## Table of Beta distribution.

Critical values x such that  $F(x) = \mathbf{P}\{X \le x\} = p$  for the Beta(a,b) random variable X

											l	<b>b</b>									
$\mid a \mid$	$\mid p \mid$	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1	.2	.2	.11	.07	.05	.04	.04	.03	.03	.02	.02	.02	.02	.02	.02	.01	.01	.01	.01	.01	.01
	.3	.3	.16	.11	.09	.07	.06	.05	.04	.04	.04	.03	.03	.03	.03	.02	.02	.02	.02	.02	.02
	.5	.5	.29	.21	.16	.13	.11	.09	.08	.07	.07	.06	.06	.05	.05	.05	.04	.04	.04	.04	.03
1	.8	.8	.55	.42	.33	.28	.24	.21	.18	.16	.15	.14	.13	.12	.11	.1	.1	.09	.09	.08	.08
	.9	.9	.68	.54	.44	.37	.32	.28	.25	.23	.21	.19	.17	.16	.15	.14	.13	.13	.12	.11	.11
	.2	.45	.29	.21	.17	.14	.12	.1	.09	.08	.08	.07	.06	.06	.06	.05	.05	.05	.04	.04	.04
2	.3	.55	.36	.27	.22	.18	.16	.14	.12	.11	.1	.09	.08	.08	.07	.07	.06	.06	.06	.05	.05
	.5	.71	.5	.39	.31	.26	.23	.2	.18	.16	.15	.14	.13	.12	.11	.1	.1	.09	.09	.08	.08
	.8	.89	.71	.58	.49	.42	.37	.33	.3	.27	.25	.23	.21	.2	.19	.18	.17	.16	.15	.14	.14
	.9	.95	.8	.68	.58	.51	.45	.41	.37	.34	.31	.29	.27	.25	.24	.22	.21	.2	.19	.18	.17
3	.2	.58	.42	.33	.27	.23	.2	.18	.16	.14	.13	.12	.11	.1	.1	.09	.09	.08	.08	.07	.07
	.3	.67	.49	.39	.32	.28	.24	.21	.19	.17	.16	.15	.14	.13	.12	.11	.11	.1	.1	.09	.09
	.5	.79	.61	.5	.42	.36	.32	.29	.26	.24	.22	.2	.19	.17	.16	.15	.15	.14	.13	.13	.12
	.8	.93	.79	.67	.59	.52	.46	.42	.38	.35	.32	.3	.28	.26	.25	.24	.22	.21	.2	.19	.18
	.9	.97	.86	.75	.67	.6	.54	.49	.45	.42	.39	.36	.34	.32	.3	.28	.27	.26	.24	.23	.22
	.2	.67	.51	.41	.35	.3	.27	.24	.22	.2	.18	.17	.16	.15	.14	.13	.12	.12	.11	.11	.1
4	.3	.74	.58	.48	.41	.35	.31	.28	.25	.23	.22	.2	.19	.17	.16	.15	.15	.14	.13	.13	.12
	.5	.84	.69	.58	.5	.44	.39	.36	.32	.3	.28	.26	.24	.22	.21	.2	.19	.18	.17	.16	.16
	.8	.95	.83	.73	.65	.58	.53	.48	.45	.41	.38	.36	.34	.32	.3	.29	.27	.26	.25	.24	.23
	.9	.97	.89	.8	.72	.66	.6	.55	.51	.48	.44	.42	.39	.37	.35	.33	.32	.3	.29	.28	.27
5	.2	.72	.58	.48	.42	.37	.33	.3	.27	.25	.23	.21	.2	.19	.18	.17	.16	.15	.14	.14	.13
	.3	.79	.64	.54	.47	.42	.37	.34	.31	.28	.26	.25	.23	.22	.2	.19	.18	.17	.17	.16	.15
	.5	.87	.74	.64	.56	.5	.45	.41	.38	.35	.33	.3	.29	.27	.25	.24	.23	.22	.21	.2	.19
