0.25355010D+01	0.40626376D+01	0.31059455D+02
11	0.55142322D+01	0.25240531D+01	0.40349572D+01	0.30810224D+02
12	0.56237549D+01	0.25134984D+01	0.40105133D+01	0.30583888D+02
13	0.57243124D+01	0.25037341D+01	0.39886946D+01	0.30377096D+02
14	0.58172445D+01	0.24946695D+01	0.39690415D+01	0.30187127D+02
15	0.59036126D+01	0.24862261D+01	0.39512011D+01	0.30011757D+02
16	0.59842721D+01	0.24783358D+01	0.39348969D+01	0.29849149D+02
17	0.60599221D+01	0.24709401D+01	0.39199090D+01	0.29697772D+02
18	0.61311413D+01	0.24639883D+01	0.39060597D+01	0.29556341D+02
19	0.61984140D+01	0.24574365D+01	0.38932038D+01	0.29423769D+02
20	0.62621496D+01	0.24512465D+01	0.38812212D+01	0.29299130D+02
21	0.63226973D+01	0.24453851D+01	0.38700113D+01	0.29181627D+02
22	0.63803571D+01	0.24398229D+01	0.38594896D+01	0.29070574D+02
23	0.64353889D+01	0.24345343D+01	0.38495841D+01	0.28965372D+02
24	0.64880191D+01	0.24294966D+01	0.38402330D+01	0.28865502D+02
25	0.65384461D+01	0.24246895D+01	0.38313833D+01	0.28770505D+02
26	0.65868451D+01	0.24200952D+01	0.38229888D+01	0.28679977D+02
27	0.66333709D+01	0.24156975D+01	0.38150091D+01	0.28593560D+02
28	0.66781616D+01	0.24114822D+01	0.38074090D+01	0.28510936D+02
29	0.67213406D+01	0.24074363D+01	0.38001571D+01	0.28431820D+02
30	0.67630185D+01	0.24035481D+01	0.37932259D+01	0.28355959D+02
31	0.68032950D+01	0.23998070D+01	0.37865908D+01	0.28283121D+02
32	0.68422603D+01	0.23962034D+01	0.37802297D+01	0.28213101D+02
33	0.68799963D+01	0.23927288D+01	0.37741231D+01	0.28145711D+02
34	0.69165771D+01	0.23893750D+01	0.37682531D+01	0.28080781D+02
35	0.69520708D+01	0.23861348D+01	0.37626038D+01	0.28018156D+02
36	0.69865393D+01	0.23830016D+01	0.37571606D+01	0.27957696D+02
37	0.70200396D+01	0.23799693D+01	0.37519105D+01	0.27899270D+02
38	0.70526241D+01	0.23770322D+01	0.37468414D+01	0.27842762D+02
39	0.70843410D+01	0.23741851D+01	0.37419424D+01	0.27788061D+02
40	0.71152347D+01	0.23714232D+01	0.37372034D+01	0.27735069D+02
41	0.71453465D+01	0.23687422D+01	0.37326153D+01	0.27683691D+02
42	0.71747146D+01	0.23661378D+01	0.37281697D+01	0.27633844D+02
43	0.72033744D+01	0.23636062D+01	0.37238587D+01	0.27585447D+02
44	0.72313590D+01	0.23611440D+01	0.37196751D+01	0.27538428D+02
45	0.72586991D+01	0.23587478D+01	0.37156124D+01	0.27492718D+02
46	0.72854235D+01	0.23564144D+01	0.37116644D+01	0.27448254D+02
47	0.73115589D+01	0.23541411D+01	0.37078253D+01	0.27404977D+02
48	0.73371306D+01	0.23519251D+01	0.37040899D+01	0.27362831D+02
49	0.73621620D+01	0.23497639D+01	0.37004531D+01	0.27321765D+02
50	0.73866754D+01	0.23476551D+01	0.36969104D+01	0.27281731D+02

TABLE 1.6: MOMENTS OF THE LARGEST ORDER STATISTIC FROM A SAMPLE OF SIZE n FROM A GAMMA DISTRIBUTION WITH PARAMETER $\alpha=3.0$

n	μ_1'	μ_2	μ_3	μ_4
2	0.39375000D+01	0.30585937D+01	0.54799805D+01	0.44110794D+02
3	0.44956276D+01	0.30269013D+01	0.52019776D+01	0.42711261D+02
4	0.48914764D+01	0.29877990D+01	0.50276898D+01	0.41523966D+02
5	0.51973686D+01	0.29516962D+01	0.49056756D+01	0.40550478D+02
6	0.54461939D+01	0.29198649D+01	0.48139663D+01	0.39742917D+02
7	0.56556490D+01	0.28919496D+01	0.47416052D+01	0.39061227D+02
8	0.58363356D+01	0.28673470D+01	0.46824771D+01	0.38476251D+02
9	0.59950994D+01	0.28454988D+01	0.46328744D+01	0.37967035D+02
10	0.61366140D+01	0.28259420D+01	0.45904038D+01	0.37518318D+02
11	0.62642094D+01	0.28083049D+01	0.45534426D+01	0.37118767D+02
12	0.63803413D+01	0.27922899D+01	0.45208460D+01	0.36759796D+02
13	0.64868713D+01	0.27776582D+01	0.44917799D+01	0.36434777D+02
14	0.65852442D+01	0.27642164D+01	0.44656203D+01	0.36138509D+02
15	0.66766030D+01	0.27518064D+01	0.44418892D+01	0.35866846D+02
16	0.67618677D+01	0.27402981D+01	0.44202134D+01	0.35616439D+02
17	0.68417892D+01	0.27295830D+01	0.44002965D+01	0.35384550D+02
18	0.69169886D+01	0.27195702D+01	0.43818997D+01	0.35168912D+02
19	0.69879851D+01	0.27101830D+01	0.43648279D+01	0.34967636D+02
20	0.70552172D+01	0.27013557D+01	0.43489202D+01	0.34779128D+02
21	0.71190587D+01	0.26930322D+01	0.43340419D+01	0.34602034D+02
22	0.71798305D+01	0.26851640D+01	0.43200799D+01	0.34435196D+02
23	0.72378102D+01	0.26777090D+01	0.43069379D+01	0.34277616D+02
24	0.72932398D+01	0.26706303D+01	0.42945336D+01	0.34128429D+02
25	0.73463311D+01	0.26638957D+01	0.42827960D+01	0.33986881D+02
26	0.73972708D+01	0.26574766D+01	0.42716636D+01	0.33852309D+02
27	0.74462242D+01	0.26513479D+01	0.42610825D+01	0.33724131D+02
28	0.74933385D+01	0.26454870D+01	0.42510057D+01	0.33601831D+02
29	0.75387448D+01	0.26398740D+01	0.42413917D+01	0.33484951D+02
30	0.75825613D+01	0.26344908D+01	0.42322035D+01	0.33373081D+02
31	0.76248939D+01	0.26293213D+01	0.42234085D+01	0.33265855D+02
32	0.76658386D+01	0.26243508D+01	0.42149774D+01	0.33162945D+02
33	0.77054824D+01	0.26195663D+01	0.42068841D+01	0.33064052D+02
34	0.77439043D+01	0.26149556D+01	0.41991049D+01	0.32968908D+02
35	0.77811764D+01	0.26105079D+01	0.41916186D+01	0.32877269D+02
36	0.78173647D+01	0.26062132D+01	0.41844059D+01	0.32788914D+02
37	0.78525297D+01	0.26020624D+01	0.41774493D+01	0.32703641D+02
38	0.78867268D+01	0.25980472D+01	0.41707329D+01	0.32621264D+02
39	0.79200073D+01	0.25941598D+01	0.41642422D+01	0.32541614D+02
40	0.79524185D+01	0.25903933D+01	0.41579638D+01	0.32464536D+02
41	0.79840040D+01	0.25867410D+01	0.41518855D+01	0.32389886D+02
42	0.80148044D+01	0.25831970D+01	0.41459962D+01	0.32317533D+02
43	0.80448571D+01	0.25797557D+01	0.41402854D+01	0.32247353D+02
44	0.80741974D+01	0.25764119D+01	0.41347437D+01	0.32179234D+02
45	0.81028576D+01	0.25731608D+01	0.41293623D+01	0.32113072D+02
46	0.81308683D+01	0.25699979D+01	0.41241329D+01	0.32048769D+02
47	0.81582579D+01	0.25669190D+01	0.41190479D+01	0.31986234D+02
48	0.81850530D+01	0.25639202D+01	0.41141004D+01	0.31925383D+02
49	0.82112786D+01	0.25609980D+01	0.41092838D+01	0.31866138D+02
50	0.82369580D+01	0.25581488D+01	0.41045919D+01	0.31808424D+02

TABLE 1.7: MOMENTS OF THE LARGEST ORDER STATISTIC FROM A SAMPLE OF SIZE n FROM A GAMMA DISTRIBUTION WITH PARAMETER $\alpha=3.5$

n	μ_1'	μ_2	μ_3	μ_4
2	0.45185916D+01	0.34810627D+01	0.62556977D+01	0.54842637D+02
3	0.51176516D+01	0.34064959D+01	0.58892212D+01	0.52277079D+02
4	0.55400117D+01	0.33397149D+01	0.56651894D+01	0.50324892D+02
5	0.58651771D+01	0.32838834D+01	0.55101503D+01	0.48802830D+02
6	0.61289857D+01	0.32370634D+01	0.53943484D+01	0.47577614D+02
7	0.63506120D+01	0.31972478D+01	0.53033233D+01	0.46564252D+02
8	0.65414961D+01	0.31628887D+01	0.52291261D+01	0.45707548D+02
9	0.67090029D+01	0.31328437D+01	0.51669856D+01	0.44970327D+02
10	0.68581476D+01	0.31062676D+01	0.51138426D+01	0.44326640D+02
11	0.69924967D+01	0.30825257D+01	0.50676330D+01	0.43757796D+02
12	0.71146756D+01	0.30611338D+01	0.50269063D+01	0.43249957D+02
13	0.72266719D+01	0.30417157D+01	0.49906085D+01	0.42792636D+02
14	0.73300259D+01	0.30239744D+01	0.49579528D+01	0.42377724D+02
15	0.74259550D+01	0.30076727D+01	0.49283376D+01	0.41998834D+02
16	0.75154379D+01	0.29926177D+01	0.49012940D+01	0.41650863D+02
17	0.75992731D+01	0.29786516D+01	0.48764497D+01	0.41329673D+02
18	0.76781200D+01	0.29656432D+01	0.48535054D+01	0.41031870D+02
19	0.77525297D+01	0.29534829D+01	0.48322166D+01	0.40754639D+02
20	0.78229675D+01	0.29420780D+01	0.48123816D+01	0.40495624D+02
21	0.78898292D+01	0.29313496D+01	0.47938321D+01	0.40252833D+02
22	0.79534551D+01	0.29212300D+01	0.47764265D+01	0.40024570D+02
23	0.80141390D+01	0.29116609D+01	0.47600443D+01	0.39809382D+02
24	0.80721369D+01	0.29025916D+01	0.47445827D+01	0.39606013D+02
25	0.81276730D+01	0.28939777D+01	0.47299530D+01	0.39413372D+02
26	0.81809445D+01	0.28857804D+01	0.47160782D+01	0.39230505D+02
27	0.82321261D+01	0.28779653D+01	0.47028913D+01	0.39056576D+02
28	0.82813733D+01	0.28705019D+01	0.46903333D+01	0.38890846D+02
29	0.83288248D+01	0.28633633D+01	0.46783524D+01	0.38732661D+02
30	0.83746050D+01	0.28565252D+01	0.46669027D+01	0.38581438D+02
31	0.84188258D+01	0.28499659D+01	0.46559433D+01	0.38436656D+02
32	0.84615885D+01	0.28436660D+01	0.46454377D+01	0.38297849D+02
33	0.85029848D+01	0.28376077D+01	0.46353532D+01	0.38164598D+02
34	0.85430981D+01	0.28317751D+01	0.46256605D+01	0.38036521D+02
35	0.85820043D+01	0.28261538D+01	0.46163328D+01	0.37913277D+02
36	0.86197728D+01	0.28207305D+01	0.46073463D+01	0.37794554D+02
37	0.86564676D+01	0.28154933D+01	0.45986791D+01	0.37680067D+02
38	0.86921469D+01	0.28104309D+01	0.45903113D+01	0.37569558D+02
39	0.87268647D+01	0.28055334D+01	0.45822249D+01	0.37462789D+02
40	0.87606708D+01	0.28007915D+01	0.45744031D+01	0.37359543D+02
41	0.87936112D+01	0.27961966D+01	0.45668308D+01	0.37259621D+02
42	0.88257284D+01	0.27917407D+01	0.45594940D+01	0.37162839D+02
43	0.88570620D+01	0.27874166D+01	0.45523799D+01	0.37069025D+02
44	0.88876488D+01	0.27832176D+01	0.45454764D+01	0.36978025D+02
45	0.89175231D+01	0.27791372D+01	0.45387727D+01	0.36889691D+02
46	0.89467169D+01	0.27751698D+01	0.45322585D+01	0.36803890D+02
47	0.89752601D+01	0.27713097D+01	0.45259244D+01	0.36720496D+02
48	0.90031806D+01	0.27675521D+01	0.45197615D+01	0.36639392D+02
49	0.90305047D+01	0.27638921D+01	0.45137618D+01	0.36560469D+02
50	0.90572570D+01	0.27603253D+01	0.45079175D+01	0.36483626D+02

TABLE 1.8: MOMENTS OF THE LARGEST ORDER STATISTIC FROM A SAMPLE OF SIZE n FROM A GAMMA DISTRIBUTION WITH PARAMETER $\alpha=4.0$

n	μ_1'	μ_2	μ_3	μ_4
2	0.50937500D+01	0.38974609D+01	0.70280151D+01	0.66533887D+02
3	0.57306734D+01	0.37786445D+01	0.65735205D+01	0.62576103D+02
4	0.61775581D+01	0.36837439D+01	0.63001164D+01	0.59733612D+02
5	0.65205588D+01	0.36080379D+01	0.61122718D+01	0.57582433D+02
6	0.67982384D+01	0.35461996D+01	0.59725027D+01	0.55882986D+02
7	0.70311366D+01	0.34945051D+01	0.58628838D+01	0.54495751D+02
8	0.72314684D+01	0.34504346D+01	0.57736550D+01	0.53334457D+02
9	0.74070778D+01	0.34122489D+01	0.56989937D+01	0.52342797D+02
10	0.75632960D+01	0.33787138D+01	0.56351825D+01	0.51482340D+02
11	0.77039079D+01	0.33489288D+01	0.55797206D+01	0.50725858D+02
12	0.78316957D+01	0.33222209D+01	0.55308546D+01	0.50053462D+02
13	0.79487634D+01	0.32980756D+01	0.54873127D+01	0.49450237D+02
14	0.80567396D+01	0.32760923D+01	0.54481463D+01	0.48904748D+02
15	0.81569107D+01	0.32559538D+01	0.54126312D+01	0.48408064D+02
16	0.82503097D+01	0.32374050D+01	0.53802031D+01	0.47953089D+02
17	0.83377787D+01	0.32202383D+01	0.53504146D+01	0.47534103D+02
18	0.84200129D+01	0.32042827D+01	0.53229057D+01	0.47146440D+02
19	0.84975930D+01	0.31893955D+01	0.52973830D+01	0.46786245D+02
20	0.85710086D+01	0.31754572D+01	0.52736041D+01	0.46450303D+02
21	0.86406766D+01	0.31623662D+01	0.52513670D+01	0.46135909D+02
22	0.87069546D+01	0.31500359D+01	0.52305016D+01	0.45840766D+02
23	0.87701516D+01	0.31383918D+01	0.52108637D+01	0.45562910D+02
24	0.88305368D+01	0.31273692D+01	0.51923296D+01	0.45300650D+02
25	0.88883454D+01	0.31169120D+01	0.51747929D+01	0.45052520D+02
26	0.89437847D+01	0.31069709D+01	0.51581615D+01	0.44817243D+02
27	0.89970382D+01	0.30975027D+01	0.51423547D+01	0.44593700D+02
28	0.90482688D+01	0.30884689D+01	0.51273021D+01	0.44380905D+02
29	0.90976222D+01	0.30798357D+01	0.51129414D+01	0.44177986D+02
30	0.91452288D+01	0.30715725D+01	0.50992175D+01	0.43984168D+02
31	0.91912060D+01	0.30636524D+01	0.50860814D+01	0.43798761D+02
32	0.92356600D+01	0.30560508D+01	0.50734894D+01	0.43621146D+02
33	0.92786867D+01	0.30487459D+01	0.50614022D+01	0.43450767D+02
34	0.93203736D+01	0.30417176D+01	0.50497846D+01	0.43287123D+02
35	0.93608003D+01	0.30349481D+01	0.50386048D+01	0.43129760D+02
36	0.94000395D+01	0.30284208D+01	0.50278339D+01	0.42978269D+02
37	0.94381579D+01	0.30221209D+01	0.50174459D+01	0.42832274D+02
38	0.94752167D+01	0.30160346D+01	0.50074168D+01	0.42691436D+02
39	0.95112724D+01	0.30101495D+01	0.49977249D+01	0.42555443D+02
40	0.95463769D+01	0.30044541D+01	0.49883504D+01	0.42424010D+02
41	0.95805785D+01	0.29989378D+01	0.49792750D+01	0.42296875D+02
42	0.96139217D+01	0.29935909D+01	0.49704819D+01	0.42173797D+02
43	0.96464478D+01	0.29884043D+01	0.49619556D+01	0.42054554D+02
44	0.96781954D+01	0.29833696D+01	0.49536820D+01	0.41938940D+02
45	0.97092002D+01	0.29784793D+01	0.49456479D+01	0.41826766D+02
46	0.97394958D+01	0.29737260D+01	0.49378409D+01	0.41717856D+02
47	0.97691132D+01	0.29691032D+01	0.49302499D+01	0.41612046D+02
48	0.97980819D+01	0.29646045D+01	0.49228641D+01	0.41509184D+02
49	0.98264292D+01	0.29602242D+01	0.49156740D+01	0.41409128D+02
50	0.98541807D+01	0.29559569D+01	0.49086701D+01	0.41311747D+02

