

SHIRASAKA

1980

unit: mm/day

n/a : data not available

annual precipitation: 1904.2

annual runoff:

n/a

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	0.4	0.8	0.0	1.2	8.9	0.8	19.8	2.7	16.7	2.3	37.8	6.6	0.0	2.7	0.0	3.4	1.9	6.8	0.0	1.7	1.1	2.3	0.0	2.1
2	0.0	0.8	0.0	1.1	13.0	1.6	0.0	3.0	0.0	2.1	8.7	7.4	23.8	3.5	3.9	3.2	0.0	5.8	0.0	1.7	0.0	2.1	0.0	1.9
3	25.8	1.4	0.0	1.0	0.0	1.0	0.0	2.2	0.0	1.8	14.7	6.7	26.9	6.6	3.1	3.0	0.0	5.0	0.0	1.6	0.0	2.0	8.1	2.1
4	0.3	1.4	0.0	1.0	0.0	0.9	0.0	2.0	0.0	1.7	0.0	5.6	0.0	5.4	1.1	2.9	0.0	4.5	0.0	1.6	0.0	2.0	1.0	1.9
5	11.8	1.7	0.0	1.0	0.0	0.9	0.0	1.8	0.8	1.6	0.0	4.6	0.0	3.8	16.6	3.3	0.0	4.1	0.0	1.5	0.0	1.9	0.0	1.7
6	0.0	1.3	0.1	0.9	1.0	0.9	7.7	1.7	0.0	1.6	0.0	4.1	0.3	3.1	0.0	2.8	5.8	3.9	0.0	1.4	0.6	1.9	0.0	1.6
7	0.5	1.2	1.5	0.9	0.2	0.9	12.7	2.4	0.0	1.5	0.0	3.6	0.1	2.8	0.8	2.6	2.6	4.0	19.8	1.9	0.0	1.8	0.0	1.6
8	1.5	1.2	0.0	0.9	18.8	1.5	0.0	2.0	0.0	1.4	32.9	5.2	46.7	4.6	0.0	2.6	5.7	3.7	4.4	2.2	0.0	1.8	0.0	1.5
9	0.0	1.1	0.0	0.9	0.1	1.1	0.0	1.8	64.8	6.1	14.3	5.4	18.0	6.2	0.0	2.4	2.2	3.6	0.0	1.7	0.0	1.6	0.0	1.4
10	4.6	1.1	0.0	0.8	17.4	1.6	6.5	1.8	7.6	6.4	14.6	7.8	21.7	11.2	0.0	2.3	2.5	3.3	0.2	1.6	0.0	1.6	0.0	1.4
11	0.0	1.1	0.0	0.8	0.0	1.5	0.0	1.6	0.0	3.5	0.0	5.7	7.0	7.0	0.0	2.1	1.4	3.2	1.9	1.5	0.0	1.6	0.0	1.3
12	0.7	1.0	0.0	0.8	0.0	1.3	0.0	1.5	0.0	2.8	0.0	4.7	34.5	10.8	0.0	2.0	8.2	3.3	1.7	1.5	0.0	1.6	7.8	1.4
13	4.2	1.0	0.0	0.8	0.0	1.2	16.0	1.8	22.3	2.8	0.0	4.2	0.0	9.4	0.0	1.9	0.0	2.8	3.2	1.4	3.7	1.6	5.4	1.6
14	5.2	1.3	0.1	0.8	4.5	1.1	24.3	3.1	1.3	3.7	0.0	3.8	0.0	6.7	1.0	1.8	0.0	2.6	15.3	2.3	0.0	1.5	0.0	1.3
15	0.0	1.1	0.0	0.8	8.5	1.5	18.0	7.0	1.5	2.8	0.0	3.4	3.4	5.7	1.5	1.9	0.0	2.5	82.3	17.0	0.0	1.4	0.8	1.3
16	0.0	1.1	0.0	0.8	0.0	1.2	0.0	3.9	28.7	4.3	0.5	3.2	0.2	5.0	0.0	1.8	0.0	2.4	0.0	5.5	0.0	1.4	0.1	1.3
17	0.0	1.1	0.0	0.8	0.0	1.1	12.5	3.6	3.1	4.6	0.3	3.0	0.0	4.5	25.0	3.0	0.0	2.3	7.3	4.0	0.0	1.4	0.0	1.3
18	1.1	1.0	0.0	0.7	0.0	1.0	0.0	3.1	0.0	3.6	5.5	3.0	0.0	4.1	0.0	2.2	0.3	2.2	0.0	3.1	0.0	1.4	0.0	1.2
19	0.0	0.9	12.8	0.8	0.0	1.0	0.0	2.7	0.0	3.0	0.5	2.9	6.0	4.0	4.8	2.1	0.0	2.1	32.9	3.6	0.0	1.3	0.9	1.2
20	0.0	0.9	0.3	1.2	0.0	1.0	0.0	2.4	0.0	2.8	0.7	2.6	0.0	3.5	2.2	2.0	1.8	2.1	43.3	17.3	0.0	1.3	0.0	1.2
21	0.0	0.9	0.0	0.9	0.0	0.9	23.7	n/a	3.1	2.6	17.7	3.2	0.0	3.2	32.5	4.9	5.2	2.3	9.7	9.1	0.0	1.3	0.0	1.1
22	1.0	0.9	0.0	0.8	10.1	1.0	0.0	3.3	3.6	2.5	0.0	2.9	0.0	2.9	16.2	3.6	3.2	2.1	0.0	6.6	51.6	4.5	0.0	1.1
23	0.0	0.9	0.0	0.8	24.6	1.5	0.0	2.6	0.0	2.2	0.6	2.6	0.0	2.7	11.7	5.0	0.0	2.0	0.0	5.0	1.9	3.1	0.0	1.2
24	0.4	0.9	0.0	0.7	0.0	1.5	0.0	2.4	0.0	2.1	1.0	2.4	37.5	4.0	41.3	14.7	0.1	1.8	0.0	4.2	0.0	2.1	25.7	1.5
25	0.0	0.9	0.0	0.7	0.0	1.5	0.0	2.2	0.0	1.9	0.0	2.2	39.6	11.5	0.0	6.4	4.9	2.0	7.3	3.9	4.7	1.9	2.0	1.6
26	0.0	0.9	0.0	0.7	0.0	1.3	0.0	2.0	59.7	7.1	0.3	2.1	0.0	5.8	5.8	4.6	2.1	1.9	1.3	3.6	1.8	1.9	0.0	1.5
27	0.0	0.8	6.9	0.9	0.0	1.2	0.0	1.9	22.2	10.0	17.7	3.1	7.6	4.8	108.1	36.2	10.9	2.0	0.0	3.1	0.0	1.9	1.6	1.4
28	0.6	0.8	0.0	0.8	0.0	1.2	12.3	2.1	0.0	6.1	0.0	2.3	0.0	3.9	3.1	19.3	16.3	3.3	0.0	2.9	0.0	1.6	0.0	1.3
29	15.4	1.2	0.0	0.8	0.0	1.1	0.0	1.9	0.0	4.6	2.1	2.0	6.3	3.7	2.6	10.0	0.0	2.2	0.0	2.7	24.6	2.7	0.0	1.2
30	13.4	1.2			39.4	1.6	0.0	1.8	10.9	4.1	29.3	4.5	1.1	3.5	12.6	8.7	0.0	1.9	0.0	2.5	0.0	2.5	0.0	1.2
31	1.6	1.5			0.0	2.6			3.5	3.9			13.8	4.1	7.2	7.5			0.3	2.4			0.0	1.2
total	88.5	33.4	21.7	25.1	146.5	38.5	153.5	n/a	249.8	107.5	199.2	120.8	294.5	160.7	301.1	170.2	75.1	91.7	230.9	120.1	90.0	57.0	53.4	44.6

SHIRASAKA

1981

unit: mm/day

annual precipitation: 1779.2

annual runoff:

