

SHIRASAKA

1960

unit: mm/day

annual precipitation: 1688.5

annual runoff: 901.5

901.5

day	January		February		March		April		May		June		July		August		September		October		November		December	
	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff
1	28.0	2.4	0.0	1.0	0.0	0.7	19.8	1.6	13.8	1.9	0.0	3.2	0.0	2.6	0.0	1.6	0.0	2.6	0.0	1.6	0.3	2.6	5.9	2.2
2	0.0	1.9	0.0	1.0	0.2	0.7	0.0	1.2	0.0	1.6	1.1	2.8	25.9	3.4	0.0	1.5	2.9	2.4	0.0	1.6	0.0	2.0	0.0	2.0
3	0.0	1.6	0.0	1.0	0.0	0.7	0.0	1.1	1.8	1.5	6.8	3.0	28.1	7.2	0.0	1.4	4.0	2.3	0.0	1.5	0.3	1.8	0.0	1.8
4	0.0	1.3	0.0	1.0	0.0	0.8	1.2	1.0	0.0	1.3	5.0	2.7	0.7	4.0	0.0	1.3	0.0	2.2	0.0	1.5	0.0	1.5	0.0	1.8
5	0.0	1.3	1.0	1.0	0.0	0.7	6.7	1.1	27.8	2.5	14.5	3.7	14.6	4.3	1.8	1.4	0.9	2.0	0.0	1.5	2.5	1.5	3.1	1.8
6	0.8	1.3	0.0	0.9	0.0	0.7	0.0	1.0	0.1	2.4	0.0	2.9	0.0	3.5	1.7	1.3	9.9	2.5	0.0	1.4	0.0	1.4	0.0	1.7
7	0.3	1.5	0.0	0.9	0.0	0.7	0.0	0.9	3.0	2.0	0.0	2.5	0.0	3.0	0.0	1.2	3.7	2.1	1.4	1.4	0.0	1.3	0.0	1.6
8	0.0	1.4	0.0	0.9	0.0	0.7	0.0	0.8	0.1	1.7	0.0	2.4	23.6	3.4	0.0	1.2	51.7	9.5	24.2	2.5	0.0	1.3	0.0	1.5
9	0.0	1.3	6.7	1.0	1.0	0.7	0.0	0.8	0.0	1.5	0.0	2.2	47.0	15.9	0.0	1.2	2.4	4.5	0.0	1.8	0.0	1.2	0.0	1.5
10	0.0	1.3	0.5	1.0	0.1	0.7	0.3	0.8	23.3	2.1	0.0	2.1	1.7	7.4	5.7	1.2	0.0	3.2	12.3	1.8	1.4	1.2	0.3	1.5
11	6.3	1.4	0.0	0.9	2.0	0.7	28.0	1.8	15.6	3.3	0.0	2.0	5.0	6.0	67.8	3.3	0.1	2.6	0.5	1.8	0.0	1.2	0.0	1.4
12	0.1	1.3	0.0	0.9	0.1	0.7	0.0	1.4	0.0	2.9	0.0	2.0	0.0	4.8	32.1	12.4	8.1	2.6	0.0	1.5	0.0	1.1	0.0	1.4
13	0.0	1.2	0.0	0.9	0.0	0.7	0.7	1.2	0.0	2.3	0.0	1.8	1.9	4.2	81.9	17.9	2.8	2.6	0.0	1.4	9.5	1.3	12.4	1.9
14	0.0	1.2	0.1	0.9	0.0	0.6	32.4	2.3	9.7	2.0	0.3	1.8	0.0	3.9	78.2	44.4	3.0	2.4	0.0	1.3	0.0	1.3	0.0	1.5
15	0.0	1.2	0.3	0.8	0.0	0.6	0.0	3.0	51.8	10.8	0.0	1.8	1.3	3.4	22.5	16.9	0.0	2.2	0.0	1.3	0.0	1.1	0.0	1.4
16	0.0	1.2	0.0	0.8	0.0	0.6	0.0	1.9	3.8	6.3	1.5	1.8	0.0	3.2	0.0	9.4	5.3	2.2	0.0	1.3	0.0	1.1	0.0	1.4
17	10.8	2.2	0.1	0.8	0.0	0.6	0.0	1.6	0.0	4.6	7.1	2.0	0.0	3.0	0.0	6.8	0.0	2.1	13.7	1.5	0.0	1.0	0.0	1.3
18	0.0	1.5	10.8	1.1	0.0	0.6	0.0	1.4	0.0	3.6	0.0	1.7	0.3	2.9	0.0	5.3	0.8	2.0	15.5	3.0	12.4	1.3	0.0	1.3
19	0.0	1.4	0.0	0.9	0.0	0.6	0.0	1.3	22.1	3.2	0.0	1.6	0.0	2.7	0.0	4.6	13.1	2.9	0.0	1.7	0.0	1.3	0.0	1.3
20	0.0	1.3	0.0	0.9	0.0	0.6	1.0	1.2	46.6	15.9	3.7	1.7	0.0	2.5	0.0	4.0	34.3	5.1	0.0	1.5	0.0	1.1	0.0	1.2
21	0.0	1.3	0.0	0.9	32.3	0.9	21.6	2.2	13.2	10.2	0.0	1.6	0.0	2.3	0.0	3.7	0.1	4.0	0.0	1.4	0.0	1.0	0.0	1.2
22	0.0	1.2	0.0	0.8	18.5	4.0	0.0	1.5	0.0	6.8	80.1	8.9	0.0	2.2	0.0	3.3	0.0	3.0	0.0	1.3	0.0	1.0	0.0	1.2
23	0.1	1.2	0.0	0.8	0.2	1.5	0.0	1.3	0.0	5.3	32.2	19.3	0.0	2.1	0.0	3.0	0.0	2.5	0.0	1.3	85.9	14.8	0.0	1.2
24	0.0	1.1	0.0	0.8	0.7	1.2	0.0	1.2	0.0	4.5	0.0	7.0	0.0	2.0	0.0	2.8	0.0	2.3	0.0	1.2	0.3	6.8	0.0	1.1
25	0.0	1.1	0.0	0.8	0.0	1.0	4.5	1.2	0.0	3.8	8.5	5.1	0.8	1.9	0.0	2.7	3.5	2.2	0.0	1.2	2.6	3.7	5.0	1.3
26	0.0	1.1	0.0	0.8	4.5	1.0	15.7	1.9	0.0	3.5	0.2	4.4	10.4	2.2	0.0	2.5	0.1	2.1	0.0	1.1	2.3	3.0	14.0	1.9
27	0.4	1.1	0.1	0.8	12.0	1.5	0.0	1.5	0.0	3.1	0.0	3.6	12.2	3.1	0.0	2.4	1.3	1.8	0.7	1.1	10.2	3.3	0.0	1.3
28	0.2	1.1	0.0	0.8	0.0	1.0	8.9	1.6	17.4	3.5	2.1	3.4	0.0	2.0	8.0	2.6	8.1	2.1	1.8	1.1	0.0	2.4	0.0	1.3
29	0.7	1.0	0.0	0.7	0.0	1.0	0.0	1.5	18.0	4.0	0.0	3.0	0.0	1.8	0.0	2.2	0.1	1.9	0.0	1.1	0.3	2.5	1.1	1.2
30	0.2	1.0			0.0	0.9	0.0	1.4	12.5	6.0	0.0	2.8	0.0	1.8	29.8	3.2	0.0	1.7	32.8	1.8	0.0	2.2	0.0	1.2
31	0.0	1.0			0.0	0.9			0.0	3.7			0.0	1.6	9.0	2.3			24.0	4.5			0.0	1.1
total	47.9	41.4	19.6	25.8	71.6	28.3	140.8	42.7	280.6	127.8	163.1	104.8	173.5	114.3	338.5	169.0	156.2	83.6	126.9	50.0	128.0	68.3	41.8	45.5