TABLE 1.9: MOMENTS OF THE LARGEST ORDER STATISTIC FROM A SAMPLE OF SIZE n FROM A GAMMA DISTRIBUTION WITH PARAMETER $\alpha=4.5$

n	μ_1'	μ_2	μ_3	μ_4
2	0.56641047D+01	0.43089649D+01	0.77986037D+01	0.79172343D+02
3	0.63364230D+01	0.41447979D+01	0.72566152D+01	0.73597142D+02
4	0.68062353D+01	0.40214219D+01	0.69341527D+01	0.69740746D+02
5	0.71659146D+01	0.39257212D+01	0.67136600D+01	0.66881472D+02
6	0.74565699D+01	0.38488370D+01	0.65499968D+01	0.64652481D+02
7	0.77000156D+01	0.37852774D+01	0.64218113D+01	0.62850189D+02
8	0.79091904D+01	0.37315285D+01	0.63175527D+01	0.61352271D+02
9	0.80923859D+01	0.36852440D+01	0.62303581D+01	0.60080431D+02
10	0.82552282D+01	0.36447957D+01	0.61558578D+01	0.58981984D+02
11	0.84017062D+01	0.36090145D+01	0.60911183D+01	0.58020019D+02
12	0.85347489D+01	0.35770372D+01	0.60340853D+01	0.57167805D+02
13	0.86565687D+01	0.35482103D+01	0.59832702D+01	0.56405445D+02
14	0.87688770D+01	0.35220291D+01	0.59375640D+01	0.55717780D+02
15	0.88730243D+01	0.34980963D+01	0.58961199D+01	0.55093028D+02
16	0.89700946D+01	0.34760945D+01	0.58582788D+01	0.54521871D+02
17	0.90609708D+01	0.34557664D+01	0.58235183D+01	0.53996832D+02
18	0.91463815D+01	0.34369008D+01	0.57914181D+01	0.53511828D+02
19	0.92269350D+01	0.34193226D+01	0.57616354D+01	0.53061853D+02
20	0.93031439D+01	0.34028852D+01	0.57338874D+01	0.52642744D+02
21	0.93754444D+01	0.33874645D+01	0.57079385D+01	0.52251005D+02
22	0.94442106D+01	0.33729550D+01	0.56835902D+01	0.51883677D+02
23	0.95097657D+01	0.33592661D+01	0.56606740D+01	0.51538233D+02
24	0.95723909D+01	0.33463193D+01	0.56390458D+01	0.51212503D+02
25	0.96323323D+01	0.33340467D+01	0.56185814D+01	0.50904610D+02
26	0.96898064D+01	0.33223888D+01	0.55991733D+01	0.50612921D+02
27	0.97450045D+01	0.33112934D+01	0.55807274D+01	0.50336006D+02
28	0.97980971D+01	0.33007142D+01	0.55631615D+01	0.50072610D+02
29	0.98492360D+01	0.32906104D+01	0.55464030D+01	0.49821621D+02
30	0.98985574D+01	0.32809455D+01	0.55303875D+01	0.49582056D+02
31	0.99461838D+01	0.32716870D+01	0.55150580D+01	0.49353037D+02
32	0.99922259D+01	0.32628056D+01	0.55003634D+01	0.49133780D+02
33	0.10036784D+02	0.32542750D+01	0.54862580D+01	0.48923579D+02
34	0.10079949D+02	0.32460714D+01	0.54727005D+01	0.48721802D+02
35	0.10121803D+02	0.32381734D+01	0.54596539D+01	0.48527875D+02
36	0.10162424D+02	0.32305614D+01	0.54470845D+01	0.48341280D+02
37	0.10201879D+02	0.32232174D+01	0.54349618D+01	0.48161544D+02
38	0.10240234D+02	0.32161254D+01	0.54232581D+01	0.47988239D+02
39	0.10277547D+02	0.32092703D+01	0.54119480D+01	0.47820972D+02
40	0.10313871D+02	0.32026386D+01	0.54010082D+01	0.47659384D+02
41	0.10349258D+02	0.31962176D+01	0.53904175D+01	0.47503146D+02
42	0.10383753D+02	0.31899957D+01	0.53801562D+01	0.47351955D+02
43	0.10417399D+02	0.31839624D+01	0.53702065D+01	0.47205532D+02
44	0.10450238D+02	0.31781076D+01	0.53605516D+01	0.47063619D+02
45	0.10482305D+02	0.31724223D+01	0.53511762D+01	0.46925978D+02
46	0.10513636D+02	0.31668979D+01	0.53420659D+01	0.46792389D+02
47	0.10544263D+02	0.31615265D+01	0.53332076D+01	0.46662646D+02
48	0.10574217D+02	0.31563008D+01	0.53245890D+01	0.46536560D+02
49	0.10603526D+02	0.31512139D+01	0.53161986D+01	0.46413953D+02
50	0.10632217D+02	0.31462593D+01	0.53080257D+01	0.46294659D+02

TABLE 1.10: MOMENTS OF THE LARGEST ORDER STATISTIC FROM A SAMPLE OF SIZE n FROM A GAMMA DISTRIBUTION WITH PARAMETER $\alpha=5.0$

n	μ_1'	μ_2	μ_3	μ_4
2	0.62304687D+01	0.47164154D+01	0.85685962D+01	0.92747249D+02
3	0.69361408D+01	0.45059901D+01	0.79396766D+01	0.85330127D+02
4	0.74275604D+01	0.43538433D+01	0.75684293D+01	0.80337640D+02
5	0.78029616D+01	0.42380460D+01	0.73154043D+01	0.76692530D+02
6	0.81058515D+01	0.41460907D+01	0.71278854D+01	0.73879686D+02
7	0.83592449D+01	0.40706749D+01	0.69811331D+01	0.71621968D+02
8	0.85767617D+01	0.40072724D+01	0.68618240D+01	0.69756061D+02
9	0.87671150D+01	0.39529218D+01	0.67620649D+01	0.68178856D+02
10	0.89362086D+01	0.39055962D+01	0.66768392D+01	0.66821673D+02
11	0.90882237D+01	0.38638559D+01	0.66027833D+01	0.65636782D+02
12	0.92262271D+01	0.38266461D+01	0.65375438D+01	0.64589840D+02
13	0.93525338D+01	0.37931739D+01	0.64794166D+01	0.63655425D+02
14	0.94689330D+01	0.37628299D+01	0.64271322D+01	0.62814254D+02
15	0.95768357D+01	0.37351367D+01	0.63797222D+01	0.62051400D+02
16	0.96773737D+01	0.37097144D+01	0.63364326D+01	0.61355102D+02
17	0.97714686D+01	0.36862561D+01	0.62966658D+01	0.60715947D+02
18	0.98598805D+01	0.36645105D+01	0.62599412D+01	0.60126301D+02
19	0.99432434D+01	0.36442701D+01	0.62258670D+01	0.59579894D+02
20	0.10022092D+02	0.36253610D+01	0.61941198D+01	0.59071526D+02
21	0.10096880D+02	0.36076371D+01	0.61644302D+01	0.58596837D+02
22	0.10167998D+02	0.35909736D+01	0.61365712D+01	0.58152144D+02
23	0.10235782D+02	0.35752641D+01	0.61103502D+01	0.57734310D+02
24	0.10300525D+02	0.35604166D+01	0.60856025D+01	0.57340641D+02
25	0.10362483D+02	0.35463511D+01	0.60621860D+01	0.56968812D+02
26	0.10421880D+02	0.35329980D+01	0.60399777D+01	0.56616803D+02
27	0.10478917D+02	0.35202961D+01	0.60188702D+01	0.56282849D+02
28	0.10533770D+02	0.35081916D+01	0.59987694D+01	0.55965398D+02
29	0.10586598D+02	0.34966366D+01	0.59795921D+01	0.55663084D+02
30	0.10637541D+02	0.34855887D+01	0.59612651D+01	0.55374693D+02
31	0.10686727D+02	0.34750099D+01	0.59437228D+01	0.55099146D+02
32	0.10734271D+02	0.34648662D+01	0.59269069D+01	0.54835478D+02
33	0.10780277D+02	0.34551270D+01	0.59107651D+01	0.54582826D+02
34	0.10824840D+02	0.34457646D+01	0.58952503D+01	0.54340411D+02
35	0.10868045D+02	0.34367541D+01	0.58803200D+01	0.54107532D+02
36	0.10909973D+02	0.34280727D+01	0.58659358D+01	0.53883552D+02
37	0.10950693D+02	0.34196998D+01	0.58520628D+01	0.53667894D+02
38	0.10990274D+02	0.34116166D+01	0.58386692D+01	0.53460033D+02
39	0.11028776D+02	0.34038057D+01	0.58257259D+01	0.53259490D+02
40	0.11066255D+02	0.33962514D+01	0.58132065D+01	0.53065825D+02
41	0.11102762D+02	0.33889391D+01	0.58010865D+01	0.52878638D+02
42	0.11138348D+02	0.33818555D+01	0.57893436D+01	0.52697558D+02
43	0.11173055D+02	0.33749882D+01	0.57779572D+01	0.52522245D+02
44	0.11206925D+02	0.33683257D+01	0.57669082D+01	0.52352386D+02
45	0.11239998D+02	0.33618575D+01	0.57561790D+01	0.52187689D+02
46	0.11272309D+02	0.33555738D+01	0.57457534D+01	0.52027887D+02
47	0.11303892D+02	0.33494655D+01	0.57356160D+01	0.51872730D+02
48	0.11334778D+02	0.33435240D+01	0.57257530D+01	0.51721987D+02
49	0.11364997D+02	0.33377415D+01	0.57161512D+01	0.51575442D+02
50	0.11394577D+02	0.33321105D+01	0.57067984D+01	0.51432895D+02

TABLE 1.11: MOMENTS OF THE LARGEST ORDER STATISTIC FROM A SAMPLE OF SIZE n FROM A GAMMA DISTRIBUTION WITH PARAMETER $\alpha=5.5$

n	μ_1'	μ_2	μ_3	μ_4
2	0.67934497D+01	0.51204376D+01	0.93387904D+01	0.10724909D+03
3	0.75307513D+01	0.48629886D+01	0.86235237D+01	0.97766030D+02
4	0.80426628D+01	0.46818203D+01	0.82037352D+01	0.91516401D+02
5	0.84329776D+01	0.45458385D+01	0.79182648D+01	0.87008722D+02
6	0.87474755D+01	0.44387889D+01	0.77069056D+01	0.83558543D+02
7	0.90103091D+01	0.43515225D+01	0.75415674D+01	0.80805700D+02
8	0.92357438D+01	0.42784859D+01	0.74071724D+01	0.78540996D+02
9	0.94328923D+01	0.42160952D+01	0.72948053D+01	0.76633702D+02
10	0.96079215D+01	0.41619214D+01	0.71988077D+01	0.74997429D+02
11	0.97651946D+01	0.41142520D+01	0.71153881D+01	0.73572506D+02
12	0.99079096D+01	0.40718399D+01	0.70418953D+01	0.72316220D+02
13	0.10038478D+02	0.40337520D+01	0.69764104D+01	0.71197085D+02
14	0.10158764D+02	0.39992739D+01	0.69175041D+01	0.70191306D+02
15	0.10270234D+02	0.39678481D+01	0.68640861D+01	0.69280523D+02
16	0.10374067D+02	0.39390320D+01	0.68153076D+01	0.68450307D+02
17	0.10471221D+02	0.39124691D+01	0.67704962D+01	0.67689139D+02
18	0.10562485D+02	0.38878682D+01	0.67291107D+01	0.66987698D+02
19	0.10648518D+02	0.38649889D+01	0.66907101D+01	0.66338344D+02
20	0.10729875D+02	0.38436309D+01	0.66549304D+01	0.65734751D+02
21	0.10807028D+02	0.38236254D+01	0.66214683D+01	0.65171623D+02
22	0.10880382D+02	0.38048289D+01	0.65900683D+01	0.64644496D+02
23	0.10950285D+02	0.37871188D+01	0.65605135D+01	0.64149568D+02
24	0.11017041D+02	0.37703897D+01	0.65326184D+01	0.63683583D+02
25	0.11080916D+02	0.37545498D+01	0.65062231D+01	0.63243733D+02
26	0.11142143D+02	0.37395193D+01	0.64811892D+01	0.62827579D+02
27	0.11200928D+02	0.37252283D+01	0.64573956D+01	0.62432994D+02
28	0.11257456D+02	0.37116150D+01	0.64347362D+01	0.62058109D+02
29	0.11311889D+02	0.36986249D+01	0.64131177D+01	0.61701280D+02
30	0.11364375D+02	0.36862094D+01	0.63924573D+01	0.61361048D+02
31	0.11415044D+02	0.36743253D+01	0.63726812D+01	0.61036118D+02
32	0.11464017D+02	0.36629338D+01	0.63537238D+01	0.60725331D+02
33	0.11511401D+02	0.36519999D+01	0.63355261D+01	0.60427651D+02
34	0.11557294D+02	0.36414922D+01	0.63180352D+01	0.60142146D+02
35	0.11601784D+02	0.36313824D+01	0.63012030D+01	0.59867975D+02
36	0.11644955D+02	0.36216445D+01	0.62849864D+01	0.59604376D+02
37	0.11686879D+02	0.36122550D+01	0.62693460D+01	0.59350660D+02
38	0.11727626D+02	0.36031927D+01	0.62542460D+01	0.59106198D+02
39	0.11767260D+02	0.35944377D+01	0.62396537D+01	0.58870418D+02
40	0.11805837D+02	0.35859723D+01	0.62255391D+01	0.58642795D+02
41	0.11843412D+02	0.35777799D+01	0.62118749D+01	0.58422850D+02
42	0.11880034D+02	0.35698453D+01	0.61986357D+01	0.58210143D+02
43	0.11915750D+02	0.35621545D+01	0.61857984D+01	0.58004266D+02
44	0.11950603D+02	0.35546947D+01	0.61733416D+01	0.57804846D+02
45	0.11984633D+02	0.35474537D+01	0.61612453D+01	0.57611538D+02
46	0.12017876D+02	0.35404205D+01	0.61494911D+01	0.57424021D+02
47	0.12050369D+02	0.35335847D+01	0.61380621D+01	0.57241998D+02
48	0.12082142D+02	0.35269368D+01	0.61269424D+01	0.57065195D+02
49	0.12113228D+02	0.35204678D+01	0.61161171D+01	0.56893355D+02
50	0.12143654D+02	0.35141694D+01	0.61055726D+01	0.56726238D+02

TABLE 1.12: MOMENTS OF THE LARGEST ORDER STATISTIC FROM A SAMPLE OF SIZE n FROM A GAMMA DISTRIBUTION WITH PARAMETER $\alpha=6.0$

n	μ_1'	μ_2	μ_3	μ_4
2	0.73535156D+01	0.55215111D+01	0.10109764D+02	0.12266939D+03
3	0.81209650D+01	0.52163812D+01	0.93087458D+01	0.11089673D+03
4	0.86524101D+01	0.50059752D+01	0.88406371D+01	0.10326986D+03
5	0.90569435D+01	0.48497321D+01	0.85227873D+01	0.97823721D+02
6	0.93825106D+01	0.47275668D+01	0.82875864D+01	0.93683414D+02
7	0.96543477D+01	0.46284534D+01	0.81036305D+01	0.90396315D+02
8	0.98873353D+01	0.45457982D+01	0.79541038D+01	0.87702469D+02
9	0.10090967D+02	0.44753886D+01	0.78290773D+01	0.85440758D+02
10	0.10271659D+02	0.44143906D+01	0.77222544D+01	0.83505373D+02
11	0.10433950D+02	0.43608171D+01	0.76294180D+01	0.81823599D+02
12	0.10581162D+02	0.43132277D+01	0.75476205D+01	0.80343602D+02
13	0.10715798D+02	0.42705486D+01	0.74747283D+01	0.79027301D+02
14	0.10839793D+02	0.42319605D+01	0.74091526D+01	0.77846008D+02
15	0.10954670D+02	0.41968253D+01	0.73496814D+01	0.76777641D+02
16	0.11061649D+02	0.41646379D+01	0.72953710D+01	0.75804886D+02
17	0.11161723D+02	0.41349918D+01	0.72454740D+01	0.74913951D+02
18	0.11255711D+02	0.41075561D+01	0.71993887D+01	0.74093692D+02
19	0.11344294D+02	0.40820580D+01	0.71566247D+01	0.73334995D+02
20	0.11428047D+02	0.40582700D+01	0.71167773D+01	0.72630318D+02
21	0.11507459D+02	0.40360010D+01	0.70795091D+01	0.71973365D+02
22	0.11582948D+02	0.40150889D+01	0.70445360D+01	0.71358824D+02
23	0.11654875D+02	0.39953952D+01	0.70116169D+01	0.70782187D+02
24	0.11723555D+02	0.39768006D+01	0.69805452D+01	0.70239591D+02
25	0.11789261D+02	0.39592019D+01	0.69511433D+01	0.69727709D+02
26	0.11852236D+02	0.39425091D+01	0.69232569D+01	0.69243655D+02
27	0.11912692D+02	0.39266433D+01	0.68967514D+01	0.68784913D+02
28	0.11970819D+02	0.39115352D+01	0.68715090D+01	0.68349277D+02
29	0.12026787D+02	0.38971235D+01	0.68474255D+01	0.67934803D+02
30	0.12080746D+02	0.38833535D+01	0.68244089D+01	0.67539772D+02
31	0.12132833D+02	0.38701767D+01	0.68023771D+01	0.67162656D+02
32	0.12183171D+02	0.38575495D+01	0.67812571D+01	0.66802090D+02
33	0.12231872D+02	0.38454328D+01	0.67609832D+01	0.66456855D+02
34	0.12279035D+02	0.383337913D+01	0.67414964D+01	0.66125852D+02
35	0.12324754D+02	0.38225932D+01	0.67227434D+01	0.65808094D+02
36	0.12369113D+02	0.38118096D+01	0.67046760D+01	0.65502684D+02
37	0.12412188D+02	0.38014141D+01	0.66872504D+01	0.65208813D+02
38	0.12454050D+02	0.37913827D+01	0.66704268D+01	0.64925743D+02
39	0.12494765D+02	0.37816937D+01	0.66541687D+01	0.64652801D+02
40	0.12534392D+02	0.37723267D+01	0.66384429D+01	0.64389374D+02
41	0.12572987D+02	0.37632636D+01	0.66232187D+01	0.64134897D+02
42	0.12610601D+02	0.37544872D+01	0.66084680D+01	0.63888854D+02
43	0.12647282D+02	0.37459819D+01	0.65941651D+01	0.63650770D+02
44	0.12683074D+02	0.37377332D+01	0.65802860D+01	0.63420206D+02
45	0.12718018D+02	0.37297279D+01	0.65668086D+01	0.63196758D+02
46	0.12752153D+02	0.37219535D+01	0.65537124D+01	0.62980052D+02
47	0.12785515D+02	0.37143984D+01	0.65409785D+01	0.62769739D+02
48	0.12818138D+02	0.37070520D+01	0.65285891D+01	0.62565498D+02
49	0.12850052D+02	0.36999042D+01	0.65165278D+01	0.62367030D+02
50	0.12881287D+02	0.36929458D+01	0.65047793D+01	0.62174054D+02