981.0

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	1.1	2.4	0.9	0.0	1.3	8.3	3.2	1.8	4.2	9.5	2.2	8.8	3.5	1.2	1.4	0.0	2.0	9.5	3.9	0.0	2.2	0.0	1.4
2	4.2	1.1	3.5	1.0	3.1	1.2	35.2	4.3	0.0	2.9	1.0	2.2	5.0	3.0	0.0	1.3	0.3	1.7	13.2	4.3	6.5	2.1	1.4	1.4
3	0.0	1.2	0.0	0.9	0.0	1.2	0.4	6.4	0.0	2.6	0.0	1.9	35.5	5.8	0.0	1.2	24.2	2.6	0.0	3.5	25.4	4.0	0.0	1.4
4	1.3	1.0	0.0	0.9	18.6	2.0	0.0	4.1	7.9	2.7	0.0	1.8	18.7	7.5	0.0	1.2	39.6	6.9	0.0	3.0	0.0	3.0	0.0	1.3
5	2.9	1.1	0.0	0.8	0.0	2.3	6.5	3.8	0.0	2.4	1.2	1.8	0.5	6.7	0.4	1.1	53.9	24.2	0.0	2.9	0.0	2.5	0.0	1.3
6	2.2	1.1	0.0	0.8	0.0	1.7	17.8	4.7	7.0	2.2	0.0	1.7	0.0	5.1	0.0	1.0	0.0	7.3	19.9	3.9	14.6	2.7	0.0	1.3
7	1.6	1.1	0.0	0.8	0.0	1.6	0.0	4.0	4.3	2.6	0.0	1.6	3.3	4.1	0.0	1.0	0.0	4.6	0.0	3.1	7.1	3.2	0.0	1.3
8	2.1	1.1	0.0	0.8	0.0	1.4	0.0	3.4	24.1	4.2	0.0	1.6	0.0	3.6	0.0	1.0	0.0	3.6	9.0	2.8	0.0	2.7	0.0	1.3
9	0.0	1.0	0.3	0.8	0.4	1.4	0.0	3.2	0.0	3.1	0.0	1.5	2.0	3.2	5.8	1.2	11.8	3.5	98.7	17.6	0.0	2.5	0.0	1.2
10	0.0	1.0	0.0	0.8	6.9	1.5	8.3	3.2	0.5	2.6	0.0	1.5	0.0	2.9	0.0	1.1	0.4	3.0	2.0	24.1	0.0	2.3	0.0	1.2
11	3.8	1.0	1.3	0.9	0.0	1.3	3.1	3.2	0.0	2.4	0.0	1.5	0.0	2.6	0.0	1.0	0.5	2.5	0.0	9.9	0.0	2.2	0.0	1.2
12	2.8	1.0	0.7	0.8	0.0	1.2	0.0	2.8	54.5	4.6	4.6	1.5	29.7	3.4	9.1	1.0	10.3	2.5	0.0	7.4	0.0	2.1	1.8	1.2
13	2.0	1.0	0.1	0.8	0.0	1.2	4.4	2.7	4.9	10.8	6.4	1.7	11.5	5.7	0.0	1.2	9.9	3.6	0.0	5.7	0.0	1.9	0.4	1.2
14	4.4	1.0	1.6	0.9	3.3	1.2	0.0	2.5	0.0	5.0	20.0	2.1	0.0	3.5	1.1	1.0	0.0	2.7	13.0	5.2	0.0	1.9	0.0	1.1
15	0.5	1.0	0.0	0.9	20.9	2.0	0.0	2.3	0.0	4.0	8.5	2.8	11.2	4.1	12.3	1.4	0.0	2.2	0.0	4.8	0.0	1.9	0.2	1.1
16	0.0	1.0	0.4	0.9	0.2	1.9	26.5	2.9	0.0	3.5	3.2	2.1	0.0	3.3	0.0	1.1	0.0	2.0	0.0	4.1	0.8	1.8	0.1	1.1
17	0.0	0.9	26.9	1.3	0.0	1.6	6.5	4.5	0.3	3.2	0.0	1.8	3.3	3.0	0.8	0.9	0.0	1.8	0.0	3.8	0.0	1.7	0.0	1.1
18	0.0	0.9	0.8	2.0	0.0	1.4	0.0	3.1	45.3	7.1	0.0	1.6	0.0	2.6	0.0	0.9	0.0	1.7	0.0	3.5	0.0	1.7	0.0	1.0
19	0.0	0.9	7.7	1.4	0.0	1.4	0.0	2.8	0.0	5.0	3.9	1.7	0.0	2.4	0.0	0.9	0.0	1.6	0.0	3.3	0.0	1.6	0.0	1.0
20	0.0	0.9	0.0	1.3	5.1	1.4	23.8	3.8	0.0	4.0	0.0	1.5	2.1	2.4	0.0	0.8	73.9	10.0	0.0	3.0	0.0	1.6	13.7	1.5
21	0.0	0.9	1.6	1.2	0.0	1.3	0.1	3.5	0.0	3.5	2.0	1.5	6.1	2.4	0.0	0.8	3.4	6.5	0.0	2.9	0.6	1.5	1.7	1.3
22	0.7	0.9	0.0	1.1	2.4	2.2	0.0	2.9	0.0	3.2	12.0	1.8	4.7	2.3	0.0	0.8	0.0	4.2	7.7	2.8	0.0	1.5	0.0	1.1
23	0.0	0.9	6.5	1.1	0.0	2.0	0.0	2.7	0.0	2.9	39.4	3.5	0.0	2.1	83.4	8.0	0.0	3.4	16.5	3.9	0.0	1.5	0.0	1.1
24	0.0	0.9	19.4	2.4	0.0	1.6	0.0	2.5	0.0	2.7	0.0	5.0	0.1	2.0	0.0	4.2	0.0	2.9	0.0	2.9	10.2	1.8	0.0	1.0
25	11.5	1.3	1.9	1.9	38.8	2.6	3.6	2.4	14.7	3.2	0.0	2.7	0.0	1.9	0.0	1.9	4.6	2.6	0.0	2.7	0.0	1.6	0.0	1.0
26	0.0	1.2	3.3	1.6	61.8	22.2	9.8	2.9	0.0	2.7	26.7	4.1	0.0	1.8	10.8	1.8	74.1	20.9	0.0	2.5	13.0	1.7	0.0	1.0
27	0.0	1.0	7.4	1.4	0.0	8.8	0.0	2.3	0.0	2.4	1.5	3.4	0.0	1.6	7.3	2.0	2.0	8.0	0.0	2.3	0.6	1.8	0.0	1.0
28	0.0	0.9	1.5	1.3	0.0	5.4	0.0	2.2	0.0	2.2	29.3	3.5	0.0	1.5	30.4	2.1	0.0	5.7	0.0	2.2	3.2	1.7	0.0	1.0
29	0.0	0.9			0.0	4.2	0.0	2.1	14.4	2.7	0.2	6.0	0.0	1.5	16.5	5.7	0.0	4.5	6.5	2.2	0.0	1.5	0.3	1.0
30	0.0	0.9			0.0	3.5	37.7	3.3	0.0	2.4	1.1	3.6	0.0	1.5	3.9	3.2	0.0	4.0	10.2	3.1	0.0	1.5	2.0	1.0
31	0.0	0.9			4.0	3.1			0.0	2.1			0.0	1.4	0.0	2.4			0.0	2.3			0.0	1.0
total	40.0	31.1	87.3	31.7	165.5	87.1	192.0	97.7	179.7	109.1	170.5	71.2	142.5	98.4	183.0	54.6	308.9	152.7	206.2	149.6	82.0	61.7	21.6	36.1