SHIRASAKA

1961

unit: mm/day

annual precipitation: 1915.0

annual runoff: 1135.1

1135.1

day	January		February		March		April		May		June		July		August		September		October		November		December	
	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff
1	0.0	1.0	0.0	1.0	0.0	0.9	0.0	1.2	0.0	1.9	1.1	2.2	0.3	26.9	15.8	2.8	0.0	0.9	0.0	0.7	0.0	1.0	0.8	1.0
2	0.5	1.1	0.1	1.0	0.0	0.9	0.0	1.1	0.0	1.8	0.0	2.0	4.9	19.7	3.5	2.7	0.0	0.9	0.1	0.7	0.0	1.0	4.1	1.1
3	0.0	1.1	0.0	1.0	2.5	0.9	1.6	1.1	0.0	1.8	0.0	1.9	0.1	14.4	22.3	4.2	0.0	0.9	0.5	0.7	0.2	0.9	0.0	1.0
4	29.0	1.7	0.1	1.0	23.7	1.9	0.0	1.1	28.4	2.7	0.0	1.8	7.6	11.2	5.2	3.1	0.0	0.8	0.0	0.7	2.0	0.9	0.2	0.9
5	0.0	2.4	0.0	1.0	3.4	1.6	29.5	1.6	18.2	4.4	3.8	1.9	7.8	10.4	0.1	2.7	11.0	1.2	1.5	0.7	0.0	0.9	0.0	0.9
6	0.0	1.6	15.2	1.1	0.0	1.3	0.0	2.3	0.0	3.1	0.6	1.9	5.3	9.5	23.1	3.9	0.0	0.9	0.0	0.7	0.0	0.8	0.0	0.9
7	1.2	1.4	18.3	1.6	0.0	1.2	0.0	1.5	0.0	2.5	0.0	1.7	1.5	8.0	0.0	2.9	0.0	0.9	51.8	4.4	0.3	0.9	1.5	0.9
8	0.0	1.3	3.7	2.4	0.0	1.1	0.0	1.3	3.4	2.3	0.0	1.6	0.0	6.9	0.0	2.4	0.0	0.8	2.8	4.9	0.0	0.8	0.2	0.8
9	7.4	1.3	1.3	1.6	0.0	1.1	45.2	4.9	0.0	2.2	18.9	1.9	0.0	6.0	0.5	2.2	0.2	0.8	0.0	1.6	0.2	0.8	0.0	0.8
10	8.0	1.8	0.0	1.4	0.0	1.0	0.0	3.9	0.0	2.0	50.9	9.2	0.4	5.4	7.3	2.4	0.0	0.8	34.4	3.0	0.0	0.8	0.2	0.8
11	5.4	2.0	0.0	1.3	0.0	1.0	0.0	2.6	1.8	1.9	0.0	4.8	4.4	5.3	0.0	2.2	4.2	0.8	0.0	2.6	0.0	0.7	0.1	0.8
12	0.0	1.6	0.0	1.3	0.0	1.0	0.6	2.1	39.5	3.3	0.0	3.1	23.6	6.3	0.0	2.0	0.0	0.7	0.0	1.7	0.0	0.7	0.0	0.8
13	0.0	1.4	1.0	1.2	0.0	1.0	13.7	2.5	21.4	9.0	0.0	2.5	33.2	9.5	0.0	1.8	0.0	0.7	0.0	1.5	0.0	0.7	0.1	0.8
14	0.0	1.4	0.0	1.2	16.6	1.4	0.0	2.1	0.0	5.1	0.0	2.3	0.0	6.4	0.0	1.8	2.0	0.7	0.0	1.2	0.0	0.7	0.4	0.8
15	0.0	1.3	1.5	1.1	0.0	1.3	33.6	2.8	0.0	3.8	13.4	2.7	0.0	5.2	0.0	1.7	40.8	2.3	0.0	1.1	0.0	0.7	0.0	0.7
16	0.0	1.3	3.9	1.2	1.7	1.1	18.3	10.7	0.0	3.3	0.0	2.2	0.0	4.5	0.0	1.7	21.7	2.4	0.0	1.0	0.0	0.7	0.0	0.7
17	0.0	1.2	0.2	1.1	1.2	1.1	0.0	4.7	5.8	3.0	48.5	4.7	0.0	4.1	0.0	1.6	36.3	4.0	0.0	1.0	0.0	0.7	0.1	0.7
18	0.0	1.2	0.0	1.1	0.0	1.0	0.0	3.5	0.0	2.7	1.4	8.2	0.0	3.7	3.0	1.6	0.0	1.8	0.0	0.9	17.4	1.0	20.8	1.4
19	0.0	1.2	0.1	1.1	0.0	1.0	0.0	3.0	26.6	3.6	0.0	4.0	0.0	3.5	0.0	1.5	0.0	1.2	14.6	1.4	8.9	1.5	0.1	1.0
20	0.0	1.1	0.0	1.1	9.2	1.0	0.0	2.7	0.0	3.6	0.0	3.2	0.0	3.3	0.3	1.4	0.0	1.1	1.3	1.3	0.2	0.9	0.0	0.9
21	0.0	1.1	0.0	1.0	0.0	1.0	0.0	2.4	7.0	3.3	0.0	2.8	0.0	3.1	0.3	1.4	0.0	1.0	13.0	1.3	0.0	0.8	0.0	0.9
22	0.1	1.1	0.0	1.1	0.0	0.9	8.1	2.4	5.2	3.2	0.1	2.6	0.0	3.0	0.0	1.4	0.0	1.0	13.8	1.9	49.8	4.2	1.6	0.8
23	0.6	1.1	0.0	1.0	0.0	0.9	0.4	2.3	0.0	2.7	0.0	2.4	0.0	2.8	0.0	1.3	0.2	0.9	14.4	2.0	0.1	3.8	0.1	0.8
24	0.0	1.1	0.0	1.0	0.6	1.3	0.0	2.1	19.1	3.0	4.5	2.3	1.5	2.7	0.0	1.2	0.2	0.9	5.9	3.2	0.7	1.8	0.0	0.8
25	18.2	1.4	0.0	1.0	0.0	1.1	0.0	1.9	3.8	4.0	34.4	3.4	39.8	6.1	0.0	1.2	0.4	0.9	0.0	1.8	0.0	1.5	0.6	0.8
26	1.9	1.5	0.0	0.9	1.0	1.0	0.0	1.8	0.0	3.0	49.3	7.3	0.0	3.2	0.2	1.1	0.0	0.8	0.0	1.5	0.0	1.4	0.0	0.7
27	0.8	1.3	0.0	0.9	36.1	2.1	37.2	3.3	0.0	2.7	154.0	52.8	0.0	2.7	0.0	1.1	0.0	0.8	0.0	1.3	0.0	1.2	0.0	0.7
28	0.0	1.2	0.0	0.9	0.6	2.0	0.0	3.0	0.0	2.4	237.5	210.4	0.0	2.5	0.0	1.1	0.8	0.8	0.4	1.3	0.0	1.1	0.0	0.7
29	0.0	1.1			0.0	1.6	0.0	2.3	9.1	2.5	42.1	49.8	0.0	2.4	0.0	1.1	0.1	0.8	0.2	1.1	3.5	1.1	0.0	0.7
30	0.1	1.1			0.0	1.4	0.8	2.1	5.1	2.7	40.1	42.4	16.3	3.3	0.0	1.0	0.0	0.9	0.0	1.1	0.0	1.0	0.0	0.7
31	0.0	1.1			0.0	1.3			0.0	2.2			0.0	2.4	0.0	1.0			0.7	1.0			0.0	0.7
total	73.2	41.5	45.4	32.6	96.6	37.4	189.0	80.3	194.4	95.7	700.6	440.0	146.7	204.4	81.6	59.5	117.9	33.4	155.4	49.3	83.3	35.0	30.9	26.0

SHIRASAKA

1962

unit: mm/day

annual precipitation: 1667.6

annual runoff:

902.0

day	January		February		March		April		May		June		July		August		September		October		November		December	
	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff
1	0.0	0.7	0.0	0.6	0.0	0.5	0.0	0.5	0.0	1.0	0.0	1.5	9.3	3.3	0.0	4.6	0.0	1.2	0.0	0.6	0.0	1.0	0.0	0.8
2	27.5	1.3	0.0	0.6	1.3	0.5	0.0	0.4	0.5	1.1	0.0	1.4	28.0	4.1	0.0	4.1	0.0	1.1	0.0	0.6	0.0	0.9	0.2	0.8
3	1.2	1.2	0.0	0.6	0.0	0.5	9.6	0.5	0.0	1.0	4.7	1.4	32.1	12.0	0.1	3.7	0.0	1.1	0.0	0.6	1.7	0.9	0.1	0.7
4	0.0	1.0	0.0	0.5	0.0	0.5	63.6	6.5	0.0	1.0	70.0	5.6	11.6	7.2	1.8	3.6	0.0	1.1	6.2	0.7	30.5	3.0	0.0	0.7
5	0.2	0.9	0.0	0.5	0.0	0.5	0.0	1.9	57.3	4.0	10.2	11.1	92.9	40.4	0.0	2.7	28.6	2.7	22.6	1.5	0.0	1.8	10.7	0.8
6	0.2	0.9	0.2	0.5	1.6	0.5	0.0	1.3	1.9	4.7	0.0	4.5	18.4	23.0	0.0	3.0	0.0	1.4	0.0	1.1	0.0	1.3	0.2	0.9
7	0.0	0.8	0.3	0.6	2.4	0.5	0.8	1.1	0.0	2.4	0.0	3.2	2.0	14.6	0.0	2.8	0.0	1.2	0.0	0.8	0.1	1.2	0.0	0.8
8	0.0	0.8	0.0	0.5	4.3	0.6	0.0	1.0	0.0	1.9	75.6	20.6	0.0	10.2	0.0	2.6	1.2	1.1	0.0	0.7	0.0	1.1	0.0	0.7
9	0.0	0.8	7.6	0.6	0.0	0.5	0.1	0.9	0.0	1.6	0.3	10.0	0.0	8.3	0.0	2.4	4.9	1.3	0.0	0.7	0.0	1.0	0.0	0.7
10	0.3	0.8	0.0	0.7	2.3	0.5	35.0	1.7	23.5	2.8	48.8	9.5	5.8	7.2	4.3	2.4	0.0	1.1	0.0	0.6	0.0	1.0	0.0	0.7
11	0.0	0.8	1.0	0.6	0.0	0.5	0.4	2.8	0.0	2.0	24.2	25.2	0.0	6.6	0.0	2.2	0.0	1.0	18.7	0.7	0.0	0.9	0.0	0.7
12	0.3	0.7	0.0	0.6	0.0	0.4	0.0	1.5	14.2	2.0	9.1	11.9	0.4	5.9	0.0	2.1	0.0	0.9	88.7	17.2	0.0	0.9	0.0	0.7
13	0.0	0.7	0.0	0.5	0.0	0.4	4.7	1.3	15.9	4.4	17.5	9.6	0.0	5.4	0.3	2.0	0.0	0.9	0.0	3.9	0.0	0.9	0.0	0.6
14	0.1	0.7	0.0	0.5	0.0	0.4	45.8	6.0	0.0	2.8	39.8	18.3	2.7	5.0	0.5	2.0	0.0	0.9	6.2	2.2	0.0	0.8	0.0	0.6
15	0.0	0.7	0.0	0.5	7.0	0.5	0.0	4.3	43.3	4.8	17.2	19.0	0.0	4.5	0.0	1.9	1.2	1.0	0.4	1.9	0.0	0.8	27.6	1.8
16	0.0	0.7	0.1	0.5	15.3	1.1	0.1	2.5	16.5	11.1	0.0	13.0	0.5	4.1	0.0	1.8	0.0	0.9	0.0	1.5	9.1	1.0	0.0	1.3
17	0.0	0.7	0.5	0.5	0.8	0.6	0.4	2.0	0.0	5.4	0.0	9.2	0.0	3.8	0.0	1.7	0.0	0.8	0.0	1.3	5.5	1.2	0.0	0.9
18	0.0	0.7	0.0	0.5	0.0	0.5	7.4	1.7	0.1	4.1	0.0	7.3	13.2	4.2	0.0	1.7	0.3	0.8	0.0	1.2	0.0	0.9	0.0	0.9
19	2.0	0.7	0.4	0.5	0.0	0.5	37.0	7.2	0.0	3.4	0.0	6.3	5.2	4.8	4.5	1.6	3.8	1.0	0.0	1.1	0.0	0.9	0.0	0.8
20	0.0	0.7	0.4	0.5	0.0	0.5	0.0	3.5	0.0	2.9	0.0	5.3	4.5	3.9	0.0	1.5	0.0	0.8	0.2	1.1	0.0	0.8	0.4	0.8
21	0.0	0.7	0.0	0.5	4.9	0.6	0.0	2.5	0.0	2.6	0.0	4.7	0.0	3.4	0.0	1.4	0.0	0.8	0.0	1.0	3.5	0.9	0.0	0.8
22	0.0	0.6	0.0	0.5	2.7	0.5	0.3	2.1	0.0	2.3	5.8	4.6	0.0	3.2	0.0	1.4	0.1	0.8	0.0	0.9	0.0	0.8	0.0	0.8
23	0.0	0.6	0.0	0.5	0.0	0.5	0.0	1.8	0.0	2.1	12.8	5.2	0.0	2.9	3.4	1.3	0.0	0.7	0.0	0.9	0.0	0.8	0.0	0.7
24	0.0	0.6	0.0	0.5	0.0	0.5	0.0	1.7	2.1	2.0	0.0	4.1	0.0	2.8	0.0	1.3	9.1	1.0	0.0	0.9	0.0	0.8	0.3	0.7
25	0.0	0.6	0.0	0.5	0.0	0.5	0.0	1.5	1.6	1.9	0.0	3.7	0.0	2.6	0.2	1.3	0.0	0.8	0.0	0.8	0.0	0.7	0.4	0.7
26	0.1	0.6	0.5	0.5	0.0	0.5	1.6	1.5	0.0	1.8	31.7	6.0	0.0	2.5	46.5	2.0	0.0	0.7	0.0	0.8	0.0	0.7	0.0	0.7
27	0.0	0.6	0.0	0.5	5.7	0.6	7.1	1.6	0.0	1.6	0.0	4.7	0.0	2.3	4.8	3.4	0.0	0.7	0.0	0.8	14.3	1.2	0.0	0.7
28	0.4	0.6	0.0	0.5	0.0	0.5	0.0	1.3	28.4	3.0	0.0	3.9	138.8	21.4	0.0	1.7	0.0	0.6	18.2	0.9	0.1	0.9	0.0	0.7
29	0.3	0.6			0.0	0.5	0.0	1.2	0.0	2.1	0.0	3.3	5.5	20.4	0.0	1.5	0.0	0.6	19.6	2.2	1.7	0.9	3.2	0.7
30	0.5	0.6			0.0	0.5	0.0	1.1	0.0	1.8	0.7	3.2	0.0	7.5	0.0	1.4	1.1	0.7	1.8	1.5	0.0	0.8	7.5	0.7
31	0.0	0.6			0.0	0.4			0.0	1.6			0.0	5.6	0.0	1.3			0.0	1.1			0.3	0.9
total	33.1	23.0	11.0	14.9	48.3	16.1	213.9	64.9	205.3	87.2	368.4	237.3	370.9	253.1	66.4	68.4	50.3	29.7	182.6	51.8	66.5	30.8	50.9	24.8

SHIRASAKA

1963

unit: mm/day

annual precipitation: 1666.7

annual runoff: 917.3

917.3

day	January		February		March		April		May		June		July		August		September		October		November		December	
	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff
1	0.0	0.7	0.0	0.5	0.0	0.6	0.0	1.1	32.6	2.7	0.2	4.6	15.5	3.5	0.6	1.4	4.5	2.0	5.1	1.8	0.0	0.9	0.0	0.7
2	0.0	0.7	0.0	0.5	0.0	0.6	1.7	1.0	18.7	7.3	0.2	4.1	1.7	2.8	0.0	1.3	0.0	1.6	7.4	1.9	0.0	0.9	0.0	0.7
3	0.3	0.7	0.0	0.5	0.0	0.6	0.0	0.9	0.0	3.8	25.8	4.7	18.7	3.8	0.0	1.3	3.1	1.7	0.0	1.5	0.0	0.8	6.4	0.8
4	0.5	0.7	1.6	0.5	0.1	0.6	0.0	0.8	0.0	3.0	42.3	12.4	0.0	2.7	12.6	1.5	0.0	1.5	0.0	1.4	0.0	0.8	3.7	1.0
5	0.1	0.6	0.0	0.5	0.0	0.5	0.0	0.8	4.1	2.6	5.5	10.9	0.0	2.5	0.0	1.3	0.0	1.4	0.0	1.3	6.4	0.9	2.3	0.9
6	6.2	0.7	0.0	0.5	0.0	0.5	0.0	0.8	11.6	2.8	25.0	8.5	2.5	2.5	0.0	1.2	0.0	1.3	0.0	1.2	3.4	1.1	0.0	0.8
7	2.5	0.6	0.0	0.5	0.0	0.5	0.4	0.8	12.4	3.6	61.8	28.0	0.0	2.4	0.0	1.1	0.9	1.3	0.0	1.2	5.8	1.0	0.0	0.7
8	0.2	0.7	0.0	0.5	0.0	0.5	24.6	1.2	0.0	2.9	9.8	19.8	14.0	3.1	0.0	1.1	0.0	1.3	0.0	1.1	3.1	1.1	0.0	0.7
9	0.0	0.6	14.8	0.7	0.0	0.5	72.3	14.6	10.8	2.8	0.0	14.5	5.2	2.5	0.0	1.0	0.3	1.2	0.0	1.1	0.0	0.9	0.0	0.7
10	0.0	0.6	0.0	0.7	11.0	0.6	0.0	5.8	16.5	3.8	0.0	10.4	0.0	2.4	6.6	1.1	8.0	1.4	43.8	2.8	0.0	0.8	0.0	0.7
11	0.0	0.6	0.0	0.6	8.4	1.0	0.0	3.3	4.6	3.6	0.0	8.7	21.1	2.8	37.0	3.3	1.7	1.3	0.0	2.4	0.0	0.8	2.0	0.7
12	0.2	0.6	4.2	0.6	0.0	0.7	0.0	2.5	31.8	6.0	5.2	7.5	45.4	11.2	37.5	5.5	1.5	1.2	0.0	1.6	0.0	0.8	0.0	0.7
13	0.9	0.6	0.0	0.5	15.3	0.9	0.0	2.1	0.2	6.4	6.3	7.2	0.0	5.6	0.2	3.5	0.0	1.2	0.0	1.4	0.0	0.8	0.0	0.8
14	1.0	0.6	0.0	0.5	0.0	1.0	0.0	1.8	0.5	4.7	46.7	10.3	0.0	3.9	0.0	2.0	3.1	1.3	0.0	1.3	0.0	0.8	0.0	0.7
15	0.0	0.6	0.0	0.5	0.0	0.8	0.0	1.6	29.0	4.5	2.9	11.9	0.0	3.3	0.0	1.7	0.0	1.1	1.6	1.2	0.0	0.7	0.0	0.7
16	0.0	0.5	0.0	0.5	10.0	0.9	24.3	2.2	4.9	8.2	0.1	8.5	0.0	2.9	0.6	1.6	1.4	1.1	0.4	1.3	3.2	0.8	0.0	0.7
17	0.4	0.5	0.0	0.5	8.3	1.6	28.7	4.5	97.1	33.7	1.0	7.3	0.0	2.6	1.7	1.4	10.7	1.6	10.4	1.3	0.0	0.7	0.0	0.7
18	0.0	0.6	0.0	0.5	0.0	1.1	0.6	4.2	43.9	39.2	0.5	6.4	0.0	2.4	6.0	1.7	0.0	1.1	3.3	1.6	0.0	0.7	0.0	0.7
19	0.1	0.6	0.0	0.5	0.0	1.0	9.3	3.2	0.0	19.5	0.0	5.7	0.0	2.2	49.0	4.3	0.0	1.0	0.0	1.2	0.0	0.7	0.0	0.6
20	3.0	0.6	0.0	0.5	0.0	0.8	0.3	2.9	12.3	12.3	0.0	5.2	0.3	2.1	0.0	4.7	0.0	1.0	0.0	1.1	5.8	0.8	0.0	0.6
21	1.2	0.6	0.0	0.5	0.0	0.8	0.0	2.4	8.2	9.8	16.0	5.3	0.0	2.0	0.0	2.4	6.2	0.9	0.0	1.1	0.2	0.8	0.0	0.6
22	0.0	0.5	0.0	0.5	0.0	0.7	0.0	2.2	5.9	9.2	4.9	5.6	0.0	1.9	0.0	2.0	1.8	1.2	0.1	1.0	0.0	0.7	0.0	0.6
23	0.0	0.5	0.0	0.5	0.0	0.7	7.4	2.2	11.4	9.3	0.0	4.6	2.3	1.9	0.0	1.8	0.0	1.0	0.0	1.0	0.2	0.7	0.0	0.6
24	0.0	0.5	0.0	0.5	10.3	0.8	19.9	3.0	0.7	7.4	1.7	4.2	14.0	2.4	0.0	1.6	0.0	0.9	0.0	1.0	0.0	0.7	0.3	0.6
25	0.0	0.5	2.4	0.5	5.2	1.1	0.0	2.8	0.0	6.2	0.0	3.9	8.7	2.3	32.7	4.7	10.6	0.9	0.0	1.0	0.9	0.7	7.4	0.8
26	0.0	0.5	0.0	0.5	0.0	0.8	0.0	2.4	0.0	5.0	0.6	3.6	0.0	1.9	5.3	2.6	81.4	12.0	9.9	1.0	26.4	1.7	0.0	0.8
27	0.0	0.5	7.1	0.5	0.0	0.7	0.0	2.0	0.4	5.0	0.1	3.4	0.0	1.7	0.0	2.0	0.0	3.8	4.8	1.4	1.7	1.1	0.0	0.7
28	0.0	0.5	6.2	0.5	0.0	0.7	0.0	1.9	21.0	5.3	0.0	3.1	0.0	1.6	0.0	1.8	0.0	2.6	0.7	1.1	0.0	0.9	0.1	0.6
29	0.0	0.5			33.5	1.2	0.0	1.8	4.4	5.9	0.3	3.0	0.0	1.5	14.2	2.3	0.0	2.1	0.0	1.0	0.0	0.8	0.0	0.6
30	0.0	0.5			1.3	2.7	0.0	1.7	8.9	5.1	0.5	2.8	0.0	1.5	0.0	1.9	0.0	1.9	0.0	0.9	0.0	0.8	1.8	0.6
31	2.0	0.6			0.0	1.4			4.9	4.9			0.0	1.4	7.5	1.8			0.0	0.9			0.0	0.6
total	18.6	18.1	36.3	14.6	103.4	26.9	189.5	78.5	396.8	246.5	257.4	236.1	149.4	87.3	211.5	66.9	135.2	53.9	87.5	41.1	57.1	25.7	24.0	21.7