TABLE 1.13: MOMENTS OF THE LARGEST ORDER STATISTIC FROM A SAMPLE OF SIZE n FROM A GAMMA DISTRIBUTION WITH PARAMETER $\alpha=6.5$

n	μ_1'	μ_2	μ_3	μ_4
2	0.79110360D+01	0.59200133D+01	0.10881946D+02	0.13900056D+03
3	0.87073420D+01	0.55666304D+01	0.99957762D+01	0.12471492D+03
4	0.92574856D+01	0.53267973D+01	0.94795504D+01	0.11559148D+03
5	0.96756317D+01	0.51502249D+01	0.91293714D+01	0.10913172D+03
6	0.10011798D+02	0.50129242D+01	0.88703157D+01	0.10424908D+03
7	0.10292258D+02	0.49019659D+01	0.86677012D+01	0.10038908D+03
8	0.10532480D+02	0.48097047D+01	0.85029900D+01	0.97236150D+02
9	0.10742321D+02	0.47312940D+01	0.83652470D+01	0.94596026D+02
10	0.10928440D+02	0.46634918D+01	0.82475409D+01	0.92341795D+02
11	0.11095538D+02	0.46040352D+01	0.81452311D+01	0.90386600D+02
12	0.11247059D+02	0.45512898D+01	0.80550741D+01	0.88668740D+02
13	0.11385594D+02	0.45040406D+01	0.79747223D+01	0.87143020D+02
14	0.11513144D+02	0.44613628D+01	0.79024274D+01	0.85775475D+02
15	0.11631286D+02	0.44225380D+01	0.78368557D+01	0.84540019D+02
16	0.11741280D+02	0.43869982D+01	0.77769687D+01	0.83416241D+02
17	0.11844154D+02	0.43542873D+01	0.77219436D+01	0.82387907D+02
18	0.11940752D+02	0.43240345D+01	0.76711182D+01	0.81441922D+02
19	0.12031780D+02	0.42959343D+01	0.76239525D+01	0.80567587D+02
20	0.12117831D+02	0.42697325D+01	0.75800011D+01	0.79756065D+02
21	0.12199409D+02	0.42452157D+01	0.75388922D+01	0.78999984D+02
22	0.12276946D+02	0.42222030D+01	0.75003131D+01	0.78293135D+02
23	0.12350814D+02	0.42005400D+01	0.74639980D+01	0.77630248D+02
24	0.12421338D+02	0.41800938D+01	0.74297198D+01	0.77006815D+02
25	0.12488801D+02	0.41607496D+01	0.73972824D+01	0.76418957D+02
26	0.12553451D+02	0.41424072D+01	0.73665160D+01	0.75863309D+02
27	0.12615510D+02	0.41249791D+01	0.73372724D+01	0.75336944D+02
28	0.12675171D+02	0.41083882D+01	0.73094215D+01	0.74837293D+02
29	0.12732611D+02	0.40925663D+01	0.72828488D+01	0.74362097D+02
30	0.12787984D+02	0.40774529D+01	0.72574526D+01	0.73909358D+02
31	0.12841431D+02	0.40629942D+01	0.72331427D+01	0.73477300D+02
32	0.12893079D+02	0.40491418D+01	0.72098384D+01	0.73064340D+02
33	0.12943042D+02	0.40358524D+01	0.71874674D+01	0.72669063D+02
34	0.12991425D+02	0.40230870D+01	0.71659646D+01	0.72290196D+02
35	0.13038323D+02	0.40108102D+01	0.71452713D+01	0.71926593D+02
36	0.13083821D+02	0.39989900D+01	0.71253343D+01	0.71577217D+02
37	0.13128000D+02	0.39875974D+01	0.71061054D+01	0.71241130D+02
38	0.13170932D+02	0.39766059D+01	0.70875406D+01	0.70917478D+02
39	0.13212685D+02	0.39659911D+01	0.70695996D+01	0.70605482D+02
40	0.13253319D+02	0.39557310D+01	0.70522459D+01	0.70304433D+02
41	0.13292893D+02	0.39458051D+01	0.70354457D+01	0.70013678D+02
42	0.13331458D+02	0.39361947D+01	0.70191681D+01	0.69732622D+02
43	0.13369065D+02	0.39268825D+01	0.70033844D+01	0.69460715D+02
44	0.13405758D+02	0.39178526D+01	0.69880683D+01	0.69197450D+02
45	0.13441580D+02	0.39090902D+01	0.69731955D+01	0.68942361D+02
46	0.13476571D+02	0.39005816D+01	0.69587434D+01	0.68695015D+02
47	0.13510768D+02	0.38923141D+01	0.69446910D+01	0.68455011D+02
48	0.13544205D+02	0.38842759D+01	0.69310188D+01	0.68221979D+02
49	0.13576914D+02	0.38764560D+01	0.69177087D+01	0.67995571D+02
50	0.13608926D+02	0.38688441D+01	0.69047437D+01	0.67775467D+02

TABLE 1.14: MOMENTS OF THE LARGEST ORDER STATISTIC FROM A SAMPLE OF SIZE n FROM A GAMMA DISTRIBUTION WITH PARAMETER $\alpha=7.0$

n	μ_1'	μ_2	μ_3	μ_4
2	0.84663086D+01	0.63162477D+01	0.11655660D+02	0.15623577D+03
3	0.92903329D+01	0.59141073D+01	0.10684939D+02	0.13921396D+03
4	0.98584387D+01	0.56446797D+01	0.10120785D+02	0.12847531D+03
5	0.10289663D+02	0.54477172D+01	0.97383150D+01	0.12092737D+03
6	0.10636015D+02	0.52952629D+01	0.94553824D+01	0.11525073D+03
7	0.10924761D+02	0.51724607D+01	0.92340618D+01	0.11077959D+03
8	0.11171936D+02	0.50706040D+01	0.90541084D+01	0.10713799D+03
9	0.11387746D+02	0.49842071D+01	0.89035879D+01	0.10409575D+03
10	0.11579081D+02	0.49096179D+01	0.87749377D+01	0.10150319D+03
11	0.11750802D+02	0.48442964D+01	0.86630953D+01	0.99258220D+02
12	0.11906465D+02	0.47864132D+01	0.85645220D+01	0.97288535D+02
13	0.12048749D+02	0.47346119D+01	0.84766566D+01	0.95541307D+02
14	0.12179719D+02	0.46878620D+01	0.83975913D+01	0.93976920D+02
15	0.12301000D+02	0.46453646D+01	0.83258707D+01	0.92565006D+02
16	0.12413894D+02	0.46064888D+01	0.82603613D+01	0.91281840D+02
17	0.12519461D+02	0.45707290D+01	0.82001646D+01	0.90108584D+02
18	0.12618571D+02	0.45376743D+01	0.81445580D+01	0.89030061D+02
19	0.12711950D+02	0.45069866D+01	0.80929516D+01	0.88033885D+02
20	0.12800211D+02	0.44783851D+01	0.80448590D+01	0.87109841D+02
21	0.12883872D+02	0.44516339D+01	0.79998742D+01	0.86249410D+02
22	0.12963379D+02	0.44265336D+01	0.79576555D+01	0.85445427D+02
23	0.13039115D+02	0.44029137D+01	0.79179127D+01	0.84691815D+02
24	0.13111413D+02	0.43806280D+01	0.78803973D+01	0.83983383D+02
25	0.13180566D+02	0.43595498D+01	0.78448953D+01	0.83315662D+02
26	0.13246829D+02	0.43395690D+01	0.78112211D+01	0.82684784D+02
27	0.13310430D+02	0.43205893D+01	0.77792126D+01	0.82087380D+02
28	0.13371568D+02	0.43025259D+01	0.77487277D+01	0.81520500D+02
29	0.13430424D+02	0.42853038D+01	0.77196410D+01	0.80981550D+02
30	0.13487157D+02	0.42688568D+01	0.76918417D+01	0.80468236D+02
31	0.13541913D+02	0.42531255D+01	0.76652308D+01	0.79978522D+02
32	0.13594822D+02	0.42380570D+01	0.76397203D+01	0.79510593D+02
33	0.13646001D+02	0.42236037D+01	0.76152311D+01	0.79062826D+02
34	0.13695557D+02	0.42097227D+01	0.75916919D+01	0.78633763D+02
35	0.13743589D+02	0.41963755D+01	0.75690386D+01	0.78222092D+02
36	0.13790185D+02	0.41835269D+01	0.75472130D+01	0.77826626D+02
37	0.13835426D+02	0.41711450D+01	0.75261623D+01	0.77446293D+02
38	0.13879388D+02	0.41592008D+01	0.75058384D+01	0.77080114D+02
39	0.13922139D+02	0.41476677D+01	0.74861974D+01	0.76727201D+02
40	0.13963744D+02	0.41365215D+01	0.74671992D+01	0.76386741D+02
41	0.14004259D+02	0.41257399D+01	0.74488067D+01	0.76057991D+02
42	0.14043741D+02	0.41153023D+01	0.74309862D+01	0.75740268D+02
43	0.14082239D+02	0.41051899D+01	0.74137065D+01	0.75432946D+02
44	0.14119800D+02	0.40953851D+01	0.73969386D+01	0.75135447D+02
45	0.14156467D+02	0.40858720D+01	0.73806560D+01	0.74847237D+02
46	0.14192282D+02	0.40766354D+01	0.73648338D+01	0.74567823D+02
47	0.14227282D+02	0.40676615D+01	0.73494493D+01	0.74296749D+02
48	0.14261503D+02	0.40589375D+01	0.73344809D+01	0.74033590D+02
49	0.14294978D+02	0.40504512D+01	0.73199090D+01	0.73777953D+02
50	0.14327738D+02	0.40421914D+01	0.73057150D+01	0.73529471D+02

TABLE 1.15: MOMENTS OF THE LARGEST ORDER STATISTIC FROM A SAMPLE OF SIZE n FROM A GAMMA DISTRIBUTION WITH PARAMETER $\alpha=7.5$

n	μ_1'	μ_2	μ_3	μ_4
2	0.90195773D+01	0.67104622D+01	0.12431152D+02	0.17436881D+03
3	0.98703066D+01	0.62591155D+01	0.11376479D+02	0.15438780D+03
4	0.10455719D+02	0.59599438D+01	0.10764573D+02	0.14191591D+03
5	0.10899547D+02	0.57425364D+01	0.10349842D+02	0.13320579D+03
6	0.11255713D+02	0.55749115D+01	0.10043004D+02	0.12668389D+03
7	0.11552446D+02	0.54402659D+01	0.98029249D+01	0.12156377D+03
8	0.11806324D+02	0.53288223D+01	0.96076681D+01	0.11740420D+03
9	0.12027889D+02	0.52344521D+01	0.94443063D+01	0.11393642D+03
10	0.12224253D+02	0.51530907D+01	0.93046492D+01	0.11098626D+03
11	0.12400430D+02	0.50819199D+01	0.91832134D+01	0.10843535D+03
12	0.12560088D+02	0.50189148D+01	0.90761659D+01	0.10620005D+03
13	0.12705987D+02	0.49625770D+01	0.89807318D+01	0.10421937D+03
14	0.12840254D+02	0.49117705D+01	0.88948442D+01	0.10244768D+03
15	0.12964563D+02	0.48656154D+01	0.88169255D+01	0.10085006D+03
16	0.13080255D+02	0.48234180D+01	0.87457471D+01	0.99399246D+02
17	0.13188419D+02	0.47846231D+01	0.86803350D+01	0.98073642D+02
18	0.13289951D+02	0.47487797D+01	0.86199056D+01	0.96855857D+02
19	0.13385599D+02	0.47155174D+01	0.85638191D+01	0.95731720D+02
20	0.13475992D+02	0.46845284D+01	0.85115480D+01	0.94689548D+02
21	0.13561663D+02	0.46555548D+01	0.84626518D+01	0.93719612D+02
22	0.13643071D+02	0.46283781D+01	0.84167598D+01	0.92813734D+02
23	0.13720608D+02	0.46028123D+01	0.83735569D+01	0.91964985D+02
24	0.13794619D+02	0.45786975D+01	0.83327737D+01	0.91167446D+02
25	0.13865402D+02	0.45558955D+01	0.82941778D+01	0.90416029D+02
26	0.13933222D+02	0.45342861D+01	0.82575677D+01	0.89706330D+02
27	0.13998310D+02	0.45137642D+01	0.82227674D+01	0.89034518D+02
28	0.14060873D+02	0.44942374D+01	0.81896227D+01	0.88397239D+02
29	0.14121095D+02	0.44756240D+01	0.81579974D+01	0.87791545D+02
30	0.14179142D+02	0.44578518D+01	0.81277711D+01	0.87214830D+02
31	0.14235161D+02	0.44408561D+01	0.80988364D+01	0.86664782D+02
32	0.14289286D+02	0.44245794D+01	0.80710977D+01	0.86139342D+02
33	0.14341638D+02	0.44089699D+01	0.80444689D+01	0.85636670D+02
34	0.14392327D+02	0.43939810D+01	0.80188729D+01	0.85155111D+02
35	0.14441454D+02	0.43795706D+01	0.79942398D+01	0.84693180D+02
36	0.14489108D+02	0.43657005D+01	0.79705065D+01	0.84249531D+02
37	0.14535375D+02	0.43523362D+01	0.79476156D+01	0.83822948D+02
38	0.14580331D+02	0.43394460D+01	0.79255147D+01	0.83412326D+02
39	0.14624047D+02	0.43270011D+01	0.79041564D+01	0.83016657D+02
40	0.14666587D+02	0.43149752D+01	0.78834967D+01	0.82635023D+02
41	0.14708013D+02	0.43033440D+01	0.78634958D+01	0.82266582D+02
42	0.14748378D+02	0.42920852D+01	0.78441167D+01	0.81910563D+02
43	0.14787737D+02	0.42811783D+01	0.78253255D+01	0.81566256D+02
44	0.14826135D+02	0.42706045D+01	0.78070909D+01	0.81233010D+02
45	0.14863618D+02	0.42603461D+01	0.77893839D+01	0.80910221D+02
46	0.14900229D+02	0.42503870D+01	0.77721776D+01	0.80597331D+02
47	0.14936004D+02	0.42407120D+01	0.77554472D+01	0.80293826D+02
48	0.14970982D+02	0.42313073D+01	0.77391693D+01	0.79999226D+02
49	0.15005196D+02	0.42221596D+01	0.77233226D+01	0.79713087D+02
50	0.15038678D+02	0.42132570D+01	0.77078867D+01	0.79434994D+02

TABLE 1.16: MOMENTS OF THE LARGEST ORDER STATISTIC FROM A SAMPLE OF SIZE n FROM A GAMMA DISTRIBUTION WITH PARAMETER $\alpha=8.0$

n	μ_1'	μ_2	μ_3	μ_4
2	0.95710449D+01	0.71028628D+01	0.13208614D+02	0.19339404D+03
3	0.10447570D+02	0.66019069D+01	0.12070584D+02	0.17023093D+03
4	0.11049700D+02	0.62728561D+01	0.11411094D+02	0.15590827D+03
5	0.11505704D+02	0.60349541D+01	0.10964122D+02	0.14596243D+03
6	0.11871354D+02	0.58521431D+01	0.10633345D+02	0.13854445D+03
7	0.12175804D+02	0.57056539D+01	0.10374452D+02	0.13273782D+03
8	0.12436159D+02	0.55846307D+01	0.10163828D+02	0.12803128D+03
9	0.12663286D+02	0.54822984D+01	0.99875596D+01	0.12411473D+03
10	0.12864510D+02	0.53941778D+01	0.98368313D+01	0.12078792D+03
11	0.13044996D+02	0.53171714D+01	0.97057403D+01	0.11791507D+03
12	0.13208515D+02	0.52490583D+01	0.95901598D+01	0.11540050D+03
13	0.13357909D+02	0.51881980D+01	0.94871016D+01	0.11317456D+03
14	0.13495364D+02	0.51333483D+01	0.93943391D+01	0.11118524D+03
15	0.13622601D+02	0.50835486D+01	0.93101728D+01	0.10939275D+03
16	0.13740997D+02	0.50380424D+01	0.92332787D+01	0.10776613D+03
17	0.13851672D+02	0.49962246D+01	0.91626071D+01	0.10628084D+03
18	0.13955547D+02	0.49576044D+01	0.90973131D+01	0.10491715D+03
19	0.14053389D+02	0.49217787D+01	0.90367071D+01	0.10365900D+03
20	0.14145843D+02	0.48884132D+01	0.89802200D+01	0.10249316D+03
21	0.14233459D+02	0.48572274D+01	0.89273768D+01	0.10140863D+03
22	0.14316704D+02	0.48279845D+01	0.88777776D+01	0.10039616D+03
23	0.14395984D+02	0.48004825D+01	0.88310825D+01	0.99447908D+02
24	0.14471651D+02	0.47745479D+01	0.87870008D+01	0.98557205D+02
25	0.14544012D+02	0.47500311D+01	0.87452816D+01	0.97718305D+02
26	0.14613336D+02	0.47268017D+01	0.87057075D+01	0.96926241D+02
27	0.14679863D+02	0.47047459D+01	0.86680885D+01	0.96176693D+02
28	0.14743804D+02	0.46837637D+01	0.86322582D+01	0.95465884D+02
29	0.14805349D+02	0.46637669D+01	0.85980696D+01	0.94790491D+02
30	0.14864666D+02	0.46446769D+01	0.85653925D+01	0.94147583D+02
31	0.14921906D+02	0.46264243D+01	0.85341112D+01	0.93534557D+02
32	0.14977208D+02	0.46089464D+01	0.85041223D+01	0.92949098D+02
33	0.15030695D+02	0.45921876D+01	0.84753328D+01	0.92389135D+02
34	0.15082480D+02	0.45760973D+01	0.84476595D+01	0.91852811D+02
35	0.15132666D+02	0.45606301D+01	0.84210269D+01	0.91338453D+02
36	0.15181345D+02	0.45457449D+01	0.83953667D+01	0.90844553D+02
37	0.15228604D+02	0.45314042D+01	0.83706171D+01	0.90369744D+02
38	0.15274522D+02	0.45175739D+01	0.83467215D+01	0.89912785D+02
39	0.15319170D+02	0.45042230D+01	0.83236284D+01	0.89472546D+02
40	0.15362616D+02	0.44913229D+01	0.83012906D+01	0.89047996D+02
41	0.15404922D+02	0.44788475D+01	0.82796649D+01	0.88638191D+02
42	0.15446143D+02	0.44667729D+01	0.82587114D+01	0.88242265D+02
43	0.15486334D+02	0.44550768D+01	0.82383934D+01	0.87859425D+02
44	0.15525543D+02	0.44437388D+01	0.82186772D+01	0.87488939D+02
45	0.15563816D+02	0.44327402D+01	0.81995313D+01	0.87130130D+02
46	0.15601195D+02	0.44220633D+01	0.81809269D+01	0.86782374D+02
47	0.15637722D+02	0.44116920D+01	0.81628368D+01	0.86445095D+02
48	0.15673432D+02	0.44016111D+01	0.81452361D+01	0.86117755D+02
49	0.15708361D+02	0.43918066D+01	0.81281014D+01	0.85799856D+02
50	0.15742541D+02	0.43822654D+01	0.81114111D+01	0.85490937D+02