SHIRASAKA

1982

unit: mm/day

annual precipitation: 2044.1

annual runoff: 1172.2

1172.2

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	1.4	0.7	8.3	0.9	0.5	3.1	6.3	2.1	46.3	2.9	0.4	1.7	19.7	4.3	0.0	3.9	0.0	3.8	0.4	1.3	0.0	2.6
2	0.0	0.9	0.0	0.7	1.2	0.9	0.4	1.8	5.1	1.9	4.0	2.9	0.0	1.6	77.7	20.0	2.0	3.6	2.5	3.6	0.6	1.3	0.0	1.8
3	0.0	0.9	0.0	0.7	0.0	0.8	17.4	1.8	13.1	2.7	61.3	7.3	0.0	1.5	60.3	28.7	0.0	3.3	16.9	4.6	0.0	1.2	0.0	1.6
4	0.0	0.9	0.1	0.7	0.0	0.7	15.2	4.1	30.2	5.4	5.2	11.1	0.0	1.4	13.7	27.5	0.0	3.1	0.0	3.7	0.2	1.3	0.0	1.5
5	15.6	1.2	6.8	0.8	43.9	1.9	0.0	2.7	0.0	4.0	0.0	4.2	0.2	1.4	0.0	13.4	0.0	2.8	0.0	3.3	0.0	1.2	0.0	1.5
6	0.0	1.2	0.0	0.7	10.6	5.5	0.0	2.2	0.0	2.9	0.0	3.1	0.0	1.3	0.0	9.3	0.6	2.7	0.2	3.2	4.6	1.3	6.8	1.6
7	0.0	1.0	0.1	0.6	0.0	2.5	1.7	2.0	32.9	4.5	0.0	2.6	11.0	1.5	0.0	7.4	5.0	2.9	0.1	3.0	5.7	1.3	0.0	1.4
8	0.0	0.9	0.0	0.6	0.0	1.7	38.3	3.7	0.0	4.4	0.2	2.3	2.2	1.6	3.1	6.2	0.0	2.6	5.3	2.9	10.7	1.7	0.0	1.4
9	0.0	0.9	0.0	0.6	0.0	1.5	0.0	5.0	0.0	3.3	0.0	2.1	32.9	2.4	56.8	15.9	39.4	5.5	0.3	2.9	0.3	1.4	0.0	1.3
10	0.8	0.9	0.0	0.6	0.0	1.3	29.2	7.3	0.0	2.8	0.0	1.8	0.1	2.8	5.5	9.7	67.5	11.8	3.0	2.8	10.0	1.5	0.0	1.3
11	0.0	0.9	0.0	0.6	0.0	1.2	0.0	5.1	0.0	2.6	0.0	1.7	0.0	1.9	6.2	8.8	4.7	9.6	0.0	2.6	62.9	7.3	0.8	1.2
12	0.0	0.9	0.0	0.6	0.0	1.1	0.0	3.9	0.0	2.3	0.0	1.6	40.4	5.8	15.2	9.1	110.0	30.0	0.2	2.5	3.3	6.1	8.0	1.5
13	0.6	0.9	0.0	0.6	10.1	1.3	0.0	3.3	0.0	2.1	0.0	1.5	0.1	4.4	23.1	9.8	51.4	46.5	0.0	2.4	0.1	3.1	0.0	1.3
14	0.0	0.9	0.0	0.6	0.0	1.2	5.1	3.1	11.1	2.2	25.3	2.3	0.5	3.0	0.0	8.0	0.0	17.0	0.0	2.2	0.0	2.4	0.0	1.2
15	0.0	0.8	0.0	0.6	3.8	1.1	33.9	3.5	2.7	2.5	12.8	3.4	23.3	3.8	0.0	6.6	0.0	11.2	0.0	2.2	0.0	2.1	0.0	1.2
16	0.0	0.9	0.0	0.6	34.8	3.6	23.2	11.6	0.0	2.0	0.0	2.0	0.0	3.3	12.8	6.1	0.0	9.0	0.5	2.1	7.1	2.1	0.0	1.2
17	0.4	0.8	0.0	0.6	0.0	2.7	0.4	5.7	0.0	1.9	0.0	1.7	19.4	3.5	26.3	11.2	0.0	7.6	0.0	2.0	3.1	2.0	3.2	1.2
18	0.0	0.8	13.0	0.7	4.7	2.0	0.0	4.4	0.0	1.8	4.4	1.7	1.5	3.8	0.4	7.8	0.0	6.6	0.0	1.9	0.1	1.9	1.1	1.2
19	1.1	0.8	0.0	0.7	0.0	1.7	0.0	3.8	0.0	1.7	6.2	1.8	3.3	3.1	0.0	6.4	0.7	6.0	0.0	1.9	0.0	1.7	0.0	1.1
20	4.0	0.8	35.5	1.5	16.4	1.8	0.0	3.2	2.6	1.6	0.1	1.6	12.2	3.9	22.3	7.4	44.3	9.6	20.5	2.5	0.0	1.6	0.0	1.1
21	0.0	0.8	0.0	2.1	18.2	2.4	0.0	2.9	3.2	1.7	2.5	1.6	0.0	3.2	4.6	8.3	17.0	10.7	0.0	2.1	0.0	1.5	0.0	1.1
22	0.0	0.8	0.2	1.2	1.9	3.7	16.3	3.3	0.0	1.5	18.8	2.7	0.0	2.8	0.0	6.5	0.0	7.9	0.0	1.9	0.0	1.5	0.6	1.1
23	2.1	0.8	0.0	1.0	0.0	2.5	0.0	2.8	0.0	1.5	0.0	1.9	0.0	2.5	0.0	5.6	2.5	6.4	0.0	1.8	12.1	1.8	4.2	1.2
24	0.1	0.8	0.0	0.9	0.1	2.1	0.0	2.6	0.0	1.4	0.0	1.7	0.5	2.2	0.0	4.9	10.8	6.6	0.0	1.7	0.0	1.6	0.1	1.1
25	0.0	0.8	0.0	0.8	0.0	1.8	0.0	2.5	0.0	1.3	0.2	1.5	11.2	2.5	0.0	4.5	4.9	6.0	0.0	1.6	0.2	1.4	0.0	1.0
26	0.0	0.7	0.0	0.8	0.0	1.7	0.0	2.4	0.0	1.3	0.2	1.5	30.6	4.2	0.0	4.1	7.0	5.6	0.0	1.5	0.0	1.4	5.5	1.0
27	0.0	0.8	0.0	0.7	0.0	1.5	0.0	2.2	0.0	1.4	47.8	5.7	9.0	4.1	1.0	3.8	0.5	5.2	0.0	1.5	0.0	1.3	12.8	1.8
28	0.1	0.8	0.0	0.7	0.0	1.4	0.6	2.1	0.0	1.3	0.0	3.1	13.5	4.3	48.7	7.5	0.0	4.7	0.0	1.5	0.0	1.3	0.0	1.2
29	0.0	0.7			0.0	1.4	0.0	2.0	0.0	1.2	0.0	2.3	0.8	4.7	2.8	6.4	0.0	4.3	0.0	1.4	0.0	1.3	0.0	1.1
30	0.0	0.7			0.0	1.3	0.5	1.9	0.0	1.1	0.0	1.9	17.5	4.3	0.8	4.8	0.0	3.9	0.0	1.4	31.5	2.3	0.0	1.1
31	0.0	0.7			32.0	1.5			2.1	1.2			0.0	4.1	2.7	4.4			0.0	1.4			0.8	1.1
total	24.8	26.7	57.1	22.0	186.0	56.7	182.7	106.0	109.3	69.6	235.3	83.5	230.6	92.6	403.7	284.4	368.3	256.6	49.5	73.9	152.9	59.2	43.9	41.0

SHIRASAKA

1983

unit: mm/day

annual precipitation: 1918.7

annual runoff: 1108.3

1108.3

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	1.0	0.0	0.9	0.0	0.7	0.1	1.3	0.0	2.2	0.0	1.8	0.0	3.4	0.1	4.2	0.0	1.5	7.8	8.4	0.0	2.1	1.1	1.1
2	0.0	1.0	4.1	1.0	16.7	0.8	12.5	1.6	14.6	2.6	0.0	1.6	0.0	3.0	0.7	3.9	9.7	2.0	0.0	5.8	0.0	2.0	0.0	1.0
3	0.0	0.9	6.5	1.3	13.0	2.0	0.9	1.5	0.0	2.3	0.0	1.5	49.9	7.1	0.0	3.5	0.1	1.8	0.0	4.6	0.0	1.9	0.0	1.0
4	0.0	0.9	0.0	0.8	0.0	1.2	0.4	1.5	0.0	2.1	0.0	1.5	0.3	7.1	0.0	3.1	0.0	1.6	0.0	4.0	0.0	1.9	0.0	1.0
5	0.0	1.0	0.0	0.8	0.0	1.0	0.0	1.2	0.0	1.9	0.0	1.4	26.1	5.0	0.0	2.9	0.0	1.5	8.8	3.9	0.0	1.8	0.0	1.0
6	9.7	1.2	0.0	0.7	0.0	0.9	0.0	1.1	0.0	1.8	0.0	1.4	22.3	15.1	0.0	2.8	0.0	1.4	0.0	3.4	3.0	1.9	1.8	1.0
7	0.0	1.1	4.5	0.8	0.1	0.9	0.0	1.1	46.9	3.7	0.3	1.4	0.0	7.1	0.0	2.6	0.0	1.3	0.0	3.0	0.0	1.8	0.0	0.9
8	5.2	1.0	0.1	0.8	0.1	0.9	6.9	1.2	0.3	5.3	0.0	1.3	2.8	5.6	0.0	2.5	5.1	1.4	0.2	2.7	0.0	1.7	0.0	0.9
9	0.3	1.1	0.0	0.7	0.0	0.8	0.0	1.1	0.0	3.1	0.0	1.3	18.9	6.8	0.0	2.3	5.8	1.5	71.2	10.9	0.0	1.6	0.0	0.9
10	0.0	1.0	0.3	0.7	4.1	0.8	3.1	1.1	0.0	2.5	0.0	1.2	0.0	5.3	20.2	3.1	0.0	1.3	0.1	9.8	0.3	1.6	0.0	0.9
11	0.5	1.0	0.0	0.7	9.4	1.1	36.2	3.4	0.0	2.3	0.0	1.1	0.3	4.6	0.0	2.4	1.1	1.2	10.4	5.9	0.3	1.5	1.3	0.9
12	0.0	1.0	0.3	0.7	0.0	0.9	2.1	2.5	0.0	2.1	0.0	1.1	0.0	4.2	0.0	2.2	1.1	1.3	0.0	4.9	0.0	1.5	0.0	0.9
13	0.0	0.9	0.1	0.7	12.3	1.1	0.1	1.9	0.0	1.9	82.1	8.1	0.0	3.7	0.0	2.1	3.3	1.2	0.0	4.3	0.3	1.4	0.0	0.9
14	1.0	0.9	0.0	0.7	12.2	1.9	0.0	1.7	0.0	1.8	0.4	5.2	0.0	3.4	0.0	2.0	0.0	1.1	6.7	3.9	0.0	1.4	0.1	0.9
15	0.0	0.9	0.0	0.6	0.1	1.3	12.8	1.7	0.0	1.7	0.0	2.4	11.1	3.4	0.0	1.9	0.8	1.1	0.0	3.5	0.0	1.4	0.0	0.9
16	0.0	0.9	0.0	0.7	0.0	1.2	26.8	3.7	32.0	2.4	16.1	2.4	70.0	16.6	28.3	2.7	0.1	1.1	21.3	4.4	0.0	1.4	0.0	0.8
17	0.0	0.9	0.2	0.7	17.2	1.4	25.4	5.1	87.8	26.5	6.3	2.5	10.7	10.5	27.9	4.9	0.0	1.0	0.1	4.2	0.0	1.4	0.0	0.8
18	4.5	0.9	16.3	1.1	1.2	1.7	11.0	7.9	0.0	10.1	6.7	2.3	52.1	17.8	40.8	9.1	0.0	0.9	0.0	3.5	0.0	1.3	1.1	0.8
19	3.1	1.0	1.5	0.9	0.0	1.3	0.2	4.8	0.0	5.9	2.6	2.5	0.0	14.3	0.0	4.5	0.1	1.0	0.0	3.1	0.4	1.3	0.0	0.8
20	0.0	0.9	0.0	0.8	0.0	1.2	29.8	6.7	0.0	4.6	6.2	2.0	0.0	8.9	0.0	3.2	20.0	1.2	12.5	3.5	0.0	1.3	0.9	0.8
21	0.1	0.9	0.5	0.7	0.5	1.1	0.0	5.8	0.0	3.9	144.2	42.5	23.3	8.3	5.4	2.8	11.0	2.0	0.0	3.1	0.0	1.2	0.0	0.8
22	0.1	0.8	0.0	0.7	5.9	1.2	6.1	4.6	0.0	3.4	0.0	23.4	11.2	10.6	1.9	2.8	6.0	1.5	0.0	2.9	0.0	1.2	0.0	0.8
23	0.0	0.8	0.0	0.7	0.1	1.1	7.4	4.7	0.0	3.1	0.0	8.1	10.7	7.7	0.1	2.5	0.9	1.3	0.0	2.7	0.0	1.2	9.3	1.0
24	0.0	0.8	12.4	0.8	31.6	2.7	0.0	3.8	0.0	2.8	8.5	5.8	0.9	7.2	2.4	2.2	0.7	1.2	0.0	2.5	13.5	1.5	0.0	0.9
25	0.0	0.8	0.2	1.0	0.1	2.4	0.0	3.3	0.0	2.6	1.7	4.9	14.7	8.0	0.8	2.2	4.6	1.3	0.0	2.3	0.0	1.4	0.0	0.8
26	0.0	0.8	0.0	0.8	0.0	1.8	0.0	2.9	0.0	2.4	0.0	4.0	0.4	6.5	0.0	2.1	4.2	1.3	0.0	2.2	0.0	1.4	0.0	0.8
27	0.0	0.8	0.0	0.7	1.5	1.6	0.9	2.7	0.0	2.2	2.5	3.5	0.0	5.5	0.0	2.0	22.2	1.7	30.1	3.7	1.0	1.2	0.0	0.7
28	0.0	0.8	0.0	0.7	0.0	1.5	0.8	2.6	0.0	2.1	0.0	3.3	0.0	4.9	0.0	1.8	67.3	9.9	0.0	3.3	0.0	1.1	0.0	0.7
29	0.0	0.8			0.0	1.4	0.4	2.4	2.5	2.1	38.7	4.4	0.0	4.4	0.6	1.8	170.8	90.7	0.0	2.7	0.0	1.0	0.1	0.7
30	0.1	0.9			7.2	1.4	7.2	2.5	0.3	2.0	0.0	4.1	0.0	4.0	0.0	1.8	0.2	14.9	0.0	2.4	0.4	1.1	0.0	0.7
31	0.7	0.9			1.2	1.4			0.0	1.9			26.0	5.4	0.0	1.6			0.0	2.2			0.0	0.7
total	25.3	28.6	47.0	22.2	134.5	40.7	191.1	87.4	184.4	115.3	316.3	148.0	351.7	225.4	129.2	89.5	335.1	152.2	169.2	127.7	19.2	44.5	15.7	26.8