	.8	.96	.86	.77	.7	.63	.58	.54	.5	.46	.43	.41	.38	.36	.35	.33	.31	.3	.29	.28	.26
	.9	.98	.91	.83	.76	.7	.65	.6	.56	.52	.49	.46	.44	.42	.4	.38	.36	.35	.33	.32	.31
6	.2	.76	.63	.54	.47	.42	.38	.34	.32	.29	.27	.25	.24	.22	.21	.2	.19	.18	.17	.17	.16
	.3	.82	.69	.59	.52	.47	.42	.39	.36	.33	.31	.29	.27	.26	.24	.23	.22	.21	.2	.19	.18
	.5	.89	.77	.68	.61	.55	.5	.46	.43	.4	.37	.35	.33	.31	.29	.28	.27	.25	.24	.23	.22
	.8	.96	.88	.8	.73	.67	.62	.58	.54	.51	.48	.45	.43	.4	.38	.37	.35	.34	.32	.31	.3
	.9	.98	.92	.85	.79	.73	.68	.64	.6	.56	.53	.5	.48	.46	.43	.41	.4	.38	.37	.35	.34
7	.2	.79	.67	.58	.52	.46	.42	.39	.36	.33	.31	.29	.27	.26	.25	.23	.22	.21	.2	.19	.19
	.3	.84	.72	.63	.57	.51	.47	.43	.4	.37	.35	.33	.31	.29	.28	.26	.25	.24	.23	.22	.21
	.5	.91	.8	.71	.64	.59	.54	.5	.47	.43	.41	.38	.36	.34	.33	.31	.3	.29	.27	.26	.25
	.8	.97	.9	.82	.76	.7	.66	.61	.58	.54	.51	.48	.46	.44	.42	.4	.38	.37	.35	.34	.33
	.9	.99	.93	.87	.81	.76	.71	.67	.63	.6	.57	.54	.51	.49	.47	.45	.43	.41	.4	.38	.37
8	.2	.82	.7	.62	.55	.5	.46	.42	.39	.37	.34	.32	.31	.29	.28	.26	.25	.24	.23	.22	.21
	.3	.86	.75	.67	.6	.55	.5	.47	.43	.41	.38	.36	.34	.32	.31	.29	.28	.27	.26	.25	.24
	.5	.92	.82	.74	.68	.62	.57	.53	.5	.47	.44	.42	.4	.38	.36	.34	.33	.32	.3	.29	.28
	.8	.97	.91	.84	.78	.73	.68	.64	.61	.57	.54	.52	.49	.47	.45	.43	.41	.4	.38	.37	.36
	.9	.99	.94	.88	.83	.78	.74	.7	.66	.62	.59	.57	.54	.52	.5	.48	.46	.44	.43	.41	.4
9	.2	.84	.73	.65	.59	.54	.49	.46	.43	.4	.38	.36	.34	.32	.3	.29	.28	.27	.26	.25	.24
	.3	.87	.77	.69	.63	.58	.54	.5	.47	.44	.41	.39	.37	.35	.34	.32	.31	.29	.28	.27	.26
	.5	.93	.84	.76	.7	.65	.6	.57	.53	.5	.47	.45	.43	.41	.39	.37	.36	.34	.33	.32	.31
	.8	.98	.92	.86	.8	.75	.71	.67	.63	.6	.57	.54	.52	.5	.48	.46	.44	.42	.41	.39	.38
	.9	.99	.95	.9	.85	.8	.76	.72	.68	.65	.62	.59	.57	.54	.52	.5	.48	.47	.45	.44	.42
10	.2	.85	.75	.68	.62	.57	.52	.49	.46	.43	.41	.38	.36	.35	.33	.32	.3	.29	.28	.27	.26
	.3	.89	.79	.72	.66	.61	.56	.53	.5	.47	.44	.42	.4	.38	.36	.35	.33	.32	.31	.3	.29
	.5	.93	.85	.78	.72	.67	.63	.59	.56	.53	.5	.48	.45	.43	.41	.4	.38	.37	.35	.34	.33
	.8	.98	.92	.87	.82	.77	.73	.69	.66	.62	.59	.57	.54	.52	.5	.48	.46	.45	.43	.42	.4
	.9	.99	.95	.9	.86	.81	.77	.74	.7	.67	.64	.62	.59	.57	.55	.53	.51	.49	.47	.46	.45