TABLE 1.17: MOMENTS OF THE LARGEST ORDER STATISTIC FROM A SAMPLE OF SIZE n FROM A GAMMA DISTRIBUTION WITH PARAMETER $\alpha=8.5$

n	μ_1'	μ_2	μ_3	μ_4
2	0.10120882D+02	0.74936226D+01	0.13988194D+02	0.21330628D+03
3	0.11022380D+02	0.69426931D+01	0.12767398D+02	0.18673825D+03
4	0.11640697D+02	0.65836411D+01	0.12060481D+02	0.17044777D+03
5	0.12108489D+02	0.63251990D+01	0.11581285D+02	0.15919312D+03
6	0.12483323D+02	0.61271873D+01	0.11226531D+02	0.15082857D+03
7	0.12795247D+02	0.59688539D+01	0.10948766D+02	0.14429819D+03
8	0.13061875D+02	0.58382575D+01	0.10722709D+02	0.13901591D+03
9	0.13294389D+02	0.57279728D+01	0.10533468D+02	0.13462760D+03
10	0.13500322D+02	0.56331044D+01	0.10371603D+02	0.13090524D+03
11	0.13684980D+02	0.55502746D+01	0.10230795D+02	0.12769462D+03
12	0.13852241D+02	0.54770659D+01	0.10106622D+02	0.12488727D+03
13	0.14005020D+02	0.54116953D+01	0.99958840D+01	0.12240439D+03
14	0.14145564D+02	0.53528145D+01	0.98961940D+01	0.12018719D+03
15	0.14275637D+02	0.52993819D+01	0.98057305D+01	0.11819079D+03
16	0.14396654D+02	0.52505782D+01	0.97230739D+01	0.11638028D+03
17	0.14509763D+02	0.52057484D+01	0.96470988D+01	0.11472804D+03
18	0.14615908D+02	0.51643618D+01	0.95768985D+01	0.11321187D+03
19	0.14715876D+02	0.51259829D+01	0.95117335D+01	0.11181373D+03
20	0.14810328D+02	0.50902505D+01	0.94509930D+01	0.11051875D+03
21	0.14899827D+02	0.50568621D+01	0.93941673D+01	0.10931459D+03
22	0.14984854D+02	0.50255619D+01	0.93408272D+01	0.10819086D+03
23	0.15065823D+02	0.49961322D+01	0.92906078D+01	0.10713880D+03
24	0.15143095D+02	0.49683862D+01	0.92431969D+01	0.10615092D+03
25	0.15216984D+02	0.49421625D+01	0.91983252D+01	0.10522080D+03
26	0.15287768D+02	0.49173209D+01	0.91557591D+01	0.10434286D+03
27	0.15355690D+02	0.48937387D+01	0.91152947D+01	0.10351229D+03
28	0.15420967D+02	0.48713084D+01	0.90767531D+01	0.10272485D+03
29	0.15483793D+02	0.48499350D+01	0.90399765D+01	0.10197684D+03
30	0.15544340D+02	0.48295341D+01	0.90048250D+01	0.10126498D+03
31	0.15602766D+02	0.48100309D+01	0.89711743D+01	0.10058636D+03
32	0.15659208D+02	0.47913583D+01	0.89389132D+01	0.99938405D+02
33	0.15713796D+02	0.47734562D+01	0.89079420D+01	0.99318794D+02
34	0.15766643D+02	0.47562705D+01	0.88781709D+01	0.98725459D+02
35	0.15817855D+02	0.47397523D+01	0.88495191D+01	0.98156536D+02
36	0.15867528D+02	0.47238575D+01	0.88219131D+01	0.97610341D+02
37	0.15915749D+02	0.47085459D+01	0.87952864D+01	0.97085351D+02
38	0.15962599D+02	0.46937808D+01	0.87695782D+01	0.96580184D+02
39	0.16008152D+02	0.46795289D+01	0.87447332D+01	0.96093581D+02
40	0.16052476D+02	0.46657597D+01	0.87207006D+01	0.95624393D+02
41	0.16095635D+02	0.46524451D+01	0.86974338D+01	0.95171570D+02
42	0.16137685D+02	0.46395593D+01	0.86748902D+01	0.94734148D+02
43	0.16178683D+02	0.46270786D+01	0.86530303D+01	0.94311242D+02
44	0.16218678D+02	0.46149811D+01	0.86318176D+01	0.93902040D+02
45	0.16257716D+02	0.46032465D+01	0.86112185D+01	0.93505788D+02
46	0.16295842D+02	0.45918562D+01	0.85912018D+01	0.93121792D+02
47	0.16333097D+02	0.45807927D+01	0.85717384D+01	0.92749411D+02
48	0.16369517D+02	0.45700398D+01	0.85528016D+01	0.92388048D+02
49	0.16405140D+02	0.45595825D+01	0.85343661D+01	0.92037149D+02
50	0.16439998D+02	0.45494067D+01	0.85164086D+01	0.91696199D+02

TABLE 1.18: MOMENTS OF THE LARGEST ORDER STATISTIC FROM A SAMPLE OF SIZE n FROM A GAMMA DISTRIBUTION WITH PARAMETER $\alpha=9.0$

n	μ_1'	μ_2	μ_3	μ_4
2	0.10669235D+02	0.78828890D+01	0.14770008D+02	0.23410076D+03
3	0.11594957D+02	0.72816541D+01	0.13467030D+02	0.20390510D+03
4	0.12228976D+02	0.68924893D+01	0.12712838D+02	0.18553015D+03
5	0.12708205D+02	0.66134654D+01	0.12201430D+02	0.17289397D+03
6	0.13091949D+02	0.64002395D+01	0.11822658D+02	0.16353269D+03
7	0.13411126D+02	0.62300610D+01	0.11525960D+02	0.15624160D+03
8	0.13683841D+02	0.60898970D+01	0.11284404D+02	0.15035504D+03
9	0.13921583D+02	0.59716685D+01	0.11082123D+02	0.14547214D+03
10	0.14132085D+02	0.58700625D+01	0.10909056D+02	0.14133551D+03
11	0.14320794D+02	0.57814201D+01	0.10758468D+02	0.13777142D+03
12	0.14491686D+02	0.57031268D+01	0.10625644D+02	0.13465790D+03
13	0.14647752D+02	0.56332569D+01	0.10507170D+02	0.13190649D+03
14	0.14791293D+02	0.55703558D+01	0.10400500D+02	0.12945127D+03
15	0.14924120D+02	0.55133009D+01	0.10303690D+02	0.12724199D+03
16	0.15047682D+02	0.54612098D+01	0.10215224D+02	0.12523960D+03
17	0.15163153D+02	0.54133778D+01	0.10133901D+02	0.12341322D+03
18	0.15271501D+02	0.53692343D+01	0.10058753D+02	0.12173807D+03
19	0.15373533D+02	0.53283112D+01	0.99889900D+01	0.12019400D+03
20	0.15469925D+02	0.52902207D+01	0.99239589D+01	0.11876446D+03
21	0.15561254D+02	0.52546379D+01	0.98631155D+01	0.11743568D+03
22	0.15648010D+02	0.52212885D+01	0.98060008D+01	0.11619610D+03
23	0.15730619D+02	0.51899390D+01	0.97522251D+01	0.11503596D+03
24	0.15809449D+02	0.51603891D+01	0.97014545D+01	0.11394694D+03
25	0.15884823D+02	0.51324658D+01	0.96534012D+01	0.11292188D+03
26	0.15957023D+02	0.51060188D+01	0.96078154D+01	0.11195460D+03
27	0.16026300D+02	0.50809170D+01	0.95644790D+01	0.11103975D+03
28	0.16092874D+02	0.50570450D+01	0.95232006D+01	0.11017262D+03
29	0.16156945D+02	0.50343012D+01	0.94838116D+01	0.10934910D+03
30	0.16218688D+02	0.50125955D+01	0.94461622D+01	0.10856556D+03
31	0.16278263D+02	0.49918476D+01	0.94101195D+01	0.10781876D+03
32	0.16335814D+02	0.49719859D+01	0.93755644D+01	0.10710585D+03
33	0.16391470D+02	0.49529461D+01	0.93423904D+01	0.10642426D+03
34	0.16445349D+02	0.49346703D+01	0.93105014D+01	0.10577169D+03
35	0.16497558D+02	0.49171064D+01	0.92798109D+01	0.10514609D+03
36	0.16548196D+02	0.49002070D+01	0.92502402D+01	0.10454558D+03
37	0.16597352D+02	0.48839294D+01	0.92217181D+01	0.10396847D+03
38	0.16645107D+02	0.48682343D+01	0.91941797D+01	0.10341325D+03
39	0.16691539D+02	0.48530861D+01	0.91675656D+01	0.10287850D+03
40	0.16736716D+02	0.48384522D+01	0.91418216D+01	0.10236298D+03
41	0.16780703D+02	0.48243027D+01	0.91168978D+01	0.10186550D+03
42	0.16823559D+02	0.48106100D+01	0.90927485D+01	0.10138501D+03
43	0.16865341D+02	0.47973489D+01	0.90693314D+01	0.10092052D+03
44	0.16906099D+02	0.47844959D+01	0.90466075D+01	0.10047114D+03
45	0.16945881D+02	0.47720295D+01	0.90245408D+01	0.10003604D+03
46	0.16984732D+02	0.47599296D+01	0.90030979D+01	0.99614445D+02
47	0.17022694D+02	0.47481777D+01	0.89822478D+01	0.99205649D+02
48	0.17059804D+02	0.47367565D+01	0.89619616D+01	0.98808993D+02
49	0.17096100D+02	0.47256500D+01	0.89422124D+01	0.98423865D+02
50	0.17131616D+02	0.47148432D+01	0.89229752D+01	0.98049696D+02

TABLE 1.19: MOMENTS OF THE LARGEST ORDER STATISTIC FROM A SAMPLE OF SIZE n FROM A GAMMA DISTRIBUTION WITH PARAMETER $\alpha=9.5$

n	μ_1'	μ_2	μ_3	μ_4
2	0.11216228D+02	0.82707884D+01	0.15554148D+02	0.25577307D+03
3	0.12165489D+02	0.76189447D+01	0.14169567D+02	0.22172713D+03
4	0.12814767D+02	0.71995647D+01	0.13368244D+02	0.20115143D+03
5	0.13305111D+02	0.68999206D+01	0.12824630D+02	0.18706136D+03
6	0.13697515D+02	0.66714675D+01	0.12421797D+02	0.17665349D+03
7	0.14023741D+02	0.64894431D+01	0.12106106D+02	0.16856495D+03
8	0.14302374D+02	0.63397160D+01	0.11848984D+02	0.16204577D+03
9	0.14545198D+02	0.62135514D+01	0.11633594D+02	0.15664565D+03
10	0.14760142D+02	0.61052169D+01	0.11449260D+02	0.15207616D+03
11	0.14952789D+02	0.60107718D+01	0.11288829D+02	0.14814303D+03
12	0.15127211D+02	0.59274039D+01	0.11147295D+02	0.14471006D+03
13	0.15286472D+02	0.58530447D+01	0.11021029D+02	0.14167863D+03
14	0.15432929D+02	0.57861329D+01	0.10907327D+02	0.13897534D+03
15	0.15568434D+02	0.57254651D+01	0.10804121D+02	0.13654430D+03
16	0.15694469D+02	0.56700958D+01	0.10709800D+02	0.13434210D+03
17	0.15812237D+02	0.56192705D+01	0.10623086D+02	0.13233445D+03
18	0.15922729D+02	0.55723786D+01	0.10542949D+02	0.13049386D+03
19	0.16026768D+02	0.55289196D+01	0.10468548D+02	0.12879801D+03
20	0.16125047D+02	0.54884788D+01	0.10399189D+02	0.12722853D+03
21	0.16218154D+02	0.54507093D+01	0.10334293D+02	0.12577019D+03
22	0.16306593D+02	0.54153180D+01	0.10273371D+02	0.12441020D+03
23	0.16390797D+02	0.53820557D+01	0.10216007D+02	0.12313775D+03
24	0.16471143D+02	0.53507086D+01	0.10161846D+02	0.12194365D+03
25	0.16547960D+02	0.53210922D+01	0.10110583D+02	0.12081998D+03
26	0.16621539D+02	0.52930462D+01	0.10061950D+02	0.11975993D+03
27	0.16692133D+02	0.52664308D+01	0.10015715D+02	0.11875757D+03
28	0.16759969D+02	0.52411231D+01	0.99716743D+01	0.11780772D+03
29	0.16825250D+02	0.52170147D+01	0.99296485D+01	0.11690584D+03
30	0.16888157D+02	0.51940096D+01	0.98894779D+01	0.11604790D+03
31	0.16948851D+02	0.51720224D+01	0.98510207D+01	0.11523037D+03
32	0.17007479D+02	0.51509767D+01	0.98141501D+01	0.11445008D+03
33	0.17064175D+02	0.51308041D+01	0.97787525D+01	0.11370420D+03
34	0.17119058D+02	0.51114431D+01	0.97447256D+01	0.11299020D+03
35	0.17172237D+02	0.50928381D+01	0.97119770D+01	0.11230581D+03
36	0.17223813D+02	0.50749388D+01	0.96804229D+01	0.11164898D+03
37	0.17273878D+02	0.50576995D+01	0.96499874D+01	0.11101785D+03
38	0.17322514D+02	0.50410787D+01	0.96206012D+01	0.11041073D+03
39	0.17369800D+02	0.50250384D+01	0.95922011D+01	0.10982610D+03
40	0.17415807D+02	0.50095440D+01	0.95647293D+01	0.10926254D+03
41	0.17460601D+02	0.49945636D+01	0.95381325D+01	0.10871879D+03
42	0.17504241D+02	0.49800680D+01	0.95123620D+01	0.10819367D+03
43	0.17546786D+02	0.49660302D+01	0.94873726D+01	0.10768610D+03
44	0.17588286D+02	0.49524255D+01	0.94631230D+01	0.10719510D+03
45	0.17628792D+02	0.49392307D+01	0.94395746D+01	0.10671976D+03
46	0.17668348D+02	0.49264248D+01	0.94166917D+01	0.10625922D+03
47	0.17706997D+02	0.49139880D+01	0.93944413D+01	0.10581271D+03
48	0.17744779D+02	0.49019019D+01	0.93727926D+01	0.10537950D+03
49	0.17781731D+02	0.48901494D+01	0.93517170D+01	0.10495893D+03
50	0.17817887D+02	0.48787147D+01	0.93311877D+01	0.10455037D+03

TABLE 1.20: MOMENTS OF THE LARGEST ORDER STATISTIC FROM A SAMPLE OF SIZE n FROM A GAMMA DISTRIBUTION WITH PARAMETER $\alpha=10.0$

n	μ_1'	μ_2	μ_3	μ_4
2	0.11761971D+02	0.86574304D+01	0.16340684D+02	0.27831915D+03
3	0.12734141D+02	0.79546987D+01	0.14875073D+02	0.24020031D+03
4	0.13398269D+02	0.75050091D+01	0.14026758D+02	0.21730793D+03
5	0.13899433D+02	0.71847091D+01	0.13450942D+02	0.20169191D+03
6	0.14300267D+02	0.69410170D+01	0.13024004D+02	0.19018786D+03
7	0.14633355D+02	0.67471454D+01	0.12689256D+02	0.18126537D+03
8	0.14917748D+02	0.65878595D+01	0.12416500D+02	0.17408540D+03
9	0.15165520D+02	0.64537656D+01	0.12187934D+02	0.16814557D+03
10	0.15384789D+02	0.63387109D+01	0.11992268D+02	0.16312478D+03
11	0.15581270D+02	0.62384718D+01	0.11821932D+02	0.15880714D+03
12	0.15759130D+02	0.61500384D+01	0.11671628D+02	0.15504155D+03
13	0.15921503D+02	0.60711988D+01	0.11537516D+02	0.15171871D+03
14	0.16070798D+02	0.60002853D+01	0.11416729D+02	0.14875739D+03
15	0.16208911D+02	0.59360132D+01	0.11307078D+02	0.14609576D+03
16	0.16337355D+02	0.58773741D+01	0.11206855D+02	0.14368588D+03
17	0.16457361D+02	0.58235635D+01	0.11114707D+02	0.14148990D+03
18	0.16569940D+02	0.57739310D+01	0.11029539D+02	0.13947748D+03
19	0.16675934D+02	0.57279435D+01	0.10950463D+02	0.13762402D+03
20	0.16776050D+02	0.56851597D+01	0.10876740D+02	0.13590928D+03
21	0.16870890D+02	0.56452103D+01	0.10807756D+02	0.13431648D+03
22	0.16960967D+02	0.56077838D+01	0.10742993D+02	0.13283156D+03
23	0.17046724D+02	0.55726151D+01	0.10682010D+02	0.13144262D+03
24	0.17128547D+02	0.55394770D+01	0.10624429D+02	0.13013953D+03
25	0.17206771D+02	0.55081735D+01	0.10569927D+02	0.12891363D+03
26	0.17281692D+02	0.54785342D+01	0.10518219D+02	0.12775740D+03
27	0.17353569D+02	0.54504108D+01	0.10469059D+02	0.12666434D+03
28	0.17422635D+02	0.54236726D+01	0.10422232D+02	0.12562876D+03
29	0.17489095D+02	0.53982048D+01	0.10377545D+02	0.12464567D+03
30	0.17553135D+02	0.53739053D+01	0.10334830D+02	0.12371067D+03
31	0.17614919D+02	0.53506836D+01	0.10293937D+02	0.12281986D+03
32	0.17674597D+02	0.53284587D+01	0.10254729D+02	0.12196977D+03
33	0.17732306D+02	0.53071579D+01	0.10217087D+02	0.12115731D+03
34	0.17788166D+02	0.52867161D+01	0.10180903D+02	0.12037971D+03
35	0.17842290D+02	0.52670743D+01	0.10146077D+02	0.11963446D+03
36	0.17894781D+02	0.52481792D+01	0.10112521D+02	0.11891933D+03
37	0.17945731D+02	0.52299823D+01	0.10080154D+02	0.11823228D+03
38	0.17995226D+02	0.52124398D+01	0.10048903D+02	0.11757145D+03
39	0.18043345D+02	0.51955112D+01	0.10018700D+02	0.11693518D+03
40	0.18090160D+02	0.51791600D+01	0.99894837D+01	0.11632193D+03
41	0.18135739D+02	0.51633523D+01	0.99611981D+01	0.11573030D+03
42	0.18180144D+02	0.51480573D+01	0.99337911D+01	0.11515901D+03
43	0.18223431D+02	0.51332463D+01	0.99072147D+01	0.11460688D+03
44	0.18265656D+02	0.51188932D+01	0.98814248D+01	0.11407282D+03
45	0.18306866D+02	0.51049735D+01	0.98563806D+01	0.11355585D+03
46	0.18347110D+02	0.50914647D+01	0.98320441D+01	0.11305504D+03
47	0.18386429D+02	0.50783461D+01	0.98083801D+01	0.11256952D+03
48	0.18424865D+02	0.50655981D+01	0.97853560D+01	0.11209852D+03
49	0.18462456D+02	0.50532027D+01	0.97629414D+01	0.11164130D+03
50	0.18499236D+02	0.50411431D+01	0.97411077D+01	0.11119718D+03