SHIRASAKA

1984

unit: mm/day

annual precipitation: 1358.0

annual runoff: 566.7

566.7

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	0.0	0.7	13.9	1.1	0.0	1.1	9.2	1.0	0.7	1.2	14.2	1.2	0.0	5.1	0.0	2.0	0.0	0.9	0.0	0.6	0.0	0.4	0.0	0.5
2	0.0	0.7	0.0	0.8	0.0	0.9	0.5	1.2	44.2	3.1	0.0	1.0	0.0	4.3	0.0	1.9	0.0	0.9	0.0	0.6	0.0	0.4	3.9	0.5
3	0.0	0.7	0.0	0.7	0.0	0.9	0.0	0.9	0.0	2.5	0.0	0.9	0.0	3.7	0.0	1.8	0.0	0.8	1.9	0.6	0.0	0.4	0.8	0.5
4	3.3	0.8	0.0	0.6	0.0	0.9	0.2	0.9	0.0	1.9	2.7	0.9	0.0	3.3	0.0	1.7	0.0	0.8	5.6	0.7	0.0	0.4	0.0	0.5
5	0.0	0.7	0.0	0.6	0.0	0.8	16.4	1.2	0.0	1.6	0.0	0.8	0.0	2.9	0.0	1.7	0.7	0.8	0.6	0.6	0.0	0.3	0.0	0.5
6	1.3	0.7	0.0	0.6	0.0	0.8	10.5	1.8	0.0	1.5	0.3	0.9	0.0	2.6	0.0	1.6	0.0	0.7	0.0	0.5	0.0	0.4	0.8	0.4
7	0.0	0.7	0.0	0.6	0.0	0.7	0.0	1.4	0.0	1.5	0.0	0.9	0.0	2.4	0.0	1.5	0.0	0.7	0.0	0.5	0.0	0.3	0.0	0.4
8	0.0	0.7	3.5	0.6	0.0	0.7	0.0	1.2	0.0	1.3	3.0	0.9	94.5	12.4	0.0	1.4	3.8	0.7	0.0	0.5	0.0	0.4	0.0	0.4
9	0.0	0.6	5.0	0.6	0.0	0.7	0.0	1.1	0.0	1.2	5.7	0.9	20.6	19.8	0.0	1.4	10.5	1.0	0.0	0.5	0.0	0.4	0.0	0.4
10	0.0	0.6	6.2	0.6	2.6	0.7	0.4	1.0	0.0	1.2	32.5	1.3	0.0	8.1	18.3	2.0	16.4	1.7	0.0	0.5	0.0	0.4	0.0	0.4
11	0.6	0.7	0.0	0.6	9.8	0.9	0.1	1.0	0.0	1.0	53.1	11.9	0.0	5.7	0.0	1.6	0.0	1.1	0.0	0.5	17.1	0.4	0.5	0.4
12	0.0	0.6	0.0	0.6	0.0	0.7	0.0	0.9	0.0	1.0	0.2	3.6	0.0	4.7	0.0	1.4	0.0	0.9	1.5	0.5	3.3	0.8	15.9	0.8
13	0.1	0.6	3.1	0.6	0.4	0.7	0.0	0.9	0.0	1.0	0.5	2.6	0.0	4.1	1.2	1.2	0.0	0.8	0.3	0.5	0.0	0.5	0.0	0.6
14	0.0	0.6	0.0	0.7	0.0	0.7	0.0	0.9	32.7	2.1	0.0	2.1	31.0	5.5	23.4	2.1	13.2	1.0	0.0	0.4	0.0	0.4	0.4	0.5
15	0.0	0.6	0.0	0.6	2.9	0.7	0.0	0.8	0.3	1.7	4.4	1.9	3.3	5.1	0.0	1.5	0.1	1.0	0.0	0.4	3.9	0.4	0.4	0.5
16	2.6	0.6	0.6	0.6	15.8	0.8	13.0	1.1	0.0	1.4	0.9	1.8	1.4	4.0	0.0	1.3	15.6	1.4	0.0	0.4	35.5	2.4	0.0	0.4
17	0.6	0.6	0.0	0.6	11.4	1.8	2.7	1.1	29.7	2.6	0.0	1.6	1.7	3.8	0.0	1.2	0.0	1.2	17.1	0.7	0.8	1.2	22.3	1.0
18	0.0	0.6	15.6	0.6	0.9	1.3	0.1	0.9	0.0	2.3	32.1	3.2	2.0	3.5	0.0	1.1	0.3	1.0	4.2	0.9	0.0	0.9	0.4	0.8
19	0.0	0.6	0.0	0.6	0.5	1.1	0.0	0.9	0.0	1.8	0.6	2.4	0.1	3.3	0.0	1.1	10.6	1.3	0.0	0.6	0.0	0.7	6.9	0.9
20	3.2	0.6	0.0	0.6	21.3	1.8	78.7	11.7	1.8	1.6	24.8	2.8	0.0	2.9	0.0	1.0	0.8	1.0	9.0	0.7	11.5	0.8	0.0	0.7
21	0.0	0.6	0.0	0.5	0.2	1.8	0.0	5.2	4.9	1.7	0.6	3.5	63.3	8.5	2.8	1.0	0.3	1.0	6.5	0.8	0.0	0.8	0.0	0.6
22	6.6	0.6	0.0	0.6	0.0	1.4	1.0	3.2	0.0	1.5	0.0	2.6	5.3	5.5	49.4	4.2	0.0	0.9	0.0	0.6	0.0	0.7	0.0	0.6
23	0.1	0.8	8.0	0.6	0.0	1.2	0.5	2.6	0.0	1.4	28.4	2.9	0.0	4.3	1.4	2.5	0.0	0.8	0.0	0.5	0.0	0.6	0.0	0.7
24	0.0	0.6	15.0	1.9	0.0	1.1	0.0	2.1	0.0	1.3	0.2	4.5	0.0	3.6	0.0	1.9	0.0	0.8	0.0	0.5	0.4	0.6	0.0	0.5
25	0.0	0.6	0.0	1.1	15.8	1.6	0.0	1.8	0.0	1.2	10.1	3.3	0.0	3.3	0.0	1.5	0.0	0.8	0.0	0.5	1.1	0.6	8.6	0.5
26	2.6	0.6	5.0	1.0	0.0	1.3	0.0	1.7	0.0	1.1	6.6	3.8	0.0	2.9	0.0	1.4	0.0	0.8	0.0	0.5	0.0	0.5	1.5	0.5
27	4.6	0.6	20.1	3.1	0.0	1.1	0.0	1.6	0.0	1.1	78.2	18.8	0.6	2.9	0.0	1.2	0.0	0.7	0.0	0.5	0.0	0.5	0.1	0.5
28	1.0	0.6	0.2	1.7	0.0	1.1	0.0	1.5	0.0	1.0	0.0	15.7	0.0	2.6	1.1	1.2	0.0	0.6	0.0	0.4	0.0	0.5	0.1	0.5
29	0.1	0.6	0.1	1.2	0.0	1.0	0.0	1.4	5.1	1.0	14.5	8.3	1.0	2.5	0.0	1.1	0.0	0.6	0.0	0.4	0.0	0.5	0.1	0.5
30	0.0	0.6			0.0	1.0	0.0	1.3	2.8	1.1	0.0	6.6	0.0	2.3	1.9	1.1	0.0	0.6	0.0	0.4	0.0	0.5	1.2	0.5
31	3.4	0.5			0.0	0.9			0.0	1.0			0.0	2.1	0.0	1.0			0.0	0.4			0.1	0.5
total	30.1	19.7	96.3	24.6	81.6	32.2	133.3	54.3	122.2	46.9	313.6	113.6	224.8	147.7	99.5	48.6	72.3	27.3	46.7	16.7	73.6	18.1	64.0	17.0