SHIRASAKA

1964

unit: mm/day

annual precipitation: 1529.5

annual runoff: 660.5

660.5

day	January		February		March		April		May		June		July		August		September		October		November		December	
	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff
1	0.0	0.6	9.4	1.4	0.0	0.9	0.8	1.3	0.0	2.2	0.0	0.9	0.0	2.3	0.0	1.6	0.0	1.0	0.0	2.9	0.0	1.4	0.8	1.0
2	0.0	0.6	0.1	1.1	0.3	0.9	15.4	1.9	16.0	2.8	0.0	0.9	0.0	2.0	0.0	1.5	0.0	0.9	0.0	2.4	9.9	1.7	0.0	0.9
3	0.0	0.6	0.0	1.0	0.0	0.9	0.0	1.5	0.0	2.3	8.5	0.9	0.0	1.8	0.1	1.5	6.0	1.1	0.0	2.1	0.0	1.5	0.0	0.9
4	0.0	0.6	0.0	0.9	3.4	0.9	3.6	1.5	0.0	2.1	2.0	1.1	0.0	1.6	45.0	5.1	0.0	1.0	0.0	1.8	0.2	1.3	0.0	0.9
5	0.0	0.6	0.0	0.9	9.5	1.2	5.5	1.7	0.3	2.0	0.0	0.9	0.0	1.4	3.6	2.4	0.4	0.9	0.1	1.8	1.3	1.5	0.0	0.9
6	0.0	0.5	0.0	0.8	0.0	1.0	0.0	1.4	3.8	2.1	3.0	0.8	0.0	1.4	0.0	1.9	7.4	1.1	1.9	1.7	6.0	1.5	0.0	0.9
7	0.0	0.5	11.5	1.0	0.0	0.9	0.0	1.4	0.0	1.9	0.0	0.9	0.0	1.2	0.0	1.7	0.0	0.9	5.0	1.8	0.0	1.3	0.2	0.9
8	0.0	0.5	0.1	1.1	14.7	1.5	18.9	1.8	0.0	1.7	0.0	0.8	16.0	1.4	0.0	1.6	0.0	0.8	1.3	1.7	0.0	1.2	0.0	0.9
9	0.2	0.5	27.3	1.8	0.1	1.1	28.4	4.2	0.0	1.7	0.0	0.7	40.2	4.1	0.0	1.4	0.0	0.8	6.4	1.7	0.0	1.1	0.0	0.8
10	0.0	0.5	20.4	4.4	0.0	0.9	23.6	4.7	0.0	1.6	10.5	1.0	17.5	3.7	0.0	1.4	34.0	2.7	0.0	1.5	26.8	2.2	0.0	0.8
11	0.0	0.5	0.4	3.1	0.0	0.9	37.6	13.2	25.5	2.3	0.0	0.8	3.3	3.8	0.0	1.2	0.0	1.5	0.0	1.4	0.0	1.7	0.0	0.8
12	0.0	0.5	6.6	2.7	0.0	0.9	0.0	9.4	0.0	2.3	0.0	0.7	4.1	2.5	0.0	1.2	0.0	1.1	0.0	1.3	0.0	1.4	0.0	0.8
13	11.0	0.7	0.0	2.1	0.0	0.8	0.0	5.8	0.0	1.8	0.0	0.7	1.0	2.2	0.0	1.1	0.0	1.0	2.6	1.4	4.6	1.5	0.0	0.8
14	25.2	1.9	0.2	1.8	16.4	1.3	0.0	4.4	0.0	1.6	0.1	0.7	0.0	1.9	0.0	1.1	1.7	1.0	82.0	12.0	0.1	1.3	0.0	0.8
15	0.6	1.0	0.2	1.6	0.0	1.1	0.0	3.7	0.0	1.5	19.3	1.4	8.4	1.8	0.0	1.1	0.0	0.9	0.7	6.6	2.5	1.4	0.0	0.8
16	0.0	0.8	0.0	1.5	0.4	1.0	0.7	3.3	0.0	1.4	30.7	2.5	21.8	3.2	0.0	1.0	0.0	0.8	0.0	3.7	0.0	1.3	0.0	0.8
17	1.7	0.8	0.2	1.3	0.0	0.9	0.5	3.0	0.0	1.4	0.0	1.4	30.5	2.8	0.0	1.0	0.0	0.8	1.4	3.1	0.0	1.2	0.0	0.8
18	18.4	1.7	0.0	1.3	0.0	0.9	0.0	2.7	0.0	1.3	0.0	1.1	0.7	5.4	0.0	0.9	0.0	0.7	3.1	2.7	0.0	1.2	4.8	0.9
19	4.1	1.2	0.0	1.2	0.0	0.9	0.0	2.5	0.0	1.3	0.0	0.9	48.8	6.2	0.0	0.9	0.0	0.7	0.0	2.4	0.0	1.1	0.0	0.8
20	0.0	1.0	0.0	1.2	0.3	0.8	0.0	2.3	0.0	1.2	48.4	3.4	6.2	10.8	0.0	0.9	0.1	0.7	0.0	2.2	0.0	1.1	0.0	0.7
21	0.0	0.9	0.0	1.1	38.4	3.7	1.4	2.2	0.0	1.2	1.9	4.0	1.0	5.7	30.9	2.2	0.0	0.7	1.2	2.0	0.0	1.1	0.0	0.7
22	0.0	0.8	0.0	1.0	0.0	2.1	0.0	2.1	0.0	1.2	0.0	1.8	0.2	4.3	0.0	1.5	20.0	1.6	2.5	2.1	1.2	1.0	0.0	0.7
23	15.1	1.2	0.0	1.0	0.0	1.6	9.0	2.3	0.0	1.3	0.0	1.5	1.0	3.6	0.0	1.1	0.7	1.0	10.0	2.4	0.0	1.0	0.0	0.7
24	0.0	1.2	0.0	1.0	0.0	1.4	0.0	2.0	3.2	1.1	0.0	1.2	0.0	3.1	4.9	1.2	11.4	1.3	0.3	2.1	0.0	1.0	31.8	1.8
25	0.0	1.0	8.8	1.0	12.8	1.4	0.0	1.8	0.0	1.1	4.8	1.2	0.0	2.7	22.0	1.7	92.1	12.9	0.0	1.9	0.0	1.0	0.0	1.5
26	0.0	0.9	0.0	1.1	7.2	2.1	9.3	1.9	0.0	1.0	20.8	2.3	0.0	2.4	0.0	1.7	19.7	13.7	0.0	1.7	0.0	0.9	0.0	1.1
27	0.0	0.8	0.0	1.0	5.2	1.6	46.0	6.6	0.0	1.0	2.1	1.7	0.0	2.1	0.0	1.2	0.0	4.2	0.0	1.6	0.0	0.9	4.4	1.0
28	0.0	0.8	0.5	1.0	3.4	1.7	0.2	3.4	0.0	1.0	58.3	11.0	0.0	2.0	0.0	1.0	32.4	4.4	0.4	1.6	0.0	0.9	10.7	1.4
29	16.2	1.3	0.0	0.9	0.0	1.5	0.2	2.9	0.2	0.9	0.0	5.1	0.0	1.9	0.3	1.0	3.7	5.8	0.0	1.6	0.0	0.9	0.0	1.2
30	0.0	1.1			0.0	1.4	0.0	2.5	0.0	0.9	0.0	3.0	0.0	1.9	2.9	1.0	0.0	3.7	0.0	1.4	5.0	0.9	0.0	1.0
31	3.3	1.0			0.0	1.3			0.0	0.9			0.0	1.7	6.2	1.2			0.0	1.4			0.0	0.9
total	95.8	26.6	85.7	41.3	112.1	39.5	201.1	99.4	49.0	48.1	210.4	55.3	200.7	92.9	115.9	45.3	229.6	69.7	118.9	76.0	57.6	37.5	52.7	28.9