TABLE 1.21: MOMENTS OF THE LARGEST ORDER STATISTIC FROM A SAMPLE OF SIZE n FROM A GAMMA DISTRIBUTION WITH PARAMETER $\alpha=11.0$

n	μ_1'	μ_2	μ_3	μ_4
2	0.12850069D+02	0.94273136D+01	0.17921160D+02	0.32601765D+03
3	0.13866354D+02	0.86220505D+01	0.16295176D+02	0.27908533D+03
4	0.14559082D+02	0.81114858D+01	0.15353276D+02	0.25121300D+03
5	0.15081083D+02	0.77497770D+01	0.14713057D+02	0.23233011D+03
6	0.15498153D+02	0.74755734D+01	0.14237769D+02	0.21848582D+03
7	0.15844460D+02	0.72580037D+01	0.13864719D+02	0.20778673D+03
8	0.16139951D+02	0.70796109D+01	0.13560490D+02	0.19920138D+03
9	0.16397255D+02	0.69296764D+01	0.13305369D+02	0.19211522D+03
10	0.16624858D+02	0.68012028D+01	0.13086841D+02	0.18613695D+03
11	0.16828726D+02	0.66893992D+01	0.12896509D+02	0.18100435D+03
12	0.17013211D+02	0.65908587D+01	0.12728492D+02	0.17653434D+03
13	0.17181579D+02	0.65030824D+01	0.12578521D+02	0.17259483D+03
14	0.17336345D+02	0.64241890D+01	0.12443410D+02	0.16908780D+03
15	0.17479483D+02	0.63527314D+01	0.12320724D+02	0.16593882D+03
16	0.17612570D+02	0.62875747D+01	0.12208562D+02	0.16309023D+03
17	0.17736888D+02	0.62278152D+01	0.12105415D+02	0.16049660D+03
18	0.17853490D+02	0.61727221D+01	0.12010067D+02	0.15812154D+03
19	0.17963252D+02	0.61216976D+01	0.11921523D+02	0.15593558D+03
20	0.18066910D+02	0.60742469D+01	0.11838964D+02	0.15391451D+03
21	0.18165090D+02	0.60299563D+01	0.11761702D+02	0.15203827D+03
22	0.18258326D+02	0.59884772D+01	0.11689159D+02	0.15029006D+03
23	0.18347078D+02	0.59495129D+01	0.11620844D+02	0.14865568D+03
24	0.18431747D+02	0.59128093D+01	0.11556335D+02	0.14712308D+03
25	0.18512683D+02	0.58781474D+01	0.11495270D+02	0.14568189D+03
26	0.18590191D+02	0.58453370D+01	0.11437332D+02	0.14432320D+03
27	0.18664543D+02	0.58142123D+01	0.11382246D+02	0.14303926D+03
28	0.18735978D+02	0.57846276D+01	0.11329770D+02	0.14182330D+03
29	0.18804713D+02	0.57564547D+01	0.11279691D+02	0.14066939D+03
30	0.18870936D+02	0.57295800D+01	0.11231819D+02	0.13957230D+03
31	0.18934822D+02	0.57039023D+01	0.11185986D+02	0.13852741D+03
32	0.18996525D+02	0.56793314D+01	0.11142042D+02	0.13753060D+03
33	0.19056186D+02	0.56557865D+01	0.11099851D+02	0.13657820D+03
34	0.19113932D+02	0.56331949D+01	0.11059292D+02	0.13566692D+03
35	0.19169879D+02	0.56114909D+01	0.11020254D+02	0.13479380D+03
36	0.19224133D+02	0.55906154D+01	0.10982640D+02	0.13395618D+03
37	0.19276790D+02	0.55705143D+01	0.10946357D+02	0.13315165D+03
38	0.19327941D+02	0.55511387D+01	0.10911325D+02	0.13237803D+03
39	0.19377665D+02	0.55324440D+01	0.10877467D+02	0.13163332D+03
40	0.19426040D+02	0.55143891D+01	0.10844714D+02	0.13091572D+03
41	0.19473134D+02	0.54969367D+01	0.10813004D+02	0.13022358D+03
42	0.19519011D+02	0.54800523D+01	0.10782279D+02	0.12955537D+03
43	0.19563732D+02	0.54637042D+01	0.10752485D+02	0.12890970D+03
44	0.19607352D+02	0.54478632D+01	0.10723572D+02	0.12828530D+03
45	0.19649922D+02	0.54325023D+01	0.10695494D+02	0.12768098D+03
46	0.19691491D+02	0.54175965D+01	0.10668210D+02	0.12709566D+03
47	0.19732103D+02	0.54031227D+01	0.10641680D+02	0.12652833D+03
48	0.19771801D+02	0.53890592D+01	0.10615866D+02	0.12597805D+03
49	0.19810623D+02	0.53753860D+01	0.10590736D+02	0.12544396D+03
50	0.19848607D+02	0.53620845D+01	0.10566257D+02	0.12492525D+03

TABLE 1.22: MOMENTS OF THE LARGEST ORDER STATISTIC FROM A SAMPLE OF SIZE n FROM A GAMMA DISTRIBUTION WITH PARAMETER $\alpha=12.0$

n	μ_1'	μ_2	μ_3	μ_4
2	0.13934163D+02	0.10193176D+02	0.19511744D+02	0.37716871D+03
3	0.14992550D+02	0.92844888D+01	0.17727597D+02	0.32053290D+03
4	0.15712573D+02	0.87127455D+01	0.16692614D+02	0.28722029D+03
5	0.16254464D+02	0.83095118D+01	0.15987980D+02	0.26478553D+03
6	0.16687035D+02	0.80047566D+01	0.15464150D+02	0.24840531D+03
7	0.17045961D+02	0.77634833D+01	0.15052543D+02	0.23578582D+03
8	0.17352049D+02	0.75659953D+01	0.14716569D+02	0.22568433D+03
9	0.17618455D+02	0.74002408D+01	0.14434624D+02	0.21736347D+03
10	0.17854016D+02	0.72583732D+01	0.14192976D+02	0.21035530D+03
11	0.18064940D+02	0.71350322D+01	0.13982403D+02	0.20434708D+03
12	0.18255751D+02	0.70264125D+01	0.13796441D+02	0.19912098D+03
13	0.18429847D+02	0.69297272D+01	0.13630395D+02	0.19452013D+03
14	0.18589838D+02	0.68428814D+01	0.13480758D+02	0.19042832D+03
15	0.18737776D+02	0.67642648D+01	0.13344846D+02	0.18675747D+03
16	0.18875299D+02	0.66926166D+01	0.13220565D+02	0.18343939D+03
17	0.19003737D+02	0.66269331D+01	0.13106251D+02	0.18042044D+03
18	0.19124183D+02	0.65664036D+01	0.13000563D+02	0.17765773D+03
19	0.19237545D+02	0.65103653D+01	0.12902402D+02	0.17511650D+03
20	0.19344587D+02	0.64582701D+01	0.12810863D+02	0.17276827D+03
21	0.19445958D+02	0.64096600D+01	0.12725188D+02	0.17058944D+03
22	0.19542211D+02	0.63641489D+01	0.12644738D+02	0.16856026D+03
23	0.19633826D+02	0.63214090D+01	0.12568969D+02	0.16666407D+03
24	0.19721215D+02	0.62811592D+01	0.12497416D+02	0.16488671D+03
25	0.19804741D+02	0.62431575D+01	0.12429677D+02	0.16321603D+03
26	0.19884722D+02	0.62071940D+01	0.12365403D+02	0.16164157D+03
27	0.19961439D+02	0.61730853D+01	0.12304290D+02	0.16015426D+03
28	0.20035140D+02	0.61406709D+01	0.12246068D+02	0.15874617D+03
29	0.20106047D+02	0.61098091D+01	0.12190503D+02	0.15741037D+03
30	0.20174359D+02	0.60803747D+01	0.12137385D+02	0.15614073D+03
31	0.20240253D+02	0.60522561D+01	0.12086528D+02	0.15493185D+03
32	0.20303891D+02	0.60253540D+01	0.12037764D+02	0.15377891D+03
33	0.20365419D+02	0.59995792D+01	0.11990944D+02	0.15267763D+03
34	0.20424967D+02	0.59748516D+01	0.11945933D+02	0.15162416D+03
35	0.20482655D+02	0.59510990D+01	0.11902611D+02	0.15061506D+03
36	0.20538595D+02	0.59282561D+01	0.11860866D+02	0.14964721D+03
37	0.20592885D+02	0.59062634D+01	0.11820598D+02	0.14871780D+03
38	0.20645617D+02	0.58850672D+01	0.11781717D+02	0.14782429D+03
39	0.20696877D+02	0.58646182D+01	0.11744139D+02	0.14696436D+03
40	0.20746742D+02	0.58448714D+01	0.11707788D+02	0.14613590D+03
41	0.20795284D+02	0.58257855D+01	0.11672593D+02	0.14533697D+03
42	0.20842570D+02	0.58073229D+01	0.11638490D+02	0.14456582D+03
43	0.20888661D+02	0.57894485D+01	0.11605420D+02	0.14382082D+03
44	0.20933615D+02	0.57721303D+01	0.11573328D+02	0.14310048D+03
45	0.20977485D+02	0.57553385D+01	0.11542163D+02	0.14240344D+03
46	0.21020321D+02	0.57390458D+01	0.11511878D+02	0.14172841D+03
47	0.21062169D+02	0.57232265D+01	0.11482430D+02	0.14107423D+03
48	0.21103073D+02	0.57078571D+01	0.11453777D+02	0.14043982D+03
49	0.21143073D+02	0.56929155D+01	0.11425883D+02	0.13982416D+03
50	0.21182207D+02	0.56783813D+01	0.11398711D+02	0.13922632D+03

TABLE 1.23: MOMENTS OF THE LARGEST ORDER STATISTIC FROM A SAMPLE OF SIZE n FROM A GAMMA DISTRIBUTION WITH PARAMETER $\alpha=13.0$

n	μ_1'	μ_2	μ_3	μ_4
2	0.15014753D+02	0.10955523D+02	0.21112615D+02	0.43174809D+03
3	0.16113481D+02	0.99426297D+01	0.19172460D+02	0.36451893D+03
4	0.16859661D+02	0.93094415D+01	0.18044868D+02	0.32530757D+03
5	0.17420612D+02	0.88645806D+01	0.17275794D+02	0.29903774D+03
6	0.17868039D+02	0.85292376D+01	0.16703226D+02	0.27992739D+03
7	0.18239062D+02	0.82642550D+01	0.16252806D+02	0.26524497D+03
8	0.18555307D+02	0.80476812D+01	0.15884819D+02	0.25351761D+03
9	0.18830439D+02	0.78661240D+01	0.15575783D+02	0.24387456D+03
10	0.19073630D+02	0.77108837D+01	0.15310759D+02	0.23576481D+03
11	0.19291318D+02	0.75760282D+01	0.15079705D+02	0.22882098D+03
12	0.19488195D+02	0.74573531D+01	0.14875572D+02	0.22278770D+03
13	0.19667782D+02	0.73517828D+01	0.14693238D+02	0.21748136D+03
14	0.19832784D+02	0.72570079D+01	0.14528874D+02	0.21276618D+03
15	0.19985326D+02	0.71712554D+01	0.14379550D+02	0.20853932D+03
16	0.20127103D+02	0.70931380D+01	0.14242975D+02	0.20472135D+03
17	0.20259492D+02	0.70215520D+01	0.14117329D+02	0.20124977D+03
18	0.20383623D+02	0.69556069D+01	0.14001144D+02	0.19807469D+03
19	0.20500438D+02	0.68945750D+01	0.13893219D+02	0.19515571D+03
20	0.20610726D+02	0.68378545D+01	0.13792562D+02	0.19245976D+03
21	0.20715158D+02	0.67849434D+01	0.13698342D+02	0.18995943D+03
22	0.20814306D+02	0.67354183D+01	0.13609859D+02	0.18763184D+03
23	0.20908666D+02	0.66889200D+01	0.13526517D+02	0.18545767D+03
24	0.20998664D+02	0.66451406D+01	0.13447807D+02	0.18342051D+03
25	0.21084676D+02	0.66038152D+01	0.13373286D+02	0.18150631D+03
26	0.21167029D+02	0.65647139D+01	0.13302573D+02	0.17970296D+03
27	0.21246014D+02	0.65276363D+01	0.13235333D+02	0.17799996D+03
28	0.21321888D+02	0.64924065D+01	0.13171271D+02	0.17638816D+03
29	0.21394880D+02	0.64588699D+01	0.13110130D+02	0.17485953D+03
30	0.21465195D+02	0.64268893D+01	0.13051678D+02	0.17340702D+03
31	0.21533017D+02	0.63963430D+01	0.12995712D+02	0.17202437D+03
32	0.21598511D+02	0.63671224D+01	0.12942047D+02	0.17070603D+03
33	0.21661829D+02	0.63391300D+01	0.12890521D+02	0.16944706D+03
34	0.21723106D+02	0.63122784D+01	0.12840984D+02	0.16824302D+03
35	0.21782466D+02	0.62864887D+01	0.12793304D+02	0.16708994D+03
36	0.21840023D+02	0.62616896D+01	0.12747359D+02	0.16598422D+03
37	0.21895879D+02	0.62378163D+01	0.12703039D+02	0.16492264D+03
38	0.21950130D+02	0.62148101D+01	0.12660244D+02	0.16390226D+03
39	0.22002862D+02	0.61926172D+01	0.12618882D+02	0.16292040D+03
40	0.22054158D+02	0.61711885D+01	0.12578870D+02	0.16197465D+03
41	0.22104089D+02	0.61504792D+01	0.12540130D+02	0.16106277D+03
42	0.22152726D+02	0.61304478D+01	0.12502592D+02	0.16018274D+03
43	0.22200132D+02	0.61110565D+01	0.12466190D+02	0.15933269D+03
44	0.22246366D+02	0.60922702D+01	0.12430864D+02	0.15851091D+03
45	0.22291484D+02	0.60740565D+01	0.12396559D+02	0.15771582D+03
46	0.22335536D+02	0.60563855D+01	0.12363222D+02	0.15694596D+03
47	0.22378570D+02	0.60392293D+01	0.12330805D+02	0.15619999D+03
48	0.22420631D+02	0.60225623D+01	0.12299265D+02	0.15547665D+03
49	0.22461762D+02	0.60063605D+01	0.12268558D+02	0.15477479D+03
50	0.22502000D+02	0.59906014D+01	0.12238647D+02	0.15409334D+03