SHIRASAKA

1985

unit: mm/day

annual precipitation: 1956.7

annual runoff: 1066.1

1066.1

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	0.5	0.0	0.4	19.8	1.4	0.0	2.5	0.0	2.2	0.0	4.3	120.0	92.6	0.0	1.7	3.7	0.7	0.0	2.0	12.6	0.9	0.0	0.7
2	0.0	0.5	0.5	0.4	0.2	1.4	0.0	2.3	0.0	2.0	0.0	3.9	1.6	27.8	0.0	1.7	0.2	0.7	0.0	1.6	3.6	1.4	0.0	0.7
3	3.3	0.5	0.0	0.4	4.7	1.2	0.0	2.0	0.0	1.9	0.0	3.5	17.7	17.4	0.0	1.5	0.0	0.6	0.0	1.4	0.0	0.9	0.0	0.7
4	0.8	0.5	0.0	0.4	0.0	1.1	25.3	2.2	0.0	1.8	0.0	3.3	32.5	23.7	0.0	1.4	0.0	0.6	0.0	1.3	0.0	0.8	0.0	0.7
5	0.0	0.5	0.0	0.4	0.0	0.9	20.5	5.5	0.0	1.7	0.0	3.1	1.6	16.0	0.0	1.4	104.0	21.8	0.1	1.3	0.0	0.7	4.4	0.7
6	0.2	0.5	2.4	0.4	0.0	0.9	0.0	3.1	9.1	1.7	0.0	2.9	0.4	12.4	0.4	1.3	0.0	3.3	7.6	1.3	25.9	1.1	0.0	0.7
7	0.4	0.5	0.0	0.4	0.0	0.8	0.0	2.6	11.8	2.4	0.0	2.7	0.9	10.2	10.8	1.6	0.5	2.0	6.0	1.4	22.5	3.0	14.2	1.0
8	0.0	0.4	0.0	0.4	0.0	0.8	28.0	3.9	1.7	2.0	9.5	2.6	3.0	9.0	17.8	2.5	5.1	1.9	0.5	1.2	1.6	2.0	0.0	0.8
9	0.0	0.4	16.5	0.5	44.6	2.5	0.0	3.6	0.0	1.8	0.1	2.7	3.7	7.9	2.8	1.8	0.0	1.4	0.0	1.1	0.0	1.5	2.2	0.8
10	0.5	0.4	29.6	2.3	2.7	3.6	0.0	3.0	0.0	1.6	0.0	2.4	0.0	7.2	0.0	1.5	0.0	1.2	0.0	1.0	1.5	1.2	0.0	0.7
11	0.5	0.4	0.0	1.2	0.7	2.1	0.0	2.6	9.4	1.8	1.0	2.3	24.0	7.8	1.6	1.4	0.0	1.1	0.0	1.0	0.5	1.1	0.0	0.7
12	0.0	0.4	0.0	0.9	15.1	2.4	46.6	5.6	0.0	1.6	13.3	2.6	1.0	7.2	8.7	1.4	3.0	1.2	0.0	1.0	0.0	1.0	0.0	0.7
13	0.0	0.4	0.0	0.7	0.0	2.0	13.6	8.1	0.0	1.5	2.2	2.3	0.5	6.0	5.1	1.8	2.3	1.1	0.2	0.9	0.0	1.0	0.0	0.7
14	0.2	0.4	0.0	0.7	1.6	1.7	3.9	5.7	68.9	4.8	16.5	2.9	9.8	5.9	0.0	1.4	0.0	1.0	12.4	1.2	0.0	0.9	0.0	0.7
15	0.1	0.4	0.0	0.6	0.8	1.5	0.0	4.5	16.8	16.0	6.5	2.6	0.0	5.1	0.0	1.2	0.0	0.9	0.0	1.0	0.0	0.9	0.0	0.7
16	0.0	0.4	0.0	0.6	0.0	1.3	12.9	4.5	0.0	5.4	0.0	2.4	0.0	4.5	0.4	1.2	0.1	0.9	0.0	0.9	1.4	0.9	0.0	0.6
17	0.0	0.4	0.0	0.6	0.0	1.2	0.0	3.9	0.0	3.8	0.0	2.2	0.0	4.0	0.0	1.1	3.2	0.9	9.3	1.0	0.0	0.9	0.0	0.6
18	0.0	0.4	0.0	0.5	27.7	2.4	0.0	3.5	0.0	3.2	0.6	2.0	0.0	3.7	0.0	1.1	1.9	0.9	0.0	1.0	0.0	0.8	1.0	0.6
19	0.0	0.4	2.4	0.6	9.9	2.1	0.0	3.1	0.0	2.8	7.8	2.1	0.0	3.5	7.6	1.1	2.5	0.9	0.0	0.9	0.0	0.8	0.2	0.6
20	7.8	0.4	30.1	1.7	13.0	3.2	20.9	3.2	56.2	5.2	50.4	6.2	0.0	3.2	0.3	1.0	0.0	0.9	0.0	0.8	0.0	0.8	0.0	0.6
21	0.0	0.5	2.4	1.2	14.6	2.8	0.0	3.4	50.6	25.8	0.0	5.7	0.0	3.1	0.0	1.0	0.1	0.7	0.0	0.9	0.0	0.7	0.0	0.6
22	0.0	0.4	1.0	1.0	1.7	3.1	0.0	2.8	0.0	11.3	32.2	5.7	1.2	2.9	0.8	1.0	9.7	0.8	0.0	0.9	0.0	0.7	0.0	0.6
23	0.0	0.4	0.5	0.9	0.0	2.4	28.5	4.0	0.0	7.2	12.0	7.5	0.0	2.8	0.5	1.0	7.7	1.1	0.0	0.8	13.5	1.0	2.3	0.6
24	0.0	0.4	0.9	0.8	0.0	2.1	0.0	4.2	1.8	5.6	29.3	6.8	0.4	2.6	0.0	0.9	53.2	4.9	0.0	0.7	1.3	0.9	0.0	0.6
25	0.0	0.4	1.9	0.7	0.0	1.9	0.0	3.2	59.9	9.9	49.9	12.2	0.0	2.5	0.0	0.8	19.3	5.4	0.0	0.7	4.9	0.9	0.0	0.6
26	0.0	0.4	0.0	0.7	42.3	3.4	0.0	2.8	13.6	18.3	46.5	34.2	0.0	2.4	0.0	0.8	2.1	3.6	0.0	0.6	0.7	0.8	0.0	0.5
27	0.0	0.4	0.0	0.6	5.5	5.6	13.9	2.8	0.0	9.8	0.0	15.6	0.0	2.2	0.0	0.8	0.0	2.5	4.3	0.8	0.1	0.8	0.0	0.5
28	11.8	0.5	9.0	0.7	23.2	8.2	2.0	3.0	1.6	7.4	22.3	10.3	0.0	2.1	0.0	0.7	2.8	1.9	0.0	0.7	0.0	0.7	0.0	0.5
29	0.1	0.5			0.0	4.9	0.0	2.6	3.8	6.3	0.2	9.6	0.0	2.0	0.0	0.7	14.7	2.2	0.0	0.6	4.8	0.8	0.0	0.6
30	0.2	0.4			0.1	3.6	0.0	2.3	0.6	5.5	81.5	14.3	0.0	1.9	0.0	0.7	6.5	2.6	15.4	0.9	0.0	0.7	0.2	0.5
31	0.0	0.4			0.0	3.0			0.0	4.8			0.0	1.8	0.0	0.7			0.3	0.9			8.5	0.7
total	25.9	13.4	97.2	20.7	228.2	75.5	216.1	106.5	305.8	177.1	381.8	180.9	218.3	301.4	56.8	38.2	242.6	69.7	56.1	31.8	94.9	30.6	33.0	20.3