SHIRASAKA

1965

unit: mm/day

annual precipitation: 1716.6

annual runoff: 866.7

866.7

day	January		February		March		April		May		June		July		August		September		October		November		December	
	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff
1	6.5	1.0	4.5	0.9	0.0	0.8	14.0	0.9	0.0	2.6	0.0	4.3	3.0	4.8	0.0	2.9	0.0	0.8	0.0	1.7	5.8	1.5	1.0	1.1
2	0.0	1.0	0.0	0.8	0.0	0.7	2.8	0.9	0.0	2.0	0.0	3.8	18.7	5.6	0.0	2.6	13.8	0.9	0.0	1.6	0.0	1.2	0.0	1.0
3	0.0	0.9	12.7	0.8	0.0	0.8	0.0	0.7	10.8	1.9	0.0	3.2	4.1	4.8	0.0	2.6	9.4	1.8	0.0	1.6	0.0	1.1	0.0	1.0
4	0.0	0.9	4.8	0.8	0.0	0.7	0.0	0.6	45.2	6.6	27.6	4.2	0.0	4.2	0.0	2.4	0.0	1.1	0.0	1.5	0.0	1.1	4.1	1.0
5	0.0	0.8	0.0	0.8	0.1	0.7	0.0	0.6	0.0	4.4	0.2	4.2	27.1	5.1	0.0	2.3	0.0	1.0	0.0	1.5	1.9	1.0	4.5	1.2
6	0.0	0.8	4.6	0.8	0.0	0.7	0.0	0.5	0.0	3.2	0.0	3.3	25.0	10.2	0.0	2.2	2.4	0.8	4.0	1.4	0.0	1.1	2.5	1.1
7	0.0	0.8	3.0	0.8	0.0	0.7	0.0	0.6	3.9	2.7	0.0	3.0	44.0	10.2	6.2	2.5	10.6	1.3	1.0	1.5	0.0	1.0	0.3	1.1
8	0.7	0.8	0.0	0.8	0.0	0.7	0.0	0.6	0.0	2.3	0.0	2.7	4.8	14.8	0.0	2.1	0.0	1.0	0.0	1.4	17.5	1.5	0.0	1.0
9	8.8	1.1	7.1	1.0	0.0	0.7	29.7	1.4	0.0	2.1	0.0	2.4	20.7	9.8	0.0	2.0	8.0	1.0	0.0	1.3	2.3	1.5	0.0	1.0
10	0.0	0.8	4.8	1.8	0.9	0.7	0.0	1.3	0.0	1.9	0.0	2.3	8.8	10.1	0.0	1.8	31.3	2.8	0.0	1.3	0.2	1.3	0.0	1.0
11	1.3	0.8	0.0	1.4	0.0	0.7	1.4	0.9	0.0	1.7	0.0	2.2	0.5	8.3	0.0	1.7	21.5	4.4	0.0	1.2	0.0	1.1	0.0	0.9
12	1.2	0.8	0.0	1.2	0.0	0.6	0.0	0.9	0.0	1.5	0.0	2.0	1.3	7.1	0.0	1.7	0.0	1.8	0.0	1.2	0.0	1.0	5.0	1.0
13	0.0	0.8	0.0	1.1	2.7	0.6	0.3	0.8	0.0	1.5	7.2	2.2	10.4	6.7	0.0	1.6	0.0	1.4	0.0	1.1	0.0	0.9	3.1	1.0
14	0.1	0.8	8.4	1.2	0.0	0.7	14.7	1.0	0.0	1.4	22.1	3.2	7.2	6.4	0.0	1.5	14.2	1.6	5.6	1.1	5.7	1.0	0.0	0.9
15	0.0	0.7	0.0	1.2	0.0	0.6	0.2	1.0	17.2	1.9	0.2	2.6	0.0	5.7	0.0	1.4	0.1	1.5	77.2	12.3	0.2	1.1	0.5	0.9
16	0.0	0.7	0.0	1.1	0.0	0.6	0.0	0.8	0.2	1.6	0.0	2.2	0.0	5.0	0.0	1.4	11.9	1.8	0.0	3.9	0.0	1.0	1.0	0.9
17	0.0	0.7	0.0	1.0	4.9	0.7	0.0	0.8	1.1	1.4	0.4	2.0	0.0	4.5	0.0	1.3	107.5	17.9	0.0	2.6	1.2	1.0	3.2	0.9
18	0.0	0.7	0.0	1.0	0.5	0.8	0.0	0.7	0.0	1.3	3.3	2.0	11.1	4.7	0.0	1.3	104.3	54.6	0.0	2.0	0.0	0.9	0.2	0.9
19	1.7	0.9	0.0	0.9	0.0	0.6	0.5	0.8	0.0	1.1	4.3	1.9	1.5	4.5	0.0	1.2	0.0	12.4	3.3	1.9	0.0	0.9	0.0	0.9
20	0.0	0.7	0.0	0.8	0.0	0.6	14.3	1.0	0.0	1.1	15.3	2.6	6.2	4.1	0.0	1.2	0.0	6.2	1.2	1.8	10.6	1.1	4.2	0.9
21	0.0	0.7	16.1	1.2	1.3	0.6	0.5	1.0	62.0	5.9	71.0	11.0	9.6	4.5	1.3	1.1	0.0	4.5	0.0	1.6	2.5	1.1	2.5	1.1
22	0.0	0.7	0.0	1.1	0.0	0.6	0.0	0.8	7.8	4.8	13.8	16.6	40.5	7.6	0.1	1.1	0.0	3.6	0.0	1.4	0.0	1.0	0.0	0.9
23	0.0	0.7	0.0	0.9	0.0	0.6	0.5	0.8	0.0	2.8	0.0	7.1	3.7	7.8	8.6	1.3	2.7	3.1	0.0	1.4	0.0	0.9	21.2	1.3
24	0.0	0.7	0.0	0.9	15.2	0.7	37.9	2.3	8.5	2.5	0.0	5.2	10.3	6.6	0.0	1.2	0.0	2.8	0.0	1.4	0.2	0.9	7.6	2.3
25	1.1	0.7	0.9	0.9	3.0	1.0	0.9	2.5	0.0	2.2	1.5	4.4	0.1	5.5	0.0	1.1	1.5	2.6	0.0	1.3	14.2	1.1	0.4	1.5
26	0.0	0.6	1.0	0.8	0.0	0.7	0.0	1.7	0.0	1.9	0.0	3.7	0.0	4.7	0.0	0.9	3.2	2.5	0.0	1.3	19.9	2.4	0.1	1.3
27	0.4	0.7	0.0	0.8	0.0	0.6	9.2	1.7	88.0	8.9	25.7	4.7	0.0	4.2	0.0	0.9	0.0	2.3	0.0	1.3	0.0	1.6	0.0	1.4
28	0.5	0.7	0.0	0.8	0.0	0.6	0.0	1.4	25.2	24.9	35.8	6.3	0.0	3.9	0.0	0.9	0.4	2.1	0.0	1.2	0.0	1.3	1.2	1.1
29	0.0	0.6			0.0	0.6	2.7	1.3	0.0	8.1	0.8	7.5	0.0	3.6	0.0	0.8	0.0	1.9	0.0	1.1	0.0	1.2	24.1	2.1
30	22.1	1.3			0.0	0.6	34.0	3.5	6.2	7.1	7.1	5.5	0.0	3.3	0.0	0.8	0.0	1.8	0.0	1.1	2.6	1.2	0.1	1.9
31	0.0	1.0			0.0	0.6			8.0	5.1			2.0	3.2	0.0	0.8			8.1	1.2			0.1	1.6
total	44.4	24.9	67.9	27.6	28.6	20.9	163.6	33.8	284.1	118.4	236.3	128.3	260.6	191.5	16.2	48.6	342.8	143.3	100.4	58.2	84.8	35.0	86.9	36.2