TABLE 1.24: MOMENTS OF THE LARGEST ORDER STATISTIC FROM A SAMPLE OF SIZE n FROM A GAMMA DISTRIBUTION WITH PARAMETER $\alpha=14.0$

n	μ_1'	μ_2	μ_3	μ_4
2	0.16092244D+02	0.11714760D+02	0.22723856D+02	0.48973422D+03
3	0.17229756D+02	0.10596970D+02	0.20629800D+02	0.41102194D+03
4	0.18001085D+02	0.99021011D+01	0.19410049D+02	0.36545500D+03
5	0.18580364D+02	0.94155216D+01	0.18576501D+02	0.33506846D+03
6	0.19042076D+02	0.90495581D+01	0.17954997D+02	0.31303507D+03
7	0.19424732D+02	0.87608606D+01	0.17465510D+02	0.29614827D+03
8	0.19750746D+02	0.85252088D+01	0.17065242D+02	0.28268624D+03
9	0.20034272D+02	0.83278636D+01	0.16728853D+02	0.27163428D+03
10	0.20284800D+02	0.81592689D+01	0.16440203D+02	0.26235195D+03
11	0.20508995D+02	0.80129190D+01	0.16188430D+02	0.25441310D+03
12	0.20711708D+02	0.78842090D+01	0.15965904D+02	0.24752205D+03
13	0.20896578D+02	0.77697744D+01	0.15767074D+02	0.24146652D+03
14	0.21066401D+02	0.76670910D+01	0.15587789D+02	0.23608975D+03
15	0.21223371D+02	0.75742226D+01	0.15424869D+02	0.23127316D+03
16	0.21369241D+02	0.74896553D+01	0.15275827D+02	0.22692521D+03
17	0.21505431D+02	0.74121856D+01	0.15138688D+02	0.22297398D+03
18	0.21633109D+02	0.73408431D+01	0.15011855D+02	0.21936209D+03
19	0.21753246D+02	0.72748349D+01	0.14894022D+02	0.21604313D+03
20	0.21866657D+02	0.72135061D+01	0.14784111D+02	0.21297912D+03
21	0.21974035D+02	0.71563101D+01	0.14681217D+02	0.21013862D+03
22	0.22075969D+02	0.71027868D+01	0.14584579D+02	0.20749538D+03
23	0.22172970D+02	0.70525451D+01	0.14493548D+02	0.20502725D+03
24	0.22265479D+02	0.70052507D+01	0.14407569D+02	0.20271543D+03
25	0.22353883D+02	0.69606156D+01	0.14326161D+02	0.20054385D+03
26	0.22438519D+02	0.69183901D+01	0.14248908D+02	0.19849863D+03
27	0.22519687D+02	0.68783565D+01	0.14175444D+02	0.19656777D+03
28	0.22597653D+02	0.68403241D+01	0.14105450D+02	0.19474081D+03
29	0.22672651D+02	0.68041248D+01	0.14038644D+02	0.19300857D+03
30	0.22744894D+02	0.67696099D+01	0.13974773D+02	0.19136298D+03
31	0.22814570D+02	0.67366473D+01	0.13913616D+02	0.18979691D+03
32	0.22881852D+02	0.67051192D+01	0.13854972D+02	0.18830401D+03
33	0.22946893D+02	0.66749200D+01	0.13798663D+02	0.18687865D+03
34	0.23009834D+02	0.66459548D+01	0.13744527D+02	0.18551575D+03
35	0.23070803D+02	0.66181382D+01	0.13692418D+02	0.18421078D+03
36	0.23129916D+02	0.65913928D+01	0.13642204D+02	0.18295966D+03
37	0.23187280D+02	0.65656485D+01	0.13593766D+02	0.18175870D+03
38	0.23242992D+02	0.65408416D+01	0.13546993D+02	0.18060454D+03
39	0.23297143D+02	0.65169139D+01	0.13501786D+02	0.17949415D+03
40	0.23349815D+02	0.64938122D+01	0.13458053D+02	0.17842475D+03
41	0.23401084D+02	0.64714879D+01	0.13415710D+02	0.17739383D+03
42	0.23451022D+02	0.64498963D+01	0.13374680D+02	0.17639905D+03
43	0.23499694D+02	0.64289962D+01	0.13334892D+02	0.17543831D+03
44	0.23547160D+02	0.64087498D+01	0.13296279D+02	0.17450965D+03
45	0.23593478D+02	0.63891219D+01	0.13258781D+02	0.17361128D+03
46	0.23638701D+02	0.63700802D+01	0.13222342D+02	0.17274153D+03
47	0.23682877D+02	0.63515947D+01	0.13186908D+02	0.17189887D+03
48	0.23726053D+02	0.63336373D+01	0.13152432D+02	0.17108189D+03
49	0.23768271D+02	0.63161823D+01	0.13118867D+02	0.17028926D+03
50	0.23809573D+02	0.62992054D+01	0.13086171D+02	0.16951977D+03

TABLE 1.25: MOMENTS OF THE LARGEST ORDER STATISTIC FROM A SAMPLE OF SIZE n FROM A GAMMA DISTRIBUTION WITH PARAMETER $\alpha=15.0$

n	μ_1'	μ_2	μ_3	μ_4
2	0.17166967D+02	0.12471222D+02	0.24345494D+02	0.55110774D+03
3	0.18341874D+02	0.11247919D+02	0.22099593D+02	0.46002265D+03
4	0.19137452D+02	0.10491157D+02	0.20788114D+02	0.40764472D+03
5	0.19734405D+02	0.99627771D+01	0.19890051D+02	0.37286119D+03
6	0.20209894D+02	0.95661633D+01	0.19219411D+02	0.34771301D+03
7	0.20603770D+02	0.92537453D+01	0.18690606D+02	0.32848135D+03
8	0.20939205D+02	0.89990221D+01	0.18257794D+02	0.31317665D+03
9	0.21230826D+02	0.87859015D+01	0.17893794D+02	0.30062977D+03
10	0.21488433D+02	0.86039683D+01	0.17581271D+02	0.29010443D+03
11	0.21718905D+02	0.84461415D+01	0.17308547D+02	0.28111165D+03
12	0.21927247D+02	0.83074149D+01	0.17067409D+02	0.27331270D+03
13	0.22117213D+02	0.81841341D+01	0.16851879D+02	0.26646469D+03
14	0.22291687D+02	0.80735602D+01	0.16657482D+02	0.26038849D+03
15	0.22452930D+02	0.79735934D+01	0.16480787D+02	0.25494872D+03
16	0.22602748D+02	0.78825934D+01	0.16319111D+02	0.25004100D+03
17	0.22742606D+02	0.77992566D+01	0.16170320D+02	0.24558337D+03
18	0.22873706D+02	0.77225326D+01	0.16032689D+02	0.24151049D+03
19	0.22997049D+02	0.76515636D+01	0.15904809D+02	0.23776955D+03
20	0.23113474D+02	0.75856413D+01	0.15785510D+02	0.23431736D+03
21	0.23223693D+02	0.75241749D+01	0.15673816D+02	0.23111820D+03
22	0.23328315D+02	0.74666669D+01	0.15568904D+02	0.22814223D+03
23	0.23427865D+02	0.74126952D+01	0.15470071D+02	0.22536432D+03
24	0.23522798D+02	0.73618986D+01	0.15376715D+02	0.22276315D+03
25	0.23613509D+02	0.73139662D+01	0.15288316D+02	0.22032047D+03
26	0.23700349D+02	0.72686284D+01	0.15204424D+02	0.21802055D+03
27	0.23783624D+02	0.72256505D+01	0.15124643D+02	0.21584980D+03
28	0.23863608D+02	0.71848265D+01	0.15048626D+02	0.21379635D+03
29	0.23940542D+02	0.71459753D+01	0.14976067D+02	0.21184983D+03
30	0.24014645D+02	0.71089366D+01	0.14906695D+02	0.21000108D+03
31	0.24086112D+02	0.70735678D+01	0.14840267D+02	0.20824203D+03
32	0.24155118D+02	0.70397421D+01	0.14776567D+02	0.20656552D+03
33	0.24221823D+02	0.70073455D+01	0.14715401D+02	0.20496514D+03
34	0.24286371D+02	0.69762760D+01	0.14656594D+02	0.20343520D+03
35	0.24348892D+02	0.69464414D+01	0.14599987D+02	0.20197054D+03
36	0.24409508D+02	0.69177585D+01	0.14545438D+02	0.20056656D+03
37	0.24468327D+02	0.68901516D+01	0.14492817D+02	0.19921909D+03
38	0.24525449D+02	0.68635523D+01	0.14442003D+02	0.19792433D+03
39	0.24580968D+02	0.68378978D+01	0.14392890D+02	0.19667886D+03
40	0.24634969D+02	0.68131309D+01	0.14345378D+02	0.19547955D+03
41	0.24687530D+02	0.67891993D+01	0.14299376D+02	0.19432355D+03
42	0.24738723D+02	0.67660548D+01	0.14254799D+02	0.19320824D+03
43	0.24788617D+02	0.67436533D+01	0.14211571D+02	0.19213123D+03
44	0.24837273D+02	0.67219537D+01	0.14169619D+02	0.19109032D+03
45	0.24884750D+02	0.67009186D+01	0.14128878D+02	0.19008348D+03
46	0.24931103D+02	0.66805130D+01	0.14089287D+02	0.18910883D+03
47	0.24976381D+02	0.66607046D+01	0.14050789D+02	0.18816466D+03
48	0.25020632D+02	0.66414634D+01	0.14013330D+02	0.18724936D+03
49	0.25063901D+02	0.66227615D+01	0.13976861D+02	0.18636144D+03
50	0.25106229D+02	0.66045729D+01	0.13941337D+02	0.18549953D+03

TABLE 1.26: MOMENTS OF THE LARGEST ORDER STATISTIC FROM A SAMPLE OF SIZE n FROM A GAMMA DISTRIBUTION WITH PARAMETER $\alpha=16.0$

n	μ_1'	μ_2	μ_3	μ_4
2	0.18239199D+02	0.13225187D+02	0.25977511D+02	0.61585116D+03
3	0.19450252D+02	0.11895816D+02	0.23581775D+02	0.51150360D+03
4	0.20269270D+02	0.11076971D+02	0.22178980D+02	0.45186055D+03
5	0.20883308D+02	0.10506715D+02	0.21216356D+02	0.41240095D+03
6	0.21372115D+02	0.10079424D+02	0.20496381D+02	0.38394729D+03
7	0.21776838D+02	0.97432802D+01	0.19928009D+02	0.36223114D+03
8	0.22121383D+02	0.94694910D+01	0.19462394D+02	0.34497650D+03
9	0.22420831D+02	0.92406062D+01	0.19070529D+02	0.33084927D+03
10	0.22685283D+02	0.90453485D+01	0.18733892D+02	0.31901103D+03
11	0.22921824D+02	0.88760603D+01	0.18439989D+02	0.30890589D+03
12	0.23135610D+02	0.87273330D+01	0.18180025D+02	0.30014930D+03
13	0.23330504D+02	0.85952223D+01	0.17947595D+02	0.29246587D+03
14	0.23509475D+02	0.84767738D+01	0.17737899D+02	0.28565271D+03
15	0.23674850D+02	0.83697244D+01	0.17547254D+02	0.27955663D+03
16	0.23828487D+02	0.82723068D+01	0.17372779D+02	0.27405961D+03
17	0.23971892D+02	0.81831177D+01	0.17212182D+02	0.26906906D+03
18	0.24106302D+02	0.81010264D+01	0.17063608D+02	0.26451121D+03
19	0.24232745D+02	0.80251103D+01	0.16925542D+02	0.26032650D+03
20	0.24352085D+02	0.79546078D+01	0.16796726D+02	0.25646619D+03
21	0.24465053D+02	0.78888836D+01	0.16676110D+02	0.25289004D+03
22	0.24572276D+02	0.78274034D+01	0.16562806D+02	0.24956445D+03
23	0.24674291D+02	0.77697136D+01	0.16456059D+02	0.24646111D+03
24	0.24771567D+02	0.77154262D+01	0.16355220D+02	0.24355602D+03
25	0.24864512D+02	0.76642075D+01	0.16259730D+02	0.24082865D+03
26	0.24953482D+02	0.76157681D+01	0.16169103D+02	0.23826134D+03
27	0.25038796D+02	0.75698561D+01	0.16082912D+02	0.23583877D+03
28	0.25120732D+02	0.75262505D+01	0.16000784D+02	0.23354762D+03
29	0.25199539D+02	0.74847571D+01	0.15922388D+02	0.23137623D+03
30	0.25275442D+02	0.74452038D+01	0.15847433D+02	0.22931434D+03
31	0.25348641D+02	0.74074379D+01	0.15775656D+02	0.22735286D+03
32	0.25419315D+02	0.73713233D+01	0.15706825D+02	0.22548377D+03
33	0.25487629D+02	0.73367379D+01	0.15640729D+02	0.22369987D+03
34	0.25553731D+02	0.73035723D+01	0.15577181D+02	0.22199476D+03
35	0.25617755D+02	0.72717277D+01	0.15516010D+02	0.22036269D+03
36	0.25679824D+02	0.72411149D+01	0.15457060D+02	0.21879847D+03
37	0.25740050D+02	0.72116531D+01	0.15400193D+02	0.21729743D+03
38	0.25798538D+02	0.71832687D+01	0.15345278D+02	0.21585532D+03
39	0.25855381D+02	0.71558946D+01	0.15292200D+02	0.21446830D+03
40	0.25910667D+02	0.71294695D+01	0.15240852D+02	0.21313287D+03
41	0.25964477D+02	0.71039374D+01	0.15191134D+02	0.21184583D+03
42	0.26016885D+02	0.70792467D+01	0.15142957D+02	0.21060425D+03
43	0.26067961D+02	0.70553500D+01	0.15096236D+02	0.20940545D+03
44	0.26117768D+02	0.70322037D+01	0.15050895D+02	0.20824697D+03
45	0.26166367D+02	0.70097675D+01	0.15006862D+02	0.20712653D+03
46	0.26213813D+02	0.69880040D+01	0.14964071D+02	0.20604204D+03
47	0.26260158D+02	0.69668786D+01	0.14922460D+02	0.20499158D+03
48	0.26305450D+02	0.69463593D+01	0.14881973D+02	0.20397333D+03
49	0.26349735D+02	0.69264161D+01	0.14842556D+02	0.20298566D+03
50	0.26393056D+02	0.69070213D+01	0.14804160D+02	0.20202700D+03

TABLE 1.27: MOMENTS OF THE LARGEST ORDER STATISTIC FROM A SAMPLE OF SIZE n FROM A GAMMA DISTRIBUTION WITH PARAMETER $\alpha=17.0$

n	μ_1	μ_2	μ_3	μ_4
2	0.19309174D+02	0.13976890D+02	0.27619860D+02	0.68394858D+03
3	0.20555241D+02	0.12540947D+02	0.25076257D+02	0.56544889D+03
4	0.21396965D+02	0.11659846D+02	0.23582542D+02	0.49808772D+03
5	0.22027554D+02	0.11047647D+02	0.22555307D+02	0.45367411D+03
6	0.22529265D+02	0.10589654D+02	0.21785798D+02	0.42172517D+03
7	0.22944497D+02	0.10229779D+02	0.21177614D+02	0.39738568D+03
8	0.23297868D+02	0.99369280D+01	0.20678940D+02	0.37807446D+03
9	0.23604901D+02	0.96922887D+01	0.20258961D+02	0.36228202D+03
10	0.23875985D+02	0.94837190D+01	0.19897971D+02	0.34906147D+03
11	0.24118407D+02	0.93029831D+01	0.19582666D+02	0.33778594D+03
12	0.24337468D+02	0.91442696D+01	0.19303668D+02	0.32802234D+03
13	0.24537138D+02	0.90033434D+01	0.19054142D+02	0.31946088D+03
14	0.24720468D+02	0.88770347D+01	0.18828963D+02	0.31187351D+03
15	0.24889847D+02	0.87629167D+01	0.18624196D+02	0.30508824D+03
16	0.25047185D+02	0.86590951D+01	0.18436762D+02	0.29897263D+03
17	0.25194028D+02	0.85640669D+01	0.18264207D+02	0.29342287D+03
18	0.25331646D+02	0.84766211D+01	0.18104548D+02	0.28835629D+03
19	0.25461094D+02	0.83957703D+01	0.17956161D+02	0.28370617D+03
20	0.25583259D+02	0.83206993D+01	0.17817701D+02	0.27941798D+03
21	0.25698892D+02	0.82507290D+01	0.17688042D+02	0.27544668D+03
22	0.25808635D+02	0.81852875D+01	0.17566232D+02	0.27175470D+03
23	0.25913040D+02	0.81238901D+01	0.17451463D+02	0.26831041D+03
24	0.26012588D+02	0.80661223D+01	0.17343039D+02	0.26508697D+03
25	0.26107697D+02	0.80116271D+01	0.17240359D+02	0.26206145D+03
26	0.26198733D+02	0.79600958D+01	0.17142902D+02	0.25921414D+03
27	0.26286022D+02	0.79112589D+01	0.17050211D+02	0.25652794D+03
28	0.26369850D+02	0.78648807D+01	0.16961885D+02	0.25398799D+03
29	0.26450474D+02	0.78207537D+01	0.16877570D+02	0.25158126D+03
30	0.26528122D+02	0.77786942D+01	0.16796952D+02	0.24929632D+03
31	0.26602999D+02	0.77385393D+01	0.16719750D+02	0.24712306D+03
32	0.26675291D+02	0.77001436D+01	0.16645714D+02	0.24505249D+03
33	0.26745165D+02	0.76633771D+01	0.16574618D+02	0.24307662D+03
34	0.26812773D+02	0.76281227D+01	0.16506261D+02	0.24118832D+03
35	0.26878253D+02	0.75942754D+01	0.16440458D+02	0.23938117D+03
36	0.26941731D+02	0.75617399D+01	0.16377045D+02	0.23764940D+03
37	0.27003323D+02	0.75304299D+01	0.16315870D+02	0.23598780D+03
38	0.27063133D+02	0.75002669D+01	0.16256795D+02	0.23439166D+03
39	0.27121260D+02	0.74711796D+01	0.16199694D+02	0.23285668D+03
40	0.27177793D+02	0.74431026D+01	0.16144453D+02	0.23137898D+03
41	0.27232814D+02	0.74159761D+01	0.16090966D+02	0.22995499D+03
42	0.27286400D+02	0.73897451D+01	0.16039135D+02	0.22858146D+03
43	0.27338621D+02	0.73643592D+01	0.15988871D+02	0.22725541D+03
44	0.27389545D+02	0.73397718D+01	0.15940090D+02	0.22597409D+03
45	0.27439231D+02	0.73159401D+01	0.15892717D+02	0.22473497D+03
46	0.27487736D+02	0.72928240D+01	0.15846679D+02	0.22353574D+03
47	0.27535115D+02	0.72703870D+01	0.15801911D+02	0.22237424D+03
48	0.27581417D+02	0.72485947D+01	0.15758352D+02	0.22124849D+03
49	0.27626688D+02	0.72274153D+01	0.15715943D+02	0.22015662D+03
50	0.27670971D+02	0.72068193D+01	0.15674632D+02	0.21909694D+03