SHIRASAKA

1986

unit: mm/day

annual precipitation: 1581.3

annual runoff: 815.2

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	0.0	0.5	4.1	0.5	0.0	1.8	0.0	2.1	0.0	3.1	0.2	11.4	0.0	4.0	0.0	0.9	2.5	0.7	0.0	0.4	0.0	0.4
2	0.0	0.5	0.0	0.5	0.0	0.5	0.0	1.6	13.1	2.1	0.0	2.7	0.0	6.7	0.8	3.8	0.0	0.9	11.8	1.1	0.5	0.4	0.0	0.4
3	0.0	0.5	0.0	0.5	0.1	0.4	0.0	1.4	9.7	2.8	0.0	2.4	32.1	9.8	1.4	3.6	42.1	2.3	0.0	0.8	0.0	0.4	0.0	0.4
4	1.8	0.5	0.0	0.5	0.0	0.4	5.4	1.3	29.5	4.6	0.0	2.2	0.0	8.6	9.8	3.5	0.0	2.3	0.0	0.7	7.2	0.5	0.0	0.4
5	16.5	1.1	0.0	0.5	0.0	0.4	30.1	3.8	0.0	5.0	0.0	2.1	0.5	5.9	6.8	4.0	0.0	1.3	0.0	0.7	0.0	0.5	0.0	0.3
6	0.0	0.7	1.9	0.5	0.0	0.4	0.0	2.8	0.0	3.6	0.1	2.0	47.4	12.0	0.0	3.1	0.0	1.1	0.0	0.7	0.0	0.4	0.0	0.3
7	0.0	0.6	0.0	0.5	0.0	0.4	0.0	2.1	29.6	5.6	2.2	2.0	0.1	9.4	0.0	2.8	0.2	1.1	0.0	0.7	0.0	0.4	1.1	0.3
8	0.0	0.6	0.0	0.5	0.0	0.5	0.0	1.8	0.0	4.6	1.9	1.9	0.8	7.1	0.0	2.6	0.0	1.0	2.9	0.7	0.0	0.4	0.0	0.3
9	0.1	0.6	0.1	0.5	0.0	0.5	0.0	1.6	0.0	3.6	0.0	1.7	0.0	5.9	0.0	2.5	0.0	1.0	0.0	0.6	0.0	0.4	0.0	0.3
10	0.0	0.6	0.0	0.5	8.5	0.5	45.7	2.7	0.0	3.2	0.0	1.6	46.8	8.1	0.0	2.3	3.6	1.0	0.0	0.6	16.9	0.7	0.0	0.3
11	0.0	0.5	0.0	0.4	5.5	0.8	13.3	9.6	0.2	2.8	0.0	1.5	14.1	15.1	0.0	2.2	2.3	1.0	6.6	0.6	1.4	0.5	7.1	0.4
12	0.0	0.5	0.0	0.4	9.7	0.8	2.2	4.6	0.7	2.6	0.0	1.4	16.7	10.5	0.9	2.1	0.0	0.9	0.7	0.7	0.0	0.4	0.0	0.4
13	0.0	0.5	0.0	0.4	0.0	0.6	0.0	3.5	0.0	2.4	0.0	1.4	43.1	11.0	9.8	2.1	7.2	1.1	2.0	0.6	0.0	0.4	0.0	0.3
14	0.3	0.5	0.0	0.4	0.7	0.6	0.0	2.8	0.0	2.2	0.0	1.3	5.5	20.1	0.8	2.3	0.0	1.0	0.0	0.6	4.2	0.5	0.1	0.3
15	0.0	0.5	1.8	0.4	18.6	1.1	0.0	2.4	49.6	5.6	0.0	1.3	10.9	11.6	0.0	1.9	1.0	0.9	0.0	0.6	0.0	0.5	29.1	0.9
16	0.0	0.5	0.0	0.4	0.0	0.9	27.6	3.6	0.0	4.0	0.0	1.2	34.8	12.4	0.0	1.8	8.2	1.0	0.0	0.5	0.0	0.5	0.0	1.0
17	0.0	0.5	0.0	0.4	0.0	0.7	0.0	2.9	4.7	3.2	17.2	1.7	2.8	15.8	10.6	1.9	2.7	1.1	0.0	0.5	0.0	0.4	0.0	0.6
18	0.0	0.5	0.0	0.4	0.0	0.6	0.0	2.4	0.0	2.7	74.2	10.6	22.2	12.2	0.0	1.9	29.4	2.4	0.0	0.5	0.0	0.4	0.0	0.5
19	0.0	0.5	32.0	1.1	6.7	0.7	18.8	2.5	0.0	2.5	0.0	5.5	0.0	10.6	0.0	1.7	2.8	1.6	0.0	0.5	0.0	0.4	43.3	2.6
20	0.0	0.5	0.0	0.9	9.7	1.0	0.8	3.0	49.5	6.7	1.5	3.2	2.5	8.4	0.0	1.6	1.2	1.3	0.0	0.5	0.0	0.4	0.0	2.1
21	0.0	0.5	0.0	0.6	0.0	0.7	0.6	2.4	2.2	6.9	0.7	2.5	6.8	7.7	0.0	1.5	1.6	1.2	0.0	0.4	0.0	0.4	0.0	1.1
22	0.0	0.5	0.0	0.6	0.0	0.7	0.0	2.2	0.0	4.5	6.4	2.6	53.2	11.6	0.0	1.5	0.3	1.1	12.8	0.6	0.0	0.4	0.0	0.9
23	1.4	0.5	0.0	0.5	42.1	1.2	20.0	2.9	0.0	3.7	0.8	2.2	11.4	19.2	0.0	1.4	0.0	1.0	0.1	0.7	0.0	0.4	0.0	0.8
24	1.2	0.5	0.0	0.5	25.0	7.9	0.0	2.5	0.0	3.2	35.1	4.3	0.0	11.6	1.1	1.4	0.0	0.9	0.0	0.6	0.0	0.4	0.0	0.7
25	0.3	0.5	0.0	0.5	0.0	3.1	0.0	2.2	0.0	2.9	2.3	3.9	0.0	9.1	0.0	1.4	0.0	0.9	0.8	0.5	10.5	0.5	0.0	0.6
26	0.6	0.5	0.0	0.5	0.0	2.1	0.0	2.1	0.0	2.6	4.3	3.3	0.0	7.6	0.0	1.2	0.0	0.9	0.0	0.5	0.0	0.5	1.5	0.6
27	1.7	0.5	0.0	0.5	0.0	1.6	0.0	1.9	0.0	2.4	0.0	2.8	0.0	6.6	0.0	1.2	0.0	0.8	1.6	0.5	0.0	0.4	0.0	0.6
28	0.0	0.5	0.1	0.5	0.0	1.4	17.2	2.3	0.0	2.2	0.0	2.5	0.0	5.9	2.7	1.1	0.0	0.8	0.0	0.4	0.0	0.4	11.3	0.7
29	0.0	0.5			30.3	3.0	10.3	2.9	0.4	2.1	21.4	2.7	0.0	5.2	0.1	1.2	0.0	0.7	0.0	0.4	0.0	0.4	0.8	0.6
30	0.0	0.5			0.0	2.2	0.0	2.4	48.4	4.8	69.6	16.9	0.0	4.8	0.0	1.1	0.0	0.7	5.0	0.5	0.0	0.4	0.0	0.6
31	0.0	0.5			9.5	2.1			2.0	4.1			0.0	4.4	0.0	1.0			0.0	0.4			0.6	0.5
total	23.9	16.8	35.9	14.4	170.5	38.3	192.0	82.0	239.6	111.3	237.7	94.5	351.9	306.3	44.8	65.7	102.6	34.2	46.8	18.4	40.7	13.1	94.9	20.2