SHIRASAKA

1966

unit: mm/day

annual precipitation: 1890.0

annual runoff: 1096.5

1096.5

day	January		February		March		April		May		June		July		August		September		October		November		December	
	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff
1	0.0	1.4	0.0	0.8	0.0	3.0	24.7	2.6	0.0	1.8	8.6	5.6	12.1	3.3	0.0	2.1	0.1	1.0	0.0	3.9	0.0	1.6	0.1	1.3
2	0.2	1.3	0.0	0.9	0.0	2.2	0.1	3.0	0.0	1.8	14.9	6.4	76.6	17.1	0.0	1.8	48.0	7.2	14.2	3.8	0.0	1.6	0.8	1.3
3	0.0	1.2	0.0	0.9	49.4	7.5	0.0	2.4	17.9	2.6	1.2	5.3	0.0	13.6	5.3	1.7	0.1	2.5	6.1	4.0	0.0	1.4	0.0	1.2
4	1.9	1.2	0.5	0.9	19.6	9.3	14.1	2.5	3.3	2.2	8.3	4.8	0.0	6.4	3.3	2.0	0.0	1.8	0.0	3.4	0.0	1.4	0.0	1.2
5	13.3	1.9	0.0	0.8	22.7	11.3	5.8	3.2	0.0	1.9	12.1	5.9	0.0	4.8	0.0	1.7	9.6	1.9	0.0	3.0	0.0	1.4	0.0	1.2
6	1.8	1.4	1.5	0.8	0.0	7.3	0.0	2.6	0.0	1.7	0.0	4.8	0.0	3.9	0.0	1.6	0.0	1.5	0.0	2.7	0.0	1.3	1.2	1.2
7	0.0	1.3	1.0	0.8	45.7	8.5	25.0	2.8	0.0	1.7	0.0	4.2	0.0	3.7	0.0	1.5	0.0	1.5	0.0	2.6	0.5	1.4	0.0	1.2
8	0.0	1.2	0.0	0.8	14.6	15.8	8.3	5.7	27.3	2.6	0.0	3.7	43.8	5.5	0.0	1.5	0.0	1.3	0.0	2.4	0.0	1.3	0.0	1.1
9	0.0	1.2	0.0	0.8	2.2	8.8	0.1	3.7	0.0	2.4	0.1	3.4	97.0	39.7	0.0	1.4	2.2	1.2	0.2	2.3	0.0	1.3	0.2	1.1
10	0.0	1.1	0.0	0.8	0.0	6.5	4.0	3.3	0.0	2.0	28.5	4.8	1.3	18.4	0.0	1.4	22.3	1.8	0.0	2.2	0.0	1.3	0.0	1.0
11	7.1	1.3	8.4	0.9	0.0	5.3	0.0	2.9	24.5	2.9	0.0	4.2	0.8	11.1	0.0	1.3	0.0	1.7	0.0	2.1	0.0	1.2	0.5	1.1
12	0.0	1.2	0.1	0.9	0.0	4.5	14.5	3.2	0.0	2.8	0.0	3.5	7.2	9.8	0.5	1.2	0.1	1.3	0.0	2.1	0.0	1.2	0.1	1.1
13	1.8	1.1	0.0	0.8	0.0	4.0	0.0	3.0	0.0	2.2	0.0	3.3	6.1	7.8	0.0	1.2	26.8	2.6	47.3	6.3	0.0	1.2	6.6	1.2
14	6.2	1.3	0.0	0.8	0.8	3.6	0.0	2.8	0.0	2.0	0.0	3.0	0.0	6.6	8.5	1.2	0.0	1.7	0.1	4.8	39.5	3.1	0.9	1.1
15	0.0	1.1	0.0	0.8	0.0	3.2	0.5	2.6	0.8	1.8	0.0	2.8	0.0	5.8	2.4	1.4	0.0	1.4	0.0	2.9	0.1	2.1	0.0	1.0
16	0.0	1.1	0.0	0.7	27.9	4.5	21.6	3.3	21.7	3.0	11.4	3.3	0.1	5.2	24.7	2.2	0.0	1.2	5.0	2.8	0.0	1.9	0.0	1.0
17	0.0	1.1	13.0	0.9	0.0	4.4	0.1	3.1	0.0	2.2	5.2	3.1	0.0	4.8	1.4	1.9	4.5	1.2	0.0	2.4	1.7	1.5	0.0	1.0
18	0.0	1.0	4.7	1.2	0.0	3.5	0.1	2.8	0.0	1.9	0.8	2.9	0.0	4.3	1.5	1.4	10.9	1.5	0.0	2.3	6.3	1.8	0.0	1.0
19	1.2	1.0	0.0	0.9	13.4	3.6	0.0	2.5	0.0	1.8	0.0	2.6	1.4	4.1	12.2	1.5	130.1	28.6	0.1	2.3	0.0	1.6	0.0	1.0
20	4.5	1.0	0.0	0.8	0.1	3.3	0.0	2.4	0.0	1.7	0.0	2.5	0.1	3.8	12.1	2.6	0.1	18.4	0.0	2.0	0.0	1.4	14.2	1.4
21	1.9	1.0	41.4	3.5	2.0	3.0	0.0	2.4	0.4	1.6	16.9	3.4	0.0	3.5	0.0	1.7	0.0	5.8	0.7	2.0	0.0	1.3	0.0	1.1
22	1.2	1.0	0.0	2.8	2.1	2.8	8.4	2.3	25.4	2.1	0.1	2.9	0.0	3.2	0.0	1.4	17.1	4.6	0.0	2.0	1.5	1.3	0.0	1.1
23	0.3	1.0	12.8	2.4	11.5	3.4	6.2	2.8	49.1	8.2	0.0	2.6	0.0	3.0	28.6	3.7	12.4	4.0	0.0	1.8	0.0	1.2	0.0	1.0
24	0.0	0.9	0.0	2.0	0.0	3.0	0.0	2.3	17.2	6.0	4.5	2.5	0.0	2.8	3.9	2.2	69.3	19.4	0.0	1.8	0.0	1.2	0.0	1.0
25	0.0	0.9	0.0	1.7	0.0	2.7	0.0	2.2	0.0	5.5	0.0	2.3	0.0	2.7	0.0	1.7	11.6	14.1	0.0	1.7	0.0	1.2	0.2	1.0
26	4.9	1.0	0.2	1.5	0.0	2.6	0.0	2.2	0.5	4.1	0.0	2.1	0.0	2.5	0.0	1.5	19.9	10.8	0.9	1.6	24.6	2.5	0.0	1.0
27	0.5	1.0	0.0	1.4	0.0	2.4	7.3	2.3	0.0	3.4	0.0	2.2	0.0	2.4	3.7	1.5	0.0	8.5	11.6	1.9	0.0	1.7	0.1	1.1
28	0.0	1.0	37.0	3.9	0.0	2.3	0.5	2.1	0.0	3.0	34.8	3.5	0.0	2.2	0.0	1.3	0.0	6.3	9.5	2.1	0.0	1.5	0.0	0.9
29	0.0	0.9			4.1	2.3	0.0	2.0	0.5	2.7	6.0	4.2	0.0	2.1	0.0	1.2	0.0	5.1	9.4	2.5	0.0	1.4	0.1	0.9
30	0.0	0.9			0.0	2.2	0.0	1.9	68.6	12.8	0.0	3.0	0.0	2.0	0.0	1.2	0.0	4.1	0.1	1.9	5.6	1.5	0.0	0.9
31	0.0	0.9			0.0	2.0			0.0	8.7			4.9	1.9	0.0	1.1			0.0	1.7			0.0	0.9
total	46.8	34.9	120.6	36.2	216.1	148.8	141.3	82.9	257.2	101.1	153.4	108.8	251.4	208.0	108.1	51.1	385.1	164.0	105.2	81.3	79.8	45.8	25.0	33.6