TABLE 1.28: MOMENTS OF THE LARGEST ORDER STATISTIC FROM A SAMPLE OF SIZE n FROM A GAMMA DISTRIBUTION WITH PARAMETER $\alpha=18.0$

n	μ_1'	μ_2	μ_3	μ_4
2	0.20377091D+02	0.14726530D+02	0.29272474D+02	0.75538546D+03
3	0.21657139D+02	0.13183557D+02	0.26582928D+02	0.62184399D+03
4	0.22520901D+02	0.12240041D+02	0.24998675D+02	0.54631272D+03
5	0.23167556D+02	0.11585838D+02	0.23906777D+02	0.49666811D+03
6	0.23681791D+02	0.11097119D+02	0.23087537D+02	0.46103496D+03
7	0.24107224D+02	0.10713507D+02	0.22439298D+02	0.43393397D+03
8	0.24469164D+02	0.10401599D+02	0.21907315D+02	0.41246013D+03
9	0.24783559D+02	0.10141215D+02	0.21458976D+02	0.39491813D+03
10	0.25061081D+02	0.99193440D+01	0.21073402D+02	0.38024629D+03
11	0.25309214D+02	0.97271728D+01	0.20736474D+02	0.36774271D+03
12	0.25533396D+02	0.95584860D+01	0.20438236D+02	0.35692306D+03
13	0.25737704D+02	0.94087573D+01	0.20171423D+02	0.34744124D+03
14	0.25925265D+02	0.92746013D+01	0.19930582D+02	0.33904269D+03
15	0.26098533D+02	0.91534273D+01	0.19711526D+02	0.33153559D+03
16	0.26259464D+02	0.90432142D+01	0.19510974D+02	0.32477231D+03
17	0.26409645D+02	0.89423587D+01	0.19326314D+02	0.31863723D+03
18	0.26550378D+02	0.88495700D+01	0.19155430D+02	0.31303832D+03
19	0.26682744D+02	0.87637956D+01	0.18996591D+02	0.30790134D+03
20	0.26807652D+02	0.86841670D+01	0.18848362D+02	0.30316566D+03
21	0.26925872D+02	0.86099607D+01	0.18709542D+02	0.29878119D+03
22	0.27038062D+02	0.85405681D+01	0.18579115D+02	0.29470620D+03
23	0.27144788D+02	0.84754728D+01	0.18456217D+02	0.29090554D+03
24	0.27246542D+02	0.84142337D+01	0.18340106D+02	0.28734944D+03
25	0.27343752D+02	0.83564712D+01	0.18230139D+02	0.28401243D+03
26	0.27436795D+02	0.83018564D+01	0.18125760D+02	0.28087262D+03
27	0.27526003D+02	0.82501031D+01	0.18026482D+02	0.27791107D+03
28	0.27611669D+02	0.82009604D+01	0.17931874D+02	0.27511129D+03
29	0.27694056D+02	0.81542076D+01	0.17841559D+02	0.27245885D+03
30	0.27773398D+02	0.81096495D+01	0.17755200D+02	0.26994105D+03
31	0.27849906D+02	0.80671129D+01	0.17672498D+02	0.26754670D+03
32	0.27923768D+02	0.80264433D+01	0.17593185D+02	0.26526585D+03
33	0.27995158D+02	0.79875025D+01	0.17517020D+02	0.26308965D+03
34	0.28064229D+02	0.79501662D+01	0.17443786D+02	0.26101019D+03
35	0.28131123D+02	0.79143226D+01	0.17373289D+02	0.25902037D+03
36	0.28195970D+02	0.78798706D+01	0.17305349D+02	0.25711380D+03
37	0.28258887D+02	0.78467185D+01	0.17239806D+02	0.25528472D+03
38	0.28319982D+02	0.78147831D+01	0.17176512D+02	0.25352790D+03
39	0.28379356D+02	0.77839884D+01	0.17115332D+02	0.25183862D+03
40	0.28437099D+02	0.77542652D+01	0.17056144D+02	0.25021255D+03
41	0.28493297D+02	0.77255497D+01	0.16998835D+02	0.24864575D+03
42	0.28548027D+02	0.76977839D+01	0.16943299D+02	0.24713464D+03
43	0.28601361D+02	0.76709140D+01	0.16889441D+02	0.24567591D+03
44	0.28653369D+02	0.76448907D+01	0.16837173D+02	0.24426653D+03
45	0.28704111D+02	0.76196684D+01	0.16786412D+02	0.24290371D+03
46	0.28753646D+02	0.75952048D+01	0.16737081D+02	0.24158488D+03
47	0.28802029D+02	0.75714608D+01	0.16689111D+02	0.24030765D+03
48	0.28849311D+02	0.75484002D+01	0.16642436D+02	0.23906984D+03
49	0.28895539D+02	0.75259892D+01	0.16596993D+02	0.23786940D+03
50	0.28940758D+02	0.75041964D+01	0.16552726D+02	0.23670444D+03

TABLE 1.29: MOMENTS OF THE LARGEST ORDER STATISTIC FROM A SAMPLE OF SIZE n FROM A GAMMA DISTRIBUTION WITH PARAMETER $\alpha=19.0$

n	μ_1'	μ_2	μ_3	μ_4
2	0.21443121D+02	0.15474280D+02	0.30935271D+02	0.83014844D+03
3	0.22756205D+02	0.13823856D+02	0.28101667D+02	0.68067551D+03
4	0.23641393D+02	0.12817781D+02	0.26427248D+02	0.59652310D+03
5	0.24303666D+02	0.12121516D+02	0.25270629D+02	0.54137141D+03
6	0.24830080D+02	0.11602049D+02	0.24401465D+02	0.50186588D+03
7	0.25265431D+02	0.11194697D+02	0.23712931D+02	0.47186587D+03
8	0.25635703D+02	0.10863735D+02	0.23147391D+02	0.44812392D+03
9	0.25957257D+02	0.10587612D+02	0.22670453D+02	0.42874845D+03
10	0.26241041D+02	0.10352451D+02	0.22260065D+02	0.41255671D+03
11	0.26494726D+02	0.10148856D+02	0.21901300D+02	0.39876778D+03
12	0.26723888D+02	0.99702073D+01	0.21583621D+02	0.38684334D+03
13	0.26932705D+02	0.98116881D+01	0.21299332D+02	0.37639910D+03
14	0.27124382D+02	0.96696965D+01	0.21042653D+02	0.36715264D+03
15	0.27301431D+02	0.95414779D+01	0.20809143D+02	0.35889128D+03
16	0.27465857D+02	0.94248845D+01	0.20595320D+02	0.35145145D+03
17	0.27619285D+02	0.93182126D+01	0.20398408D+02	0.34470513D+03
18	0.27763047D+02	0.92200915D+01	0.20216163D+02	0.33855046D+03
19	0.27898251D+02	0.91294036D+01	0.20046744D+02	0.33290532D+03
20	0.28025828D+02	0.90452272D+01	0.19888625D+02	0.32770266D+03
21	0.28146564D+02	0.89667944D+01	0.19740528D+02	0.32288714D+03
22	0.28261134D+02	0.88934596D+01	0.19601374D+02	0.31841262D+03
23	0.28370118D+02	0.88246752D+01	0.19470243D+02	0.31424032D+03
24	0.28474018D+02	0.87599734D+01	0.19346346D+02	0.31033733D+03
25	0.28573272D+02	0.86989516D+01	0.19228998D+02	0.30667557D+03
26	0.28668267D+02	0.86412613D+01	0.19117608D+02	0.30323088D+03
27	0.28759340D+02	0.85865992D+01	0.19011654D+02	0.29998235D+03
28	0.28846794D+02	0.85346993D+01	0.18910682D+02	0.29691181D+03
29	0.28930897D+02	0.84853278D+01	0.18814287D+02	0.29400333D+03
30	0.29011887D+02	0.84382781D+01	0.18722112D+02	0.29124295D+03
31	0.29089981D+02	0.83933665D+01	0.18633837D+02	0.28861829D+03
32	0.29165371D+02	0.83504295D+01	0.18549176D+02	0.28611842D+03
33	0.29238234D+02	0.83093207D+01	0.18467874D+02	0.28373358D+03
34	0.29308729D+02	0.82699085D+01	0.18389699D+02	0.28145506D+03
35	0.29376999D+02	0.82320745D+01	0.18314443D+02	0.27927503D+03
36	0.29443177D+02	0.81957118D+01	0.18241916D+02	0.27718648D+03
37	0.29507383D+02	0.81607234D+01	0.18171946D+02	0.27518304D+03
38	0.29569729D+02	0.81270209D+01	0.18104376D+02	0.27325898D+03
39	0.29630316D+02	0.80945242D+01	0.18039062D+02	0.27140907D+03
40	0.29689236D+02	0.80631598D+01	0.17975874D+02	0.26962859D+03
41	0.29746578D+02	0.80328606D+01	0.17914690D+02	0.26791318D+03
42	0.29802421D+02	0.80035648D+01	0.17855399D+02	0.26625890D+03
43	0.29856839D+02	0.79752157D+01	0.17797899D+02	0.26466212D+03
44	0.29909901D+02	0.79477612D+01	0.17742095D+02	0.26311950D+03
45	0.29961670D+02	0.79211528D+01	0.17687900D+02	0.26162798D+03
46	0.30012207D+02	0.78953461D+01	0.17635232D+02	0.26018473D+03
47	0.30061568D+02	0.78702996D+01	0.17584016D+02	0.25878713D+03
48	0.30109803D+02	0.78459750D+01	0.17534182D+02	0.25743277D+03
49	0.30156962D+02	0.78223365D+01	0.17485663D+02	0.25611940D+03
50	0.30203091D+02	0.77993510D+01	0.17438400D+02	0.25484495D+03

TABLE 1.30: MOMENTS OF THE LARGEST ORDER STATISTIC FROM A SAMPLE OF SIZE n FROM A GAMMA DISTRIBUTION WITH PARAMETER $\alpha=20.0$

n	μ_1'	μ_2	μ_3	μ_4
2	0.22507414D+02	0.16220290D+02	0.32608160D+02	0.90822517D+03
3	0.23852663D+02	0.14462027D+02	0.29632347D+02	0.74193109D+03
4	0.24758712D+02	0.13393259D+02	0.27868120D+02	0.64870735D+03
5	0.25436194D+02	0.12654878D+02	0.26646723D+02	0.58777333D+03
6	0.25974465D+02	0.12104645D+02	0.25727441D+02	0.54420793D+03
7	0.26419475D+02	0.11673547D+02	0.24998377D+02	0.51117198D+03
8	0.26797860D+02	0.11323534D+02	0.24399037D+02	0.48505690D+03
9	0.27126386D+02	0.11031681D+02	0.23893263D+02	0.46376447D+03
10	0.27416267D+02	0.10783238D+02	0.23457836D+02	0.44598461D+03
11	0.27675360D+02	0.10568229D+02	0.23077024D+02	0.43085332D+03
12	0.27909373D+02	0.10379629D+02	0.22739706D+02	0.41777564D+03
13	0.28122582D+02	0.10212330D+02	0.22437757D+02	0.40632718D+03
14	0.28318267D+02	0.10062514D+02	0.22165067D+02	0.39619629D+03
15	0.28498999D+02	0.99272613D+01	0.21916941D+02	0.38714843D+03
16	0.28666830D+02	0.98042977D+01	0.21689695D+02	0.37900336D+03
17	0.28823419D+02	0.96918194D+01	0.21480391D+02	0.37162003D+03
18	0.28970132D+02	0.95883755D+01	0.21286651D+02	0.36488632D+03
19	0.29108101D+02	0.94927833D+01	0.21106524D+02	0.35871185D+03
20	0.29238276D+02	0.94040680D+01	0.20938395D+02	0.35302287D+03
21	0.29361464D+02	0.93214174D+01	0.20780909D+02	0.34775852D+03
22	0.29478352D+02	0.92441488D+01	0.20632922D+02	0.34286809D+03
23	0.29589535D+02	0.91716833D+01	0.20493456D+02	0.33830896D+03
24	0.29695525D+02	0.91035264D+01	0.20361675D+02	0.33404498D+03
25	0.29796771D+02	0.90392528D+01	0.20236854D+02	0.33004530D+03
26	0.29893666D+02	0.89784943D+01	0.20118363D+02	0.32628341D+03
27	0.29986558D+02	0.89209303D+01	0.20005651D+02	0.32273636D+03
28	0.30075753D+02	0.88662800D+01	0.19898233D+02	0.31938419D+03
29	0.30161527D+02	0.88142964D+01	0.19795681D+02	0.31620946D+03
30	0.30244123D+02	0.87647613D+01	0.19697614D+02	0.31319681D+03
31	0.30323761D+02	0.87174809D+01	0.19603694D+02	0.31033270D+03
32	0.30400640D+02	0.86722824D+01	0.19513618D+02	0.30760513D+03
33	0.30474939D+02	0.86290113D+01	0.19427112D+02	0.30500340D+03
34	0.30546820D+02	0.85875288D+01	0.19343932D+02	0.30251797D+03
35	0.30616431D+02	0.85477100D+01	0.19263856D+02	0.30014027D+03
36	0.30683906D+02	0.85094419D+01	0.19186682D+02	0.29786258D+03
37	0.30749368D+02	0.84726221D+01	0.19112227D+02	0.29567797D+03
38	0.30812932D+02	0.84371576D+01	0.19040325D+02	0.29358013D+03
39	0.30874700D+02	0.84029637D+01	0.18970823D+02	0.29156335D+03
40	0.30934768D+02	0.83699630D+01	0.18903582D+02	0.28962244D+03
41	0.30993225D+02	0.83380845D+01	0.18838472D+02	0.28775266D+03
42	0.31050152D+02	0.83072632D+01	0.18775377D+02	0.28594968D+03
43	0.31105625D+02	0.82774394D+01	0.18714187D+02	0.28420951D+03
44	0.31159714D+02	0.82485579D+01	0.18654801D+02	0.28252851D+03
45	0.31212485D+02	0.82205677D+01	0.18597127D+02	0.28090334D+03
46	0.31263998D+02	0.81934219D+01	0.18541077D+02	0.27933088D+03
47	0.31314310D+02	0.81670769D+01	0.18486572D+02	0.27780829D+03
48	0.31363475D+02	0.81414922D+01	0.18433537D+02	0.27633291D+03
49	0.31411541D+02	0.81166300D+01	0.18381903D+02	0.27490230D+03
50	0.31458556D+02	0.80924556D+01	0.18331604D+02	0.27351418D+03

TABLE 1.31: MOMENTS OF THE LARGEST ORDER STATISTIC FROM A SAMPLE OF SIZE n FROM A GAMMA DISTRIBUTION WITH PARAMETER $\alpha=21.0$

n	μ_1'	μ_2	μ_3	μ_4
2	0.23570099D+02	0.16964690D+02	0.34291043D+02	0.98960422D+03
3	0.24946708D+02	0.15098230D+02	0.31174833D+02	0.80559927D+03
4	0.25873096D+02	0.13966644D+02	0.29321147D+02	0.70285478D+03
5	0.26565406D+02	0.13186100D+02	0.28034914D+02	0.63586393D+03
6	0.27115240D+02	0.12605081D+02	0.27065322D+02	0.58805183D+03
7	0.27569669D+02	0.12150232D+02	0.26295496D+02	0.55184356D+03
8	0.27955965D+02	0.11781172D+02	0.25662117D+02	0.52325078D+03
9	0.28291289D+02	0.11473594D+02	0.25127274D+02	0.49995830D+03
10	0.28587117D+02	0.11211878D+02	0.24666588D+02	0.48052241D+03
11	0.28851483D+02	0.10985464D+02	0.24263521D+02	0.46399207D+03
12	0.29090226D+02	0.10786924D+02	0.23906371D+02	0.44971294D+03
13	0.29307718D+02	0.10610855D+02	0.23586580D+02	0.43721867D+03
14	0.29507312D+02	0.10453223D+02	0.23297711D+02	0.42616703D+03
15	0.29691636D+02	0.10310946D+02	0.23034811D+02	0.41630063D+03
16	0.29862787D+02	0.10181622D+02	0.22793994D+02	0.40742177D+03
17	0.30022460D+02	0.10063346D+02	0.22572157D+02	0.39937583D+03
18	0.30172051D+02	0.99545882D+01	0.22366790D+02	0.39203994D+03
19	0.30312716D+02	0.98541003D+01	0.22175833D+02	0.38531511D+03
20	0.30445426D+02	0.97608543D+01	0.21997577D+02	0.37912058D+03
21	0.30571004D+02	0.96739938D+01	0.21830591D+02	0.37338974D+03
22	0.30690154D+02	0.95927990D+01	0.21673664D+02	0.36806711D+03
23	0.30803482D+02	0.95166598D+01	0.21525764D+02	0.36310605D+03
24	0.30911510D+02	0.94450550D+01	0.21386005D+02	0.35846705D+03
25	0.31014699D+02	0.93775365D+01	0.21253620D+02	0.35411639D+03
26	0.31113448D+02	0.93137164D+01	0.21127942D+02	0.35002506D+03
27	0.31208113D+02	0.92532569D+01	0.21008388D+02	0.34616802D+03
28	0.31299007D+02	0.91958623D+01	0.20894445D+02	0.34252344D+03
29	0.31386411D+02	0.91412727D+01	0.20785660D+02	0.33907227D+03
30	0.31470573D+02	0.90892581D+01	0.20681629D+02	0.33579776D+03
31	0.31551719D+02	0.90396144D+01	0.20581994D+02	0.33268511D+03
32	0.31630050D+02	0.89921599D+01	0.20486434D+02	0.32972122D+03
33	0.31705749D+02	0.89467318D+01	0.20394659D+02	0.32689442D+03
34	0.31778982D+02	0.89031842D+01	0.20306411D+02	0.32419429D+03
35	0.31849900D+02	0.88613855D+01	0.20221454D+02	0.32161147D+03
36	0.31918641D+02	0.88212168D+01	0.20139574D+02	0.31913757D+03
37	0.31985329D+02	0.87825704D+01	0.20060578D+02	0.31676500D+03
38	0.32050081D+02	0.87453485D+01	0.19984290D+02	0.31448690D+03
39	0.32113001D+02	0.87094619D+01	0.19910547D+02	0.31229704D+03
40	0.32174189D+02	0.86748292D+01	0.19839201D+02	0.31018975D+03
41	0.32233733D+02	0.86413758D+01	0.19770117D+02	0.30815987D+03
42	0.32291718D+02	0.86090332D+01	0.19703168D+02	0.30620267D+03
43	0.32348220D+02	0.85777386D+01	0.19638241D+02	0.30431382D+03
44	0.32403311D+02	0.85474340D+01	0.19575228D+02	0.30248935D+03
45	0.32457058D+02	0.85180659D+01	0.19514030D+02	0.30072559D+03
46	0.32509524D+02	0.84895849D+01	0.19454555D+02	0.29901918D+03
47	0.32560764D+02	0.84619450D+01	0.19396720D+02	0.29736701D+03
48	0.32610835D+02	0.84351037D+01	0.19340443D+02	0.29576619D+03
49	0.32659787D+02	0.84090215D+01	0.19285653D+02	0.29421404D+03
50	0.32707667D+02	0.83836615D+01	0.19232279D+02	0.29270810D+03