SHIRASAKA

1987

unit: mm/day

annual precipitation: 1542.9

annual runoff: 663.1

663.1

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	3.2	0.6	0.0	0.6	0.5	0.5	0.0	1.7	0.8	0.9	0.0	3.1	0.0	1.6	4.0	1.6	3.5	1.1	8.4	1.4	0.0	1.2	0.0	0.6
2	0.0	0.5	0.0	0.6	0.1	0.5	0.0	1.6	8.5	1.1	0.0	2.8	0.9	1.5	0.4	1.5	0.0	0.9	0.1	1.2	0.8	0.9	0.2	0.6
3	22.4	1.1	16.3	0.6	0.0	0.5	1.0	1.5	3.0	1.0	16.8	2.9	17.4	1.5	1.1	1.5	15.0	1.2	0.0	1.1	7.3	1.1	0.2	0.5
4	0.0	1.1	0.0	0.6	0.0	0.5	0.0	1.4	2.1	1.0	29.0	6.7	15.3	3.3	0.0	1.4	1.3	1.2	0.0	0.9	11.8	1.2	0.0	0.6
5	0.0	0.8	0.0	0.6	0.0	0.5	0.0	1.2	0.0	0.9	0.0	3.9	11.7	2.4	2.8	1.4	0.2	1.0	0.0	0.9	0.4	1.2	0.1	0.5
6	11.0	0.9	0.0	0.6	0.0	0.5	0.0	1.2	0.0	0.8	0.0	3.2	0.0	2.2	36.3	3.5	1.8	1.0	3.0	0.9	0.0	1.0	3.7	0.5
7	0.0	0.8	0.0	0.6	0.0	0.4	12.3	1.2	0.0	0.8	0.0	2.8	5.2	2.0	0.0	2.1	0.0	0.9	1.8	1.0	0.0	0.9	0.0	0.6
8	1.1	0.8	0.0	0.6	20.9	0.6	10.5	1.7	0.0	0.8	0.0	2.7	0.0	1.8	0.0	1.7	0.0	0.9	0.0	0.9	2.3	0.9	0.0	0.5
9	0.0	0.7	0.0	0.6	2.8	0.8	0.0	1.3	0.0	0.7	0.2	2.3	0.0	1.6	0.2	1.6	0.6	0.9	0.0	0.9	0.0	0.8	0.3	0.5
10	0.0	0.6	0.0	0.6	0.0	0.7	13.5	1.5	0.0	0.7	29.8	4.2	0.0	1.5	0.0	1.4	0.0	0.9	0.0	0.7	0.0	0.7	2.2	0.5
11	0.2	0.6	0.0	0.6	12.0	0.8	2.5	1.7	0.0	0.7	0.0	3.0	0.0	1.4	0.0	1.3	5.2	1.0	0.0	0.7	0.0	0.7	0.0	0.5
12	0.0	0.6	0.0	0.6	0.0	1.0	0.0	1.4	0.0	0.7	0.0	2.6	0.7	1.3	3.8	1.4	0.0	0.8	1.2	0.7	0.0	0.7	0.0	0.5
13	19.1	0.8	4.5	0.6	0.0	0.8	0.0	1.2	24.6	1.1	0.0	2.3	3.6	1.3	0.0	1.2	21.2	1.4	0.0	0.7	6.1	0.8	2.4	0.5
14	0.0	0.7	0.0	0.5	20.8	1.6	0.0	1.2	116.9	22.5	0.2	2.2	2.6	1.5	0.3	1.2	0.0	1.1	0.0	0.7	0.0	0.7	0.0	0.5
15	0.0	0.6	0.0	0.5	2.7	1.3	0.0	1.1	34.0	26.4	17.5	3.1	10.4	1.7	17.6	1.6	0.0	0.9	0.0	0.7	3.0	0.7	0.0	0.5
16	0.0	0.6	0.0	0.5	0.0	1.1	0.0	1.0	0.0	8.6	8.6	3.1	1.3	1.4	0.0	1.2	0.0	0.9	2.9	0.7	0.0	0.7	0.0	0.5
17	1.1	0.6	0.0	0.5	0.0	1.0	0.0	1.0	4.5	5.4	0.0	2.6	4.7	1.4	0.0	1.1	0.0	0.8	10.7	0.8	0.0	0.7	0.4	0.5
18	0.3	0.6	18.4	0.8	10.4	1.1	0.0	0.9	21.3	6.6	0.0	2.3	22.6	2.0	3.9	1.1	0.0	0.7	5.3	1.0	0.0	0.6	0.0	0.5
19	0.0	0.6	0.0	0.8	0.0	0.9	0.0	0.9	0.0	4.8	0.0	2.1	19.3	2.5	1.9	1.1	0.0	0.7	0.0	0.7	2.6	0.7	0.0	0.5
20	0.0	0.5	0.0	0.6	53.8	5.6	0.0	0.9	0.0	3.8	9.6	2.0	66.3	16.7	0.0	0.9	0.0	0.7	2.9	0.8	0.0	0.6	0.0	0.5
21	0.0	0.5	0.0	0.6	0.0	5.1	0.0	0.9	0.0	3.2	8.2	2.5	0.2	8.2	0.0	0.9	0.0	0.7	0.0	0.7	0.0	0.6	0.3	0.5
22	0.0	0.5	0.0	0.6	0.0	2.5	20.2	1.4	0.6	2.8	0.0	2.0	0.0	4.9	0.0	0.9	0.0	0.7	0.0	0.6	0.0	0.6	0.0	0.5
23	0.9	0.5	2.2	0.6	9.0	2.2	0.0	1.3	96.8	12.3	0.0	1.8	0.0	3.8	28.6	0.9	0.0	0.6	0.0	0.6	0.0	0.6	0.0	0.4
24	21.6	1.1	0.0	0.5	70.9	9.9	0.0	1.0	46.0	43.8	0.0	1.7	0.0	3.1	29.4	6.9	0.0	0.6	3.2	0.6	0.0	0.6	0.0	0.4
25	0.0	1.1	1.8	0.5	5.9	14.7	0.0	0.9	0.0	12.4	0.0	1.7	0.0	2.7	0.0	2.1	89.4	9.0	23.8	1.4	0.0	0.5	0.0	0.4
26	0.0	0.8	5.1	0.5	0.0	5.6	7.0	0.9	0.0	8.0	0.0	1.6	0.0	2.4	4.0	1.7	3.2	5.1	0.0	1.0	0.0	0.5	0.0	0.4
27	0.0	0.7	3.0	0.5	0.0	3.7	15.4	1.5	1.2	6.3	0.0	1.5	0.0	2.1	0.0	1.5	4.0	2.5	10.2	1.1	0.0	0.5	0.0	0.4
28	0.0	0.7	0.0	0.5	0.0	3.0	0.0	1.2	2.6	5.3	1.7	1.5	0.0	1.9	0.0	1.3	0.0	1.7	0.0	0.9	17.6	0.9	0.0	0.4
29	0.0	0.6			0.0	2.4	0.0	1.1	0.0	4.4	7.2	1.6	0.0	1.8	0.4	1.3	0.0	1.5	0.0	0.8	0.0	0.7	0.0	0.4
30	0.0	0.6			0.7	2.1	0.0	1.0	0.0	3.8	9.7	1.8	0.0	1.7	0.0	1.1	0.4	1.4	0.0	0.7	0.0	0.6	0.0	0.4
31	0.0	0.6			1.8	1.9			0.0	3.5			0.0	1.5	0.0	1.1			16.5	1.0			0.2	0.4
total	80.9	21.8	51.3	16.3	212.3	73.8	82.4	36.8	362.9	195.1	138.5	77.6	182.2	84.7	134.7	49.5	145.8	42.8	90.0	26.8	51.9	22.9	10.0	15.0

SHIRASAKA

1988

unit: mm/day

annual precipitation: 2009.5

annual runoff: 1091.7

1091.7

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	0.0	0.4	0.0	0.4	9.0	0.5	0.0	1.3	0.0	1.6	0.0	1.5	11.3	13.9	0.0	3.5	0.0	2.4	4.2	6.4	0.0	1.6	0.0	1.1
2	0.0	0.4	0.0	0.4	8.6	0.9	1.3	1.2	0.0	1.4	2.0	1.4	0.0	9.4	0.0	3.2	0.0	2.3	0.0	5.4	0.0	1.6	0.0	1.1
3	0.0	0.4	4.9	0.3	0.3	0.7	0.0	1.1	0.0	1.3	97.0	10.3	0.0	7.1	0.0	3.0	0.0	2.2	0.0	4.9	0.0	1.6	0.0	1.1
4	0.0	0.4	9.7	0.4	0.0	0.6	0.0	1.0	3.4	1.2	43.2	24.9	2.4	6.0	11.2	3.3	0.8	2.1	0.0	4.5	0.0	1.5	0.0	1.1
5	7.7	0.5	0.0	0.4	0.0	0.5	0.0	1.0	4.7	1.3	0.0	11.1	0.0	5.2	4.4	3.3	5.2	2.0	0.3	4.2	10.2	1.6	8.9	1.2
6	0.0	0.4	2.0	0.5	0.0	0.5	6.1	1.0	0.0	1.1	0.0	6.7	0.0	4.6	0.0	2.8	12.8	2.4	33.0	5.5	0.2	1.7	0.1	1.1
7	0.0	0.4	2.3	0.6	0.0	0.4	1.2	0.9	0.0	1.1	0.0	4.9	0.0	4.1	0.0	2.6	10.5	2.6	32.1	11.7	0.0	1.7	0.0	1.0
8	7.1	0.5	3.7	0.5	0.0	0.4	41.3	2.4	36.1	2.9	0.0	4.0	0.0	3.8	0.0	2.5	0.0	2.3	0.0	6.6	0.0	1.7	0.0	1.0
9	0.2	0.5	0.0	0.5	0.4	0.4	0.2	2.6	0.0	2.0	56.3	7.0	0.0	3.5	0.0	2.4	0.0	2.0	0.0	5.4	0.0	1.4	0.0	1.0
10	3.6	0.4	0.3	0.4	0.4	0.5	0.0	1.8	0.0	1.6	7.3	10.4	0.0	3.2	5.6	2.5	0.0	1.8	0.0	4.6	0.0	1.4	2.5	1.0
11	0.6	0.4	0.0	0.4	0.0	0.4	0.0	1.5	0.2	1.4	0.0	6.0	15.6	3.8	12.4	2.7	4.4	1.9	0.0	4.1	0.0	1.3	0.0	0.9
12	0.0	0.4	0.5	0.4	53.8	2.6	0.0	1.4	34.9	2.1	5.4	4.7	5.6	3.6	13.7	2.9	39.9	4.7	0.1	3.9	0.0	1.3	0.0	0.9
13	0.0	0.4	0.0	0.4	0.8	2.9	93.8	6.3	1.8	3.6	0.6	4.4	0.0	2.9	14.5	3.9	0.0	4.2	0.6	3.7	0.0	1.3	0.0	0.9
14	0.0	0.4	0.0	0.4	0.0	1.5	11.0	22.2	0.0	2.2	0.0	3.7	6.2	2.8	8.8	3.1	0.0	2.7	0.0	3.4	0.0	1.3	0.0	0.9
15	0.0	0.4	0.0	0.4	14.5	1.5	0.0	6.2	2.9	1.9	0.0	3.4	29.7	3.8	2.0	2.8	0.0	2.3	0.0	3.2	0.3	1.2	0.1	0.9
16	1.6	0.4	0.5	0.4	0.0	1.4	0.0	4.1	18.6	2.6	0.0	3.0	67.2	12.9	13.1	2.9	0.0	2.1	0.0	3.0	0.0	1.2	0.0	0.9
17	0.0	0.4	0.0	0.4	6.7	1.2	0.0	3.2	0.0	2.1	0.0	2.8	0.0	11.9	29.4	6.3	0.0	1.9	0.0	2.9	0.6	1.1	5.0	0.9
18	0.0	0.3	0.0	0.4	13.5	1.6	0.0	2.6	0.0	1.8	0.5	2.6	0.3	6.4	0.7	4.6	2.2	1.8	10.0	3.0	6.4	1.2	0.9	1.0
19	0.4	0.4	1.1	0.4	0.0	1.4	19.1	2.8	0.0	1.6	0.0	2.5	3.0	5.3	15.1	4.4	0.0	1.7	1.1	2.9	0.7	1.2	0.0	1.1
20	0.0	0.4	0.0	0.3	0.0	1.2	0.0	2.6	0.0	1.5	0.0	2.2	0.3	4.6	21.5	4.9	0.5	1.6	0.0	2.6	0.0	1.1	1.0	0.9
21	0.0	0.4	0.0	0.4	0.2	1.0	0.0	2.1	9.5	1.6	0.0	2.1	2.6	4.2	17.0	5.9	68.5	13.3	1.7	2.5	0.0	1.1	0.0	0.9
22	14.9	0.7	0.0	0.3	18.3	1.2	3.1	2.0	1.5	1.5	0.5	2.1	0.6	3.8	0.0	4.5	2.1	4.4	0.2	2.5	0.0	1.1	0.0	0.8
23	0.1	0.5	1.0	0.3	10.7	2.2	0.5	1.9	38.6	3.4	0.0	2.0	0.0	3.5	9.2	4.1	2.8	3.4	0.0	2.3	0.0	1.0	0.0	0.8
24	0.0	0.5	3.8	0.4	0.0	1.7	0.0	1.7	0.0	3.2	13.6	1.9	32.0	5.0	0.0	3.5	18.3	3.5	0.0	2.2	44.4	2.6	0.0	0.8
25	0.0	0.4	0.0	0.4	0.0	1.4	0.0	1.5	0.0	2.3	59.0	7.0	9.6	5.9	22.5	6.5	139.1	27.5	4.5	2.2	0.0	2.7	0.0	0.8
26	0.0	0.4	0.0	0.3	10.9	1.4	0.0	1.4	0.5	2.2	3.2	6.1	0.0	5.0	0.0	4.6	83.6	88.6	0.0	2.1	0.0	1.8	0.0	0.8
27	0.0	0.4	12.2	0.4	23.2	3.4	0.0	1.4	0.0	1.8	2.8	3.9	0.0	4.3	1.1	3.9	0.5	17.5	0.0	2.0	0.0	1.6	0.0	0.7
28	0.0	0.4	10.5	0.7	0.0	2.2	0.0	1.3	14.7	1.9	46.3	15.7	9.0	4.2	0.0	3.4	0.6	10.8	0.0	1.9	0.0	1.8	0.2	0.7
29	0.0	0.4	0.0	0.5	0.7	1.9	6.8	1.3	0.0	2.2	25.3	13.4	12.9	4.5	0.0	3.1	0.0	8.3	0.0	1.8	0.0	1.3	0.0	0.7
30	0.0	0.4			0.0	1.6	22.7	2.3	1.0	1.7	34.8	11.5	1.3	4.6	0.0	2.8	1.3	7.0	0.0	1.8	0.0	1.2	0.0	0.7
31	0.0	0.4			1.3	1.5			0.0	1.5			0.0	4.0	0.0	2.5			0.0	1.8			0.0	0.7
total	36.2	13.1	52.5	12.0	173.3	40.6	207.1	84.1	168.4	59.6	397.8	183.2	209.6	167.8	202.2	112.4	393.1	231.3	87.8	115.0	62.8	44.2	18.7	28.4