SHIRASAKA

1967

unit: mm/day

annual precipitation: 1704.0

annual runoff: 885.7

885.7

day	January		February		March		April		May		June		July		August		September		October		November		December	
	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff
1	1.2	0.9	0.0	1.1	0.0	0.8	0.2	2.3	0.7	3.3	0.0	1.3	0.0	3.3	0.0	1.9	4.5	1.4	2.3	0.9	0.0	1.8	6.0	1.7
2	20.4	1.7	0.0	1.0	0.0	0.8	0.0	2.0	18.1	4.5	0.0	1.2	1.8	2.7	0.1	1.8	30.1	2.6	21.0	1.4	0.0	1.6	0.0	1.4
3	0.3	1.2	0.0	1.0	0.0	0.7	28.8	3.0	0.0	4.1	0.0	1.2	61.8	11.1	0.1	1.7	0.8	2.6	15.7	2.0	3.7	1.6	0.0	1.3
4	0.5	1.1	0.0	1.0	0.0	0.7	0.8	3.7	0.0	3.2	0.0	1.2	16.2	8.9	0.0	1.6	0.1	1.6	0.5	1.6	0.0	1.5	0.0	1.3
5	2.0	1.0	0.0	0.9	45.8	2.3	27.3	5.9	0.0	2.9	1.0	1.3	0.2	5.6	0.0	1.5	0.4	1.4	0.3	1.3	0.0	1.4	0.0	1.2
6	0.1	1.0	0.0	0.9	19.8	7.1	0.0	4.1	0.0	2.7	0.0	1.2	5.5	3.7	0.0	1.4	0.1	1.3	2.4	1.2	23.1	2.3	0.0	1.1
7	0.0	0.9	0.0	0.8	0.0	2.9	0.0	3.3	25.4	3.3	0.0	1.1	22.7	6.7	0.0	1.3	0.0	1.3	6.4	1.2	0.0	2.0	0.0	1.1
8	0.0	0.9	0.0	0.8	0.0	2.1	0.0	2.9	4.8	4.2	0.0	1.0	3.1	5.3	0.0	1.4	0.0	1.2	7.7	1.6	0.0	1.7	0.0	1.1
9	0.0	0.9	5.9	0.9	0.0	1.8	11.8	2.9	0.0	3.2	1.0	1.0	20.0	5.5	0.0	1.2	0.0	1.1	0.0	1.2	0.2	1.5	0.0	1.1
10	0.0	0.9	5.8	0.9	0.0	1.6	26.9	4.7	21.9	3.4	15.1	1.5	141.1	64.6	0.0	1.2	0.0	1.1	0.0	1.1	0.0	1.4	0.0	1.0
11	0.0	0.8	0.0	1.0	14.4	2.1	10.6	5.0	21.8	6.7	0.0	1.2	0.2	22.4	0.0	1.2	0.0	1.0	0.0	1.0	0.0	1.3	0.0	1.0
12	9.9	1.5	3.2	1.0	0.0	1.7	0.8	4.4	0.0	5.1	0.0	1.1	6.4	11.3	0.0	1.1	0.2	1.0	0.0	1.0	18.8	1.7	0.0	1.0
13	0.0	1.0	0.1	0.9	0.0	1.5	10.4	4.1	0.0	4.0	0.0	1.0	17.8	10.5	57.7	7.1	37.4	1.4	0.0	0.9	0.0	1.9	0.0	1.0
14	0.0	0.9	0.8	0.9	0.0	1.4	24.0	5.9	0.0	3.5	0.0	0.9	0.0	8.3	14.3	2.8	7.1	5.0	24.0	1.4	0.0	1.5	4.8	1.0
15	0.0	0.9	0.1	0.8	0.0	1.3	0.9	6.0	0.0	3.1	0.0	0.9	0.7	6.7	0.0	2.2	0.0	1.8	0.9	2.1	0.0	1.4	15.0	1.7
16	0.4	0.8	0.2	0.8	6.6	1.5	19.6	6.3	0.0	2.8	0.0	0.8	0.0	5.7	5.8	1.9	0.0	1.5	0.0	1.3	0.0	1.3	0.4	1.2
17	0.0	0.8	0.0	0.8	0.1	1.3	15.0	6.4	0.0	2.6	0.0	0.8	0.0	4.9	0.2	1.6	2.4	1.5	0.0	1.1	0.0	1.3	0.0	1.1
18	0.0	0.8	0.0	0.8	19.0	1.8	0.2	6.3	0.0	2.4	0.0	0.8	0.0	4.4	0.0	1.4	0.0	1.3	15.7	1.6	0.0	1.2	0.0	1.0
19	0.0	0.8	0.0	0.7	0.1	1.9	6.2	5.5	0.0	2.3	0.3	0.8	0.0	4.0	0.0	1.3	0.7	1.2	0.0	1.3	0.0	1.2	4.5	1.0
20	0.9	0.8	0.0	0.7	0.0	1.5	55.1	11.2	0.0	2.2	3.0	0.8	12.3	4.4	5.0	1.3	1.2	1.1	0.0	1.1	12.3	1.4	9.2	1.6
21	0.0	0.8	0.0	0.7	0.0	1.4	0.1	14.0	0.0	2.1	0.0	0.8	0.4	3.7	17.8	2.1	25.4	1.5	0.7	1.1	3.4	1.6	1.2	1.2
22	0.0	0.7	0.0	0.7	22.8	2.1	0.0	8.2	0.0	2.0	0.0	0.7	0.0	3.3	2.4	1.7	3.1	2.4	0.0	1.0	0.0	1.3	0.0	1.1
23	0.0	0.8	1.7	0.7	0.1	2.0	0.0	6.6	0.0	1.9	2.4	0.8	0.0	3.1	30.9	3.1	0.0	1.5	0.0	0.9	0.0	1.2	0.0	1.1
24	0.0	0.7	5.5	0.9	0.0	1.7	0.0	5.5	0.0	1.8	0.4	0.7	0.0	2.9	0.0	3.1	0.0	1.2	1.2	1.0	0.0	1.2	0.3	1.1
25	0.0	0.7	13.0	0.9	0.0	1.6	0.0	4.9	0.0	1.7	0.4	0.7	1.6	2.8	0.0	1.8	0.0	1.1	0.0	0.9	0.0	1.1	0.3	1.0
26	0.0	0.7	0.0	1.0	0.0	1.5	0.0	4.4	0.0	1.7	40.3	2.7	0.0	2.7	0.0	1.5	0.0	1.1	0.0	0.9	0.0	1.1	0.0	1.0
27	0.0	0.7	0.0	0.9	38.1	3.1	0.0	4.0	0.0	1.6	0.0	1.3	0.0	2.4	0.0	1.4	0.0	1.0	15.2	1.1	0.0	1.1	1.6	1.0
28	0.0	0.7	0.0	0.8	0.5	4.0	1.4	3.7	0.0	1.8	11.2	1.1	0.0	2.3	0.0	1.3	0.0	1.0	62.7	5.7	10.1	1.2	0.0	1.0
29	37.8	2.1			0.0	2.9	13.5	3.9	2.7	1.6	116.3	28.1	0.0	2.2	0.0	1.3	0.0	0.9	0.4	5.7	9.0	1.7	0.0	1.0
30	0.8	2.0			0.0	2.4	1.2	4.3	0.0	1.5	0.0	6.8	4.4	2.2	3.6	1.3	0.0	0.9	0.0	2.7	4.5	1.5	0.0	0.9
31	0.0	1.3			11.4	2.5			0.0	1.3			0.0	2.1	0.0	1.1			0.0	2.1			0.0	0.9
total	74.3	30.8	36.3	24.3	178.7	62.0	254.8	155.4	95.4	88.5	191.4	64.8	316.2	229.7	137.9	56.6	113.5	45.0	177.1	49.4	85.1	44.0	43.3	35.2



SHIRASAKA

1968

unit: mm/day

annual precipitation: 1741.6

annual runoff:

901.8

day	January		February		March		April		May		June		July		August		September		October		November		December	
	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff
1	0.0	0.9	3.6	0.8	23.5	2.0	0.0	3.7	0.0	5.3	0.0	1.7	0.0	2.7	8.4	2.8	0.0	6.1	28.1	3.4	0.0	1.6	0.0	1.1
2	0.0	0.9	0.4	0.8	0.0	1.9	0.0	2.9	0.0	4.0	0.0	1.6	4.4	2.3	3.2	2.6	0.0	4.6	0.0	2.2	0.0	1.5	0.0	1.1
3	0.0	0.9	0.9	0.8	0.0	1.4	0.0	2.6	0.0	3.5	4.2	1.7	45.2	7.0	0.0	2.3	0.0	3.9	0.0	1.9	0.0	1.5	0.4	1.1
4	0.0	0.9	0.1	0.8	0.0	1.3	0.0	2.3	23.8	3.9	4.1	1.9	0.0	5.2	0.0	2.1	3.8	3.5	38.5	3.5	0.0	1.5	0.0	1.1
5	0.0	0.8	0.2	0.7	0.0	1.2	0.0	2.2	13.8	5.0	0.0	1.6	0.0	3.8	0.0	2.0	2.3	3.4	5.0	5.5	0.0	1.4	18.9	1.6
6	0.0	0.8	0.0	0.7	5.2	1.3	15.7	2.7	0.0	4.0	0.0	1.5	40.7	5.6	0.0	1.8	0.0	2.9	0.4	3.3	44.8	2.9	39.0	6.7
7	15.9	1.3	0.0	0.7	0.0	1.0	0.0	2.3	13.2	3.6	0.0	1.4	22.5	14.8	0.2	1.7	0.0	2.8	0.0	2.7	0.0	3.4	0.0	2.5
8	0.3	1.1	0.0	0.7	0.6	1.0	0.0	2.0	50.2	10.3	0.0	1.4	3.3	6.8	0.0	1.7	0.0	2.6	20.5	3.5	0.0	2.2	0.0	1.9
9	0.0	0.9	0.1	0.7	11.2	1.3	0.0	1.9	0.0	9.2	10.5	1.7	5.9	5.7	0.0	1.6	20.2	3.7	0.0	3.0	0.1	1.9	0.0	1.7
10	0.0	0.9	0.0	0.7	0.0	1.1	1.3	1.9	0.0	6.2	5.6	1.5	0.0	4.6	4.0	1.5	0.0	2.8	18.9	3.7	15.8	2.5	7.7	1.8
11	0.0	0.9	0.0	0.7	0.0	1.0	14.2	2.3	0.0	5.1	39.9	5.0	0.0	4.0	3.2	1.5	0.0	2.4	0.0	3.3	0.0	2.1	1.1	1.7
12	0.0	0.8	0.9	0.7	20.4	1.5	7.7	2.5	0.0	4.5	0.0	2.5	0.0	3.6	1.4	1.5	0.0	2.2	0.0	2.7	0.0	1.9	13.3	1.6
13	0.8	0.9	0.0	0.6	0.0	1.6	0.0	2.2	16.2	4.5	0.3	1.9	0.0	3.3	0.0	1.4	1.4	2.1	0.0	2.5	0.0	1.8	23.8	4.5
14	10.8	1.2	0.0	0.6	0.0	1.3	0.0	2.0	0.4	4.1	0.0	1.7	0.0	3.0	0.0	1.3	38.3	3.1	0.0	2.3	0.0	1.7	0.0	3.2
15	0.2	0.9	1.5	0.6	0.0	1.2	0.0	1.9	0.0	3.6	0.2	1.4	0.0	2.8	0.0	1.3	7.7	4.3	0.9	2.3	0.0	1.6	5.3	2.7
16	7.0	0.9	42.1	1.2	0.4	1.1	0.0	1.7	0.0	3.3	21.6	2.1	51.5	3.8	0.0	1.2	0.3	3.1	0.0	2.1	0.0	1.6	0.5	2.3
17	3.8	0.9	0.0	1.2	8.0	1.4	0.0	1.7	0.0	3.0	0.0	2.1	19.8	10.6	0.0	1.2	0.0	2.7	0.0	1.9	0.5	1.6	0.0	2.1
18	0.2	0.9	0.0	0.9	0.0	1.2	2.1	1.6	0.0	2.9	1.0	1.6	0.4	5.8	5.3	1.2	0.0	2.5	0.1	1.8	0.0	1.5	0.0	2.0
19	0.0	1.0	2.2	0.8	0.0	1.1	22.9	2.5	12.5	2.8	0.0	1.5	0.0	4.7	0.0	1.3	0.0	2.3	0.0	1.7	0.0	1.4	4.7	2.0
20	0.0	0.9	9.2	1.4	0.0	1.0	0.0	2.3	9.4	3.6	35.2	4.2	0.0	3.9	0.0	1.1	0.0	2.1	0.0	1.6	0.0	1.4	0.2	1.8
21	0.0	0.9	0.0	1.0	65.5	4.4	0.0	1.9	0.0	3.0	0.0	2.7	0.0	3.5	0.0	1.1	0.3	2.0	0.0	1.6	3.0	1.4	1.4	1.7
22	0.0	0.9	0.0	0.9	4.7	9.9	0.0	1.7	0.0	2.7	0.0	2.1	0.0	3.2	8.2	1.4	0.0	1.9	0.0	1.6	0.0	1.4	8.3	1.8
23	0.0	0.8	0.7	0.8	0.0	4.2	4.8	1.8	0.0	2.5	0.0	1.8	0.0	2.9	0.0	1.1	0.9	1.8	0.5	1.5	0.0	1.3	0.2	1.9
24	0.0	0.8	0.0	0.8	0.0	3.2	1.3	1.7	0.0	2.3	0.0	1.6	0.0	2.7	0.0	1.0	0.0	1.8	38.0	2.5	0.0	1.3	0.0	1.6
25	0.0	0.8	0.0	0.8	5.4	2.7	0.0	1.6	0.0	2.2	4.4	1.5	0.0	2.5	0.0	1.0	12.4	2.0	12.7	3.9	0.0	1.3	0.1	1.6
26	0.1	0.8	0.0	0.7	18.0	3.3	0.0	1.5	0.0	2.1	5.2	1.6	0.0	2.3	84.2	6.1	2.1	1.9	0.2	2.8	0.0	1.3	0.0	1.5
27	0.1	0.8	0.0	0.7	0.3	3.1	0.0	1.5	0.0	2.0	22.1	2.3	0.0	2.2	11.9	10.6	5.5	2.0	0.0	2.2	0.0	1.3	6.5	1.7
28	0.0	0.7	0.0	0.7	6.5	2.8	5.2	1.5	6.1	2.1	31.2	3.7	0.2	2.1	46.3	8.8	0.0	1.8	0.0	2.0	0.3	1.2	0.0	1.5
29	0.0	0.8	0.0	0.8	0.0	2.7	89.0	11.3	0.0	1.9	1.3	5.9	2.0	2.1	10.9	10.7	0.0	1.6	0.0	1.9	0.0	1.2	0.0	1.4
30	1.4	0.8			0.0	2.4	1.2	10.1	0.0	1.8	0.0	3.4	29.4	3.2	65.0	28.3	0.0	1.6	0.0	1.7	0.0	1.1	0.0	1.4
31	0.1	0.8			28.8	4.2			2.1	2.0			8.2	3.2	0.0	10.0			0.0	1.7			0.0	1.4
total	40.7	27.6	61.9	23.3	198.5	68.8	165.4	79.8	147.7	117.0	186.8	66.6	233.5	133.9	252.2	113.2	95.2	81.5	163.8	78.3	64.5	49.8	131.4	62.0