TABLE 1.32: MOMENTS OF THE LARGEST ORDER STATISTIC FROM A SAMPLE OF SIZE n FROM A GAMMA DISTRIBUTION WITH PARAMETER $\alpha=22.0$

n	μ_1'	μ_2	μ_3	μ_4
2	0.24631292D+02	0.17707595D+02	0.35983818D+02	0.10742749D+04
3	0.26038512D+02	0.15732605D+02	0.32728991D+02	0.87166937D+03
4	0.26984756D+02	0.14538087D+02	0.30786184D+02	0.75895544D+03
5	0.27691542D+02	0.13715333D+02	0.29435055D+02	0.68563398D+03
6	0.28252663D+02	0.13103510D+02	0.28414965D+02	0.63338893D+03
7	0.28716286D+02	0.12624908D+02	0.27604148D+02	0.59387244D+03
8	0.29110306D+02	0.12236801D+02	0.26936495D+02	0.56269784D+03
9	0.29452268D+02	0.11913505D+02	0.26372354D+02	0.53732255D+03
10	0.29753901D+02	0.11638523D+02	0.25886192D+02	0.51616305D+03
11	0.30023416D+02	0.11400714D+02	0.25460666D+02	0.49817721D+03
12	0.30266778D+02	0.11192241D+02	0.25083494D+02	0.48264865D+03
13	0.30488452D+02	0.11007411D+02	0.24745684D+02	0.46906720D+03
14	0.30691863D+02	0.10841974D+02	0.24440469D+02	0.45705868D+03
15	0.30879695D+02	0.10692681D+02	0.24162640D+02	0.44634187D+03
16	0.31054086D+02	0.10557005D+02	0.23908105D+02	0.43670084D+03
17	0.31216772D+02	0.10432940D+02	0.23673600D+02	0.42796682D+03
18	0.31369172D+02	0.10318876D+02	0.23456477D+02	0.42000575D+03
19	0.31512470D+02	0.10213501D+02	0.23254568D+02	0.41270963D+03
20	0.31647655D+02	0.10115732D+02	0.23066071D+02	0.40599043D+03
21	0.31775568D+02	0.10024668D+02	0.22889476D+02	0.39977554D+03
22	0.31896927D+02	0.99395545D+01	0.22723507D+02	0.39400451D+03
23	0.32012348D+02	0.98597484D+01	0.22567074D+02	0.38862653D+03
24	0.32122368D+02	0.97847023D+01	0.22419243D+02	0.38359857D+03
25	0.32227453D+02	0.97139452D+01	0.22279205D+02	0.37888392D+03
26	0.32328014D+02	0.96470696D+01	0.22146255D+02	0.37445101D+03
27	0.32424410D+02	0.95837206D+01	0.22019779D+02	0.37027256D+03
28	0.32516963D+02	0.95235875D+01	0.21899233D+02	0.36632486D+03
29	0.32605958D+02	0.94663973D+01	0.21784139D+02	0.36258715D+03
30	0.32691650D+02	0.94119085D+01	0.21674073D+02	0.35904123D+03
31	0.32774268D+02	0.93599068D+01	0.21568654D+02	0.35567101D+03
32	0.32854017D+02	0.93102013D+01	0.21467543D+02	0.35246223D+03
33	0.32931084D+02	0.92626212D+01	0.21370436D+02	0.34940222D+03
34	0.33005638D+02	0.92170132D+01	0.21277058D+02	0.34647964D+03
35	0.33077833D+02	0.91732392D+01	0.21187161D+02	0.34368434D+03
36	0.33147809D+02	0.91311744D+01	0.21100518D+02	0.34100718D+03
37	0.33215694D+02	0.90907059D+01	0.21016926D+02	0.33843993D+03
38	0.33281606D+02	0.90517308D+01	0.20936197D+02	0.33597512D+03
39	0.33345652D+02	0.90141556D+01	0.20858161D+02	0.33360600D+03
40	0.33407933D+02	0.89778949D+01	0.20782660D+02	0.33132641D+03
41	0.33468540D+02	0.89428704D+01	0.20709552D+02	0.32913074D+03
42	0.33527557D+02	0.89090104D+01	0.20638704D+02	0.32701385D+03
43	0.33585065D+02	0.88762488D+01	0.20569993D+02	0.32497106D+03
44	0.33641135D+02	0.88445248D+01	0.20503307D+02	0.32299804D+03
45	0.33695836D+02	0.88137823D+01	0.20438542D+02	0.32109082D+03
46	0.33749231D+02	0.87839695D+01	0.20375601D+02	0.31924574D+03
47	0.33801379D+02	0.87550381D+01	0.20314393D+02	0.31745943D+03
48	0.33852335D+02	0.87269436D+01	0.20254836D+02	0.31572876D+03
49	0.33902151D+02	0.86996445D+01	0.20196850D+02	0.31405083D+03
50	0.33950876D+02	0.86731022D+01	0.20140363D+02	0.31242294D+03

TABLE 1.33: MOMENTS OF THE LARGEST ORDER STATISTIC FROM A SAMPLE OF SIZE n FROM A GAMMA DISTRIBUTION WITH PARAMETER $\alpha=23.0$

n	μ_1'	μ_2	μ_3	μ_4
2	0.25691094D+02	0.18449107D+02	0.37686382D+02	0.11622274D+04
3	0.27128229D+02	0.16365277D+02	0.34294684D+02	0.94013143D+03
4	0.28093876D+02	0.15107719D+02	0.32263087D+02	0.81700003D+03
5	0.28814810D+02	0.14242712D+02	0.30847001D+02	0.73707480D+03
6	0.29386962D+02	0.13600070D+02	0.29776225D+02	0.68021113D+03
7	0.29859572D+02	0.13097709D+02	0.28924192D+02	0.63725100D+03
8	0.30261141D+02	0.12690559D+02	0.28222033D+02	0.60339081D+03
9	0.30609591D+02	0.12351549D+02	0.27628370D+02	0.57585032D+03
10	0.30916898D+02	0.12063309D+02	0.27116519D+02	0.55289989D+03
11	0.31191446D+02	0.11814112D+02	0.26668334D+02	0.53340236D+03
12	0.31439322D+02	0.11595715D+02	0.26270953D+02	0.51657663D+03
13	0.31665084D+02	0.11402133D+02	0.25914949D+02	0.50186681D+03
14	0.31872226D+02	0.11228898D+02	0.25593226D+02	0.48886547D+03
15	0.32063486D+02	0.11072598D+02	0.25300314D+02	0.47726651D+03
16	0.32241046D+02	0.10930578D+02	0.25031920D+02	0.46683509D+03
17	0.32406675D+02	0.10800732D+02	0.24784610D+02	0.45738765D+03
18	0.32561823D+02	0.10681370D+02	0.24555607D+02	0.44877849D+03
19	0.32707694D+02	0.10571114D+02	0.24342626D+02	0.44089029D+03
20	0.32845299D+02	0.10468829D+02	0.24143775D+02	0.43362740D+03
21	0.32975494D+02	0.10373570D+02	0.23957464D+02	0.42691100D+03
22	0.33099012D+02	0.10284543D+02	0.23782351D+02	0.42067545D+03
23	0.33216481D+02	0.10201076D+02	0.23617290D+02	0.41486563D+03
24	0.33328447D+02	0.10122595D+02	0.23461296D+02	0.40943486D+03
25	0.33435387D+02	0.10048605D+02	0.23313517D+02	0.40434328D+03
26	0.33537717D+02	0.99786800D+01	0.23173212D+02	0.39955670D+03
27	0.33635806D+02	0.99124469D+01	0.23039733D+02	0.39504551D+03
28	0.33729981D+02	0.98495807D+01	0.22912508D+02	0.39078402D+03
29	0.33820533D+02	0.97897950D+01	0.22791033D+02	0.38674973D+03
30	0.33907720D+02	0.97328370D+01	0.22674860D+02	0.38292291D+03
31	0.33991776D+02	0.96784822D+01	0.22563590D+02	0.37928613D+03
32	0.34072911D+02	0.96265304D+01	0.22456864D+02	0.37582396D+03
33	0.34151316D+02	0.95768028D+01	0.22354362D+02	0.37252264D+03
34	0.34227161D+02	0.95291388D+01	0.22255794D+02	0.36936992D+03
35	0.34300605D+02	0.94833938D+01	0.22160898D+02	0.36635480D+03
36	0.34371789D+02	0.94394371D+01	0.22069437D+02	0.36346738D+03
37	0.34440844D+02	0.93971504D+01	0.21981193D+02	0.36069875D+03
38	0.34507890D+02	0.93564260D+01	0.21895971D+02	0.35804084D+03
39	0.34573037D+02	0.93171661D+01	0.21813591D+02	0.35548632D+03
40	0.34636387D+02	0.92792812D+01	0.21733886D+02	0.35302854D+03
41	0.34698032D+02	0.92426893D+01	0.21656706D+02	0.35066143D+03
42	0.34758060D+02	0.92073153D+01	0.21581911D+02	0.34837943D+03
43	0.34816550D+02	0.91730902D+01	0.21509372D+02	0.34617746D+03
44	0.34873577D+02	0.91399502D+01	0.21438970D+02	0.34405085D+03
45	0.34929210D+02	0.91078366D+01	0.21370595D+02	0.34199531D+03
46	0.34983514D+02	0.90766952D+01	0.21304145D+02	0.34000688D+03
47	0.35036549D+02	0.90464755D+01	0.21239525D+02	0.33808191D+03
48	0.35088371D+02	0.90171309D+01	0.21176647D+02	0.33621701D+03
49	0.35139032D+02	0.89886179D+01	0.21115427D+02	0.33440905D+03
50	0.35188583D+02	0.89608962D+01	0.21055790D+02	0.33265513D+03

TABLE 1.34: MOMENTS OF THE LARGEST ORDER STATISTIC FROM A SAMPLE OF SIZE n FROM A GAMMA DISTRIBUTION WITH PARAMETER $\alpha=24.0$

n	μ_1'	μ_2	μ_3	μ_4
2	0.26749596D+02	0.19189318D+02	0.39398628D+02	0.12534524D+04
3	0.28215995D+02	0.16996358D+02	0.35871776D+02	0.10109761D+04
4	0.29200624D+02	0.15675659D+02	0.33751711D+02	0.87697983D+03
5	0.29935397D+02	0.14768360D+02	0.32270607D+02	0.79017830D+03
6	0.30518342D+02	0.14094883D+02	0.31148961D+02	0.72851084D+03
7	0.30999743D+02	0.13568759D+02	0.30255489D+02	0.68197205D+03
8	0.31408698D+02	0.13142567D+02	0.29518596D+02	0.64532290D+03
9	0.31763495D+02	0.12787849D+02	0.28895190D+02	0.61553509D+03
10	0.32076354D+02	0.12486357D+02	0.28357441D+02	0.59072670D+03
11	0.32355826D+02	0.12225779D+02	0.27886401D+02	0.56966152D+03
12	0.32608119D+02	0.11997466D+02	0.27468626D+02	0.55149107D+03
13	0.32837881D+02	0.11795140D+02	0.27094257D+02	0.53561189D+03
14	0.33048673D+02	0.11614115D+02	0.26755865D+02	0.52158193D+03
15	0.33243288D+02	0.11450816D+02	0.26447721D+02	0.50906927D+03
16	0.33423949D+02	0.11302458D+02	0.26165326D+02	0.49781933D+03
17	0.33592458D+02	0.11166839D+02	0.25905081D+02	0.48763326D+03
18	0.33750294D+02	0.11042185D+02	0.25664072D+02	0.47835324D+03
19	0.33898683D+02	0.10927055D+02	0.25439903D+02	0.46985224D+03
20	0.34038656D+02	0.10820261D+02	0.25230586D+02	0.46202674D+03
21	0.34171085D+02	0.10720812D+02	0.25034456D+02	0.45479145D+03
22	0.34296715D+02	0.10627879D+02	0.24850100D+02	0.44807537D+03
23	0.34416187D+02	0.10540758D+02	0.24676315D+02	0.44181888D+03
24	0.34530058D+02	0.10458847D+02	0.24512068D+02	0.43597149D+03
25	0.34638812D+02	0.10381630D+02	0.24356463D+02	0.43049014D+03
26	0.34742875D+02	0.10308660D+02	0.24208721D+02	0.42533785D+03
27	0.34842621D+02	0.10239548D+02	0.24068161D+02	0.42048265D+03
28	0.34938383D+02	0.10173954D+02	0.23934182D+02	0.41589677D+03
29	0.35030457D+02	0.10111577D+02	0.23806254D+02	0.41155591D+03
30	0.35119107D+02	0.10052155D+02	0.23683906D+02	0.40743875D+03
31	0.35204572D+02	0.99954511D+01	0.23566718D+02	0.40352649D+03
32	0.35287064D+02	0.99412574D+01	0.23454313D+02	0.39980244D+03
33	0.35366777D+02	0.98893866D+01	0.23346355D+02	0.39625178D+03
34	0.35443886D+02	0.98396707D+01	0.23242537D+02	0.39286126D+03
35	0.35518551D+02	0.97919587D+01	0.23142585D+02	0.38961902D+03
36	0.35590918D+02	0.97461139D+01	0.23046249D+02	0.38651438D+03
37	0.35661118D+02	0.97020128D+01	0.22953301D+02	0.38353772D+03
38	0.35729274D+02	0.96595429D+01	0.22863535D+02	0.38068033D+03
39	0.35795498D+02	0.96186019D+01	0.22776760D+02	0.37793432D+03
40	0.35859894D+02	0.95790962D+01	0.22692802D+02	0.37529250D+03
41	0.35922555D+02	0.95409403D+01	0.22611503D+02	0.37274832D+03
42	0.35983571D+02	0.95040557D+01	0.22532716D+02	0.37029580D+03
43	0.36043024D+02	0.94683702D+01	0.22456304D+02	0.36792946D+03
44	0.36100987D+02	0.94338173D+01	0.22382143D+02	0.36564425D+03
45	0.36157533D+02	0.94003358D+01	0.22310116D+02	0.36343556D+03
46	0.36212727D+02	0.93678688D+01	0.22240117D+02	0.36129912D+03
47	0.36266630D+02	0.93363637D+01	0.22172045D+02	0.35923098D+03
48	0.36319299D+02	0.93057718D+01	0.22105807D+02	0.35722751D+03
49	0.36370788D+02	0.92760478D+01	0.22041316D+02	0.35528532D+03
50	0.36421146D+02	0.92471495D+01	0.21978492D+02	0.35340128D+03

TABLE 1.35: MOMENTS OF THE LARGEST ORDER STATISTIC FROM A SAMPLE OF SIZE n FROM A GAMMA DISTRIBUTION WITH PARAMETER $\alpha=25.0$

n	μ_1'	μ_2	μ_3	μ_4
2	0.27806879D+02	0.19928308D+02	0.41120451D+02	0.13479410D+04
3	0.29301931D+02	0.17625946D+02	0.37460132D+02	0.10841946D+04
4	0.30305147D+02	0.16242012D+02	0.35251916D+02	0.93888665D+03
5	0.31053471D+02	0.15292382D+02	0.33705732D+02	0.84493686D+03
6	0.31646984D+02	0.14588056D+02	0.32533033D+02	0.77828091D+03
7	0.32136995D+02	0.14038167D+02	0.31597903D+02	0.72802888D+03
8	0.32553182D+02	0.13592935D+02	0.30826052D+02	0.68848771D+03
9	0.32914195D+02	0.13222513D+02	0.30172685D+02	0.65637076D+03
10	0.33232491D+02	0.12907775D+02	0.29608831D+02	0.62963762D+03
11	0.33516785D+02	0.12635823D+02	0.29114741D+02	0.60694905D+03
12	0.33773404D+02	0.12397601D+02	0.28676393D+02	0.58738652D+03
13	0.34007082D+02	0.12186537D+02	0.28283490D+02	0.57029715D+03
14	0.34221450D+02	0.11997730D+02	0.27928271D+02	0.55520293D+03
15	0.34419350D+02	0.11827438D+02	0.27604749D+02	0.54174513D+03
16	0.34603047D+02	0.11672751D+02	0.27308215D+02	0.52964870D+03
17	0.34774378D+02	0.11531365D+02	0.27034905D+02	0.51869889D+03
18	0.34934846D+02	0.11401426D+02	0.26781767D+02	0.50872533D+03
19	0.35085702D+02	0.11281429D+02	0.26546295D+02	0.49959093D+03
20	0.35227994D+02	0.11170131D+02	0.26326405D+02	0.49118399D+03
21	0.35362610D+02	0.11066499D+02	0.26120351D+02	0.48341252D+03
22	0.35490309D+02	0.10969665D+02	0.25926655D+02	0.47619996D+03
23	0.35611743D+02	0.10878894D+02	0.25744054D+02	0.46948202D+03
24	0.35727480D+02	0.10793559D+02	0.25571465D+02	0.46320429D+03
25	0.35838011D+02	0.10713120D+02	0.25407949D+02	0.45732037D+03
26	0.35943770D+02	0.10637110D+02	0.25252690D+02	0.45179042D+03
27	0.36045139D+02	0.10565124D+02	0.25104972D+02	0.44657999D+03
28	0.36142456D+02	0.10496806D+02	0.24964165D+02	0.44165916D+03
29	0.36236021D+02	0.10431844D+02	0.24829713D+02	0.43700179D+03
30	0.36326105D+02	0.10369961D+02	0.24701122D+02	0.43258491D+03
31	0.36412948D+02	0.10310913D+02	0.24577951D+02	0.42838828D+03
32	0.36496769D+02	0.10254481D+02	0.24459805D+02	0.42439393D+03
33	0.36577764D+02	0.10200471D+02	0.24346329D+02	0.42058593D+03
34	0.36656112D+02	0.10148707D+02	0.24237204D+02	0.41695000D+03
35	0.36731973D+02	0.10099032D+02	0.24132140D+02	0.41347338D+03
36	0.36805498D+02	0.10051303D+02	0.24030875D+02	0.41014460D+03
37	0.36876820D+02	0.10005391D+02	0.23933171D+02	0.40695329D+03
38	0.36946063D+02	0.99611788D+01	0.23838808D+02	0.40389009D+03
39	0.37013343D+02	0.99185599D+01	0.23747590D+02	0.40094651D+03
40	0.37078763D+02	0.98774367D+01	0.23659332D+02	0.39811483D+03
41	0.37142420D+02	0.98377200D+01	0.23573868D+02	0.39538800D+03
42	0.37204404D+02	0.97993279D+01	0.23491043D+02	0.39275959D+03
43	0.37264798D+02	0.97621851D+01	0.23410715D+02	0.39022369D+03
44	0.37323680D+02	0.97262223D+01	0.23332752D+02	0.38777491D+03
45	0.37381119D+02	0.96913756D+01	0.23257033D+02	0.38540827D+03
46	0.37437185D+02	0.96575858D+01	0.23183444D+02	0.38311918D+03
47	0.37491938D+02	0.96247981D+01	0.23111881D+02	0.38090340D+03
48	0.37545437D+02	0.95929617D+01	0.23042245D+02	0.37875703D+03
49	0.37597736D+02	0.95620293D+01	0.22974447D+02	0.37667642D+03
50	0.37648886D+02	0.95319568D+01	0.22908400D+02	0.37465822D+03