

E	E-127	Range(LOW)	Range(HIGH)	ULP
124	-3	0.125	0.25	0.0000000149011611938477000
125	-2	0.25	0.5	0.0000000298023223876953000
126	-1	0.5	1	0.0000000596046447753906000
127	0	1	2	0.0000001192092895507810000
128	1	2	4	0.0000002384185791015620000
129	2	4	8	0.0000004768371582031250000
130	3	8	16	0.0000009536743164062500000
131	4	16	32	0.0000019073486328125000000
132	5	32	64	0.0000038146972656250000000
133	6	64	128	0.0000076293945312500000000
134	7	128	256	0.0000152587890625000000000
135	8	256	512	0.0000305175781250000000000
136	9	512	1024	0.0000610351562500000000000
137	10	1024	2048	0.0001220703125000000000000
138	11	2048	4096	0.0002441406250000000000000
139	12	4096	8192	0.0004882812500000000000000
140	13	8192	16384	0.0009765625000000000000000
141	14	16384	32768	0.0019531250000000000000000
142	15	32768	65536	0.0039062500000000000000000
143	16	65536	131072	0.0078125000000000000000000
144	17	131072	262144	0.0156250000000000000000000
145	18	262144	524288	0.0312500000000000000000000
146	19	524288	1048576	0.0625000000000000000000000
147	20	1048576	2097152	0.1250000000000000000000000
148	21	2097152	4194304	0.2500000000000000000000000
149	22	4194304	8388608	0.5000000000000000000000000
150	23	8388608	16777216	1.0000000000000000000000000
151	24	16777216	33554432	2.0000000000000000000000000
152	25	33554432	67108864	4.0000000000000000000000000
153	26	67108864	134217728	8.0000000000000000000000000
154	27	134217728	268435456	16.0000000000000000000000000
155	28	268435456	536870912	32.0000000000000000000000000
156	29	536870912	1073741824	64.0000000000000000000000000
157	30	1073741824	2147483648	128.0000000000000000000000000
158	31	2147483648	4294967296	256.0000000000000000000000000
159	32	4294967296	8589934592	512.0000000000000000000000000
160	33	8589934592	17179869184	1024.0000000000000000000000000
161	34	17179869184	34359738368	2048.0000000000000000000000000
162	35	34359738368	68719476736	4096.0000000000000000000000000
163	36	68719476736	1.37439E+11	8192.0000000000000000000000000
164	37	1.37439E+11	2.74878E+11	16384.0000000000000000000000000
165	38	2.74878E+11	5.49756E+11	32768.0000000000000000000000000
166	39	5.49756E+11	1.09951E+12	65536.0000000000000000000000000
167	40	1.09951E+12	2.19902E+12	131072.0000000000000000000000000
168	41	2.19902E+12	4.39805E+12	262144.0000000000000000000000000
169	42	4.39805E+12	8.79609E+12	524288.0000000000000000000000000
170	43	8.79609E+12	1.75922E+13	1048576.0000000000000000000000000
171	44	1.75922E+13	3.51844E+13	2097152.0000000000000000000000000
172	45	3.51844E+13	7.03687E+13	4194304.0000000000000000000000000
173	46	7.03687E+13	1.40737E+14	8388608.0000000000000000000000000
174	47	1.40737E+14	2.81475E+14	16777216.0000000000000000000000000
175	48	2.81475E+14	5.6295E+14	33554432.0000000000000000000000000
176	49	5.6295E+14	1.1259E+15	67108864.0000000000000000000000000
177	50	1.1259E+15	2.2518E+15	134217728.0000000000000000000000000

178	51	2.2518E+15	4.5036E+15	268435456.000000000000000000000000
179	52	4.5036E+15	9.0072E+15	536870912.000000000000000000000000
180	53	9.0072E+15	1.80144E+16	1073741824.000000000000000000000000
181	54	1.80144E+16	3.60288E+16	2147483648.000000000000000000000000
182	55	3.60288E+16	7.20576E+16	4294967296.000000000000000000000000
183	56	7.20576E+16	1.44115E+17	8589934592.000000000000000000000000
184	57	1.44115E+17	2.8823E+17	17179869184.000000000000000000000000
185	58	2.8823E+17	5.76461E+17	34359738368.000000000000000000000000
186	59	5.76461E+17	1.15292E+18	68719476736.000000000000000000000000
187	60	1.15292E+18	2.30584E+18	137438953472.000000000000000000000000
188	61	2.30584E+18	4.61169E+18	274877906944.000000000000000000000000
189	62	4.61169E+18	9.22337E+18	549755813888.000000000000000000000000
190	63	9.22337E+18	1.84467E+19	1099511627776.000000000000000000000000
191	64	1.84467E+19	3.68935E+19	2199023255552.000000000000000000000000
192	65	3.68935E+19	7.3787E+19	4398046511104.000000000000000000000000
193	66	7.3787E+19	1.47574E+20	8796093022208.000000000000000000000000
194	67	1.47574E+20	2.95148E+20	17592186044416.000000000000000000000000
195	68	2.95148E+20	5.90296E+20	35184372088832.000000000000000000000000
196	69	5.90296E+20	1.18059E+21	70368744177664.000000000000000000000000
197	70	1.18059E+21	2.36118E+21	140737488355328.000000000000000000000000
198	71	2.36118E+21	4.72237E+21	281474976710656.000000000000000000000000
199	72	4.72237E+21	9.44473E+21	562949953421312.000000000000000000000000
200	73	9.44473E+21	1.88895E+22	1125899906842620.000000000000000000000000