SHIRASAKA

1989

unit: mm/day

annual precipitation: 2317.8

annual runoff: 1382.7

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	5.2	0.7	4.0	1.3	12.9	4.5	3.9	2.1	2.2	2.2	0.0	3.1	0.0	7.6	8.6	2.6	0.0	2.1	0.0	4.7	29.4	3.1	0.0	1.2
2	2.0	0.8	1.3	1.3	4.4	4.3	0.0	2.0	3.7	2.3	0.0	2.8	0.5	6.5	8.0	2.8	6.9	2.0	0.0	4.3	1.1	2.1	0.0	1.1
3	0.0	0.7	0.0	1.1	0.0	3.6	0.0	1.8	0.0	2.1	0.0	2.6	19.1	6.5	0.0	2.3	110.7	20.0	0.8	4.1	0.0	1.7	0.0	1.1
4	0.0	0.7	0.0	1.1	7.9	3.4	0.4	1.8	0.4	2.0	0.0	2.5	1.9	6.1	0.0	2.1	65.8	49.1	0.5	3.8	0.0	1.6	0.0	1.1
5	0.0	0.7	0.0	1.1	28.8	6.0	0.0	1.7	0.0	1.8	0.0	2.3	0.0	5.1	0.0	2.0	0.0	12.8	0.0	3.5	0.0	1.6	0.0	1.1
6	0.0	0.7	0.0	1.0	0.0	5.1	0.0	1.6	0.0	1.8	14.1	2.5	0.0	4.7	3.6	2.0	79.3	22.4	0.0	3.3	0.0	1.5	0.0	1.1
7	0.0	0.7	0.0	0.9	0.4	4.2	0.0	1.5	15.8	2.1	0.1	2.5	0.0	4.3	7.3	2.3	57.8	44.1	11.2	3.2	15.4	1.8	0.0	1.0
8	28.3	1.2	0.0	0.9	0.0	3.6	2.6	1.5	7.8	2.5	0.0	2.1	0.0	3.9	0.6	1.9	0.9	15.2	4.5	3.7	1.1	2.1	2.3	1.0
9	3.2	1.5	31.9	1.9	0.0	3.2	45.4	5.4	0.0	2.0	25.5	2.7	18.0	3.8	0.0	1.8	0.0	9.8	0.0	2.9	1.2	1.7	0.3	0.9
10	0.0	1.1	0.0	1.9	0.0	3.0	0.0	3.0	0.0	1.8	11.8	3.5	27.7	7.2	0.0	1.7	1.0	7.4	0.0	2.7	1.2	1.6	0.2	0.9
11	0.0	0.9	0.0	1.5	0.0	2.8	0.0	2.5	8.0	1.8	15.7	3.8	0.0	5.8	0.0	1.5	0.0	6.1	0.8	2.6	0.0	1.5	0.0	1.0
12	16.3	1.8	0.0	1.3	0.0	2.6	3.0	2.4	30.0	3.8	0.7	3.8	0.7	4.8	0.0	1.5	0.0	5.3	6.8	2.7	0.0	1.4	0.0	0.9
13	0.0	1.3	0.0	1.2	1.2	2.5	0.0	2.1	15.1	3.9	0.0	3.0	21.1	5.6	0.0	1.4	0.0	4.6	0.0	2.5	0.0	1.4	0.0	0.9
14	0.0	1.1	0.0	1.2	14.6	3.0	0.0	2.0	10.7	4.1	0.0	2.6	10.4	7.3	0.0	1.4	13.9	4.5	0.0	2.3	42.2	5.3	0.9	0.9
15	0.0	1.0	0.0	1.1	0.0	2.6	2.5	1.8	2.9	3.7	1.3	2.3	0.0	5.6	0.0	1.3	21.4	7.8	0.0	2.2	0.0	2.9	23.4	1.7
16	0.0	0.9	1.3	1.1	0.4	2.4	36.8	3.4	0.0	3.1	12.8	2.3	1.3	4.7	0.0	1.3	0.0	5.0	0.0	2.1	5.8	2.4	0.0	1.3
17	0.0	0.9	52.1	4.7	0.3	2.2	0.5	3.7	0.4	2.7	61.3	13.3	45.7	9.1	0.0	1.3	0.0	4.3	23.5	3.1	1.0	2.2	0.0	1.1
18	0.0	0.8	38.3	8.1	0.0	2.1	0.0	2.8	18.3	3.4	0.0	6.8	1.0	7.7	0.0	1.2	1.2	3.9	0.0	2.5	0.0	2.0	0.2	1.1
19	3.5	0.8	1.3	8.9	0.0	2.0	0.0	2.5	0.3	2.9	7.1	5.0	1.1	6.1	0.0	1.1	55.9	9.3	0.6	2.1	0.0	1.8	0.0	1.0
20	25.9	1.4	0.0	4.8	0.0	1.9	0.0	2.2	5.2	2.7	6.9	4.9	0.0	5.2	0.0	1.1	167.6	87.8	24.7	3.8	0.0	1.7	0.0	0.9
21	23.3	5.2	2.2	3.7	0.0	1.8	0.0	2.1	1.7	2.5	1.7	4.0	0.0	4.7	0.0	1.0	0.0	26.3	0.0	2.6	0.0	1.6	0.0	0.9
22	0.0	2.6	1.2	3.1	0.0	1.7	0.0	1.9	0.6	2.5	0.0	3.6	1.4	4.3	0.0	1.0	1.1	13.6	0.0	2.3	0.0	1.5	0.0	0.9
23	7.1	2.0	0.0	2.7	0.0	1.7	3.0	1.8	9.8	2.4	20.5	3.9	0.0	3.9	0.0	1.0	42.5	19.2	0.0	2.2	0.0	1.4	0.0	0.9
24	12.6	2.6	12.4	2.6	0.0	1.7	41.3	5.0	1.8	2.5	44.3	8.5	0.0	3.5	0.0	0.9	0.0	13.0	0.0	1.9	0.0	1.4	0.6	0.9
25	0.0	2.0	14.5	3.3	44.1	4.1	6.5	3.8	0.0	2.2	9.1	12.0	0.0	3.3	0.0	0.9	0.0	9.7	0.0	1.9	0.0	1.3	11.8	1.2
26	0.0	1.7	36.3	8.6	0.0	3.2	0.0	3.1	81.2	10.3	0.0	7.5	7.5	3.3	0.0	0.9	0.6	8.2	0.0	1.8	0.0	1.3	0.2	1.0
27	4.4	1.7	0.0	7.0	2.4	2.6	0.0	2.6	5.3	12.3	0.0	5.8	0.0	3.0	15.9	1.0	0.0	7.0	0.0	1.7	0.0	1.3	0.8	0.9
28	0.0	1.5	0.0	4.2	8.9	2.7	16.5	3.1	0.0	6.2	67.8	9.1	0.6	2.8	87.9	13.5	0.0	6.3	0.0	1.6	0.3	1.3	0.0	1.0
29	0.0	1.4			2.8	2.4	0.0	2.6	0.0	4.8	11.0	22.2	2.3	2.6	0.0	3.3	1.8	5.8	0.0	1.5	6.2	1.4	0.0	0.9
30	0.0	1.3			0.0	2.2	0.0	2.3	0.0	4.0	0.0	9.8	3.6	2.6	0.0	2.1	0.0	5.2	0.0	1.4	0.0	1.2	0.2	0.9
31	0.0	1.3			0.4	2.1			0.0	3.5			0.0	2.5	20.0	2.7			0.4	1.5			0.6	0.9
total	131.8	43.0	196.8	81.6	129.5	91.2	162.4	76.1	221.2	105.9	311.7	160.8	163.9	154.1	151.9	62.9	628.4	437.8	73.8	82.5	104.9	55.1	41.5	31.7