SHIRASAKA

1969

unit: mm/day

annual precipitation: 1851.1

annual runoff: 1080.6

1080.6

day	January		February		March		April		May		June		July		August		September		October		November		December	
	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff
1	0.1	1.3	19.5	2.2	1.2	1.5	0.1	4.6	0.0	2.3	0.0	1.3	19.5	28.4	18.3	3.0	0.0	1.6	15.4	2.0	0.0	1.1	9.1	1.1
2	0.0	1.3	0.0	2.1	0.0	1.4	0.0	3.7	0.0	2.1	0.0	1.2	36.9	16.2	32.2	4.4	0.0	1.6	3.8	2.3	0.0	1.1	0.0	0.9
3	0.0	1.3	0.0	1.7	0.0	1.4	0.0	3.2	0.0	2.0	0.0	1.1	7.0	16.4	4.8	3.0	64.2	9.7	0.0	1.8	0.0	1.0	0.7	0.8
4	12.6	1.3	0.0	1.6	4.9	1.4	0.0	2.9	0.0	2.0	47.1	5.4	0.0	11.0	9.0	3.1	0.0	3.9	0.0	1.6	0.0	1.0	0.0	0.8
5	0.2	1.3	19.0	2.1	12.4	2.3	54.1	10.0	0.0	1.9	0.0	2.6	80.1	22.8	101.4	23.2	0.0	2.9	0.0	1.5	0.0	1.0	0.0	0.8
6	0.0	1.3	0.0	2.0	0.0	1.6	0.1	6.4	7.0	2.0	18.9	2.2	13.7	27.1	0.0	11.8	2.0	2.5	0.0	1.5	0.0	0.9	0.0	0.7
7	0.0	1.3	0.0	1.7	0.0	1.5	0.0	4.9	0.0	1.9	2.7	2.8	0.0	14.8	0.0	6.2	0.0	2.2	0.0	1.3	0.0	0.9	17.2	1.1
8	0.5	1.2	0.0	1.6	0.1	1.5	0.0	4.2	0.0	1.7	0.0	2.0	11.6	11.9	0.4	4.7	18.9	3.6	1.2	1.4	0.0	0.9	32.7	4.4
9	0.0	1.2	0.2	1.5	0.0	1.4	6.9	4.1	0.0	1.7	0.0	1.8	68.8	27.3	1.8	4.0	0.0	2.4	4.5	1.5	0.0	0.9	0.0	2.5
10	0.0	1.2	0.0	1.5	0.0	1.4	3.2	3.7	0.0	1.6	0.0	1.6	21.7	23.3	0.0	3.5	0.7	2.2	0.0	1.3	0.0	0.9	0.0	1.7
11	2.1	1.2	0.0	1.4	0.0	1.3	0.0	3.3	19.1	2.0	0.0	1.4	4.9	15.2	1.5	3.2	14.3	2.8	0.0	1.2	0.0	0.8	0.0	1.4
12	0.3	1.4	0.3	1.4	23.3	1.7	0.0	3.1	0.2	2.2	0.3	1.4	0.2	12.8	0.0	3.0	0.0	2.3	0.0	1.2	0.0	0.8	0.0	1.3
13	0.0	1.2	0.0	1.3	29.7	5.6	0.0	2.9	0.0	1.7	20.2	2.1	1.4	10.5	0.0	2.7	0.0	2.0	0.0	1.1	0.0	0.8	1.4	1.3
14	0.0	1.2	3.0	1.3	0.0	3.1	0.0	2.8	0.1	1.6	0.0	1.7	0.0	9.0	0.0	2.5	0.0	2.0	0.0	1.1	0.0	0.8	0.0	1.1
15	0.6	1.2	7.6	1.7	0.9	2.5	0.0	2.6	0.0	1.5	0.0	1.4	0.0	7.7	0.0	2.3	0.1	1.8	0.0	1.1	0.0	0.8	0.0	1.1
16	0.2	1.1	0.2	1.3	0.0	1.9	0.8	2.5	0.0	1.4	0.0	1.3	0.0	6.7	0.0	2.2	0.0	1.8	0.4	1.0	36.4	2.2	0.5	1.0
17	0.0	1.1	12.6	1.8	2.7	2.2	55.9	6.8	19.6	1.8	0.0	1.3	0.0	6.0	0.0	2.1	0.6	1.7	1.4	0.9	6.2	1.7	0.3	1.0
18	0.0	1.1	15.6	1.7	0.0	1.9	0.6	6.5	14.6	3.5	16.1	1.8	0.0	5.5	0.0	2.0	0.7	1.6	0.0	0.9	2.1	1.5	0.0	1.0
19	2.0	1.1	11.9	2.8	0.0	1.9	0.0	4.4	3.5	2.2	0.0	1.6	1.2	5.1	1.4	2.0	0.0	1.5	0.0	0.9	0.0	1.1	0.0	1.0
20	0.0	1.1	0.2	2.5	4.1	1.9	0.0	3.7	0.0	1.9	9.6	1.8	0.2	4.7	0.0	2.0	0.0	1.4	0.0	0.8	0.0	1.0	0.0	0.9
21	0.0	1.0	5.1	2.3	26.5	3.2	0.0	3.4	0.0	1.6	0.2	1.5	0.0	4.3	0.0	1.8	0.0	1.4	0.0	0.9	4.1	1.1	0.0	0.9
22	1.2	1.0	0.0	2.0	0.5	3.5	5.3	3.3	0.0	1.5	18.8	2.2	0.0	3.9	0.0	1.7	0.0	1.3	0.7	1.0	0.0	1.0	0.0	0.9
23	0.3	1.0	0.0	1.9	0.3	2.6	0.2	3.1	1.6	1.5	0.9	2.0	0.0	3.7	52.8	4.2	0.0	1.3	0.0	1.0	5.1	1.1	0.0	0.8
24	0.0	1.0	1.8	1.7	0.0	2.3	0.0	2.9	0.0	1.4	1.4	1.8	9.5	3.8	5.2	5.8	28.4	2.8	0.0	0.9	0.0	0.9	0.0	0.8
25	0.0	1.0	0.0	1.6	0.0	2.1	0.0	2.7	9.1	1.5	0.0	1.5	3.8	3.9	0.0	2.8	21.4	3.3	37.4	1.8	0.5	0.9	0.0	0.8
26	19.5	1.7	0.0	1.5	0.0	1.9	6.4	2.8	6.1	1.7	141.4	35.7	0.0	3.3	15.1	2.7	11.3	3.2	20.5	4.3	0.4	0.9	4.5	0.9
27	1.9	1.3	2.2	1.5	0.0	1.8	1.7	2.7	0.0	1.4	7.0	14.2	0.9	3.0	0.0	2.7	0.0	2.8	0.0	2.0	0.0	0.9	1.2	0.9
28	0.0	1.2	5.5	1.7	0.0	2.0	1.4	2.6	10.7	1.5	0.2	7.5	0.0	2.8	0.0	2.2	0.0	2.2	0.0	1.5	0.0	0.9	0.3	0.8
29	12.0	1.3			2.2	1.8	0.0	2.4	0.1	1.5	2.4	5.8	0.0	2.7	0.0	1.9	0.0	2.0	0.0	1.3	0.0	0.8	0.0	0.8
30	8.7	1.9			60.3	5.6	6.8	2.4	0.0	1.3	82.0	16.2	0.0	2.5	0.0	1.8	0.0	1.7	0.0	1.2	0.6	0.8	0.0	0.8
31	0.2	1.5			4.2	9.2			9.8	1.5			0.0	2.3	0.0	1.7			0.0	1.1			0.0	0.8
total	62.4	38.3	104.7	49.4	173.3	75.4	143.5	114.6	101.5	55.4	369.2	126.2	281.4	318.6	243.9	120.2	162.6	73.5	85.3	43.4	55.4	30.5	67.9	35.1