

HIGASHIYAMA

1960

unit: mm/day

annual precipitation: 1652.4

annual runoff: 879.9

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	24.2	2.6	0.0	1.0	0.0	0.7	18.5	1.7	13.5	2.2	0.0	2.9	0.1	2.4	0.0	1.4	0.0	2.8	0.0	1.7	0.2	2.6	5.9	2.2
2	0.0	1.9	0.0	1.0	0.0	0.7	0.0	1.2	0.0	1.8	1.7	2.6	25.5	3.3	0.0	1.3	2.8	2.6	0.0	1.7	0.0	2.0	0.0	1.9
3	0.0	1.6	0.0	1.0	0.0	0.7	0.0	1.1	0.0	1.6	6.7	3.0	24.0	7.0	0.0	1.2	5.1	2.3	0.0	1.5	0.3	1.7	0.0	1.8
4	0.0	1.5	0.0	1.0	0.0	0.7	1.4	1.0	0.0	1.5	4.8	2.5	0.9	4.0	0.0	1.2	0.0	2.2	0.0	1.5	0.0	1.5	0.0	1.7
5	0.0	1.5	0.8	1.0	0.0	0.7	8.3	1.2	21.1	2.4	11.8	3.5	12.1	4.2	1.7	1.2	1.3	2.0	0.0	1.5	2.9	1.5	3.3	1.7
6	0.7	1.4	0.0	0.9	0.0	0.7	0.0	1.1	0.0	2.1	0.0	2.7	0.0	3.3	0.8	1.2	9.1	2.5	0.0	1.4	0.0	1.4	0.1	1.7
7	0.2	1.3	0.0	0.9	0.0	0.7	0.0	0.9	3.3	1.9	0.0	2.3	0.0	3.0	0.0	1.0	3.8	2.2	1.5	1.5	0.0	1.3	0.0	1.5
8	0.0	1.3	0.0	0.9	0.0	0.7	0.0	0.9	0.0	1.7	0.0	2.1	23.3	3.3	0.0	1.0	49.9	8.3	29.3	2.9	0.0	1.3	0.0	1.5
9	0.0	1.3	7.0	1.0	1.0	0.7	0.0	0.8	0.0	1.5	0.0	2.0	47.4	15.4	0.0	1.0	5.2	4.3	0.0	2.0	0.0	1.2	0.0	1.5
10	0.0	1.2	0.7	1.1	0.0	0.7	0.1	0.8	24.4	2.3	0.0	1.9	1.3	7.9	5.5	0.9	0.0	3.3	5.6	1.8	1.6	1.2	0.0	1.4
11	7.3	1.5	0.0	0.9	2.2	0.7	23.2	1.8	16.6	3.7	0.0	1.8	3.6	6.1	61.4	2.9	0.0	2.6	0.4	1.8	0.0	1.2	0.1	1.4
12	0.2	1.3	0.0	0.9	0.2	0.7	0.0	1.4	0.0	3.1	0.0	1.8	0.0	4.8	40.9	10.8	5.4	2.5	0.0	1.6	0.0	1.2	0.0	1.4
13	0.0	1.2	0.0	0.8	0.0	0.7	1.0	1.2	0.0	2.5	0.0	1.7	1.6	4.2	78.2	15.1	2.4	2.5	0.0	1.5	9.6	1.4	12.2	1.9
14	0.0	1.2	0.2	0.9	0.0	0.6	32.5	2.5	9.3	2.2	0.2	1.6	0.0	3.7	95.1	53.3	3.6	2.4	0.0	1.3	0.0	1.3	0.0	1.5
15	0.0	1.1	0.0	0.9	0.0	0.6	0.0	3.0	40.9	9.5	0.1	1.6	1.7	3.3	14.9	18.9	0.0	2.2	0.0	1.3	0.0	1.1	0.0	1.4
16	0.4	1.1	0.0	0.8	0.0	0.6	0.0	2.0	6.2	5.6	1.5	1.6	0.0	3.2	0.0	10.1	10.6	2.6	0.3	1.3	0.0	1.1	0.0	1.3
17	20.8	2.2	0.2	0.8	0.0	0.6	0.0	1.7	0.4	4.4	7.8	1.9	0.0	2.9	0.0	7.2	0.0	2.2	12.8	1.5	0.0	1.0	0.0	1.3
18	0.0	1.6	10.5	1.3	0.0	0.6	0.0	1.5	0.0	3.6	0.0	1.6	0.0	2.8	0.0	5.7	1.8	2.0	12.1	2.7	12.0	1.3	0.3	1.2
19	0.0	1.4	0.0	0.9	0.0	0.6	0.0	1.3	21.3	3.1	0.0	1.5	0.0	2.5	0.0	4.9	10.2	2.6	0.0	1.6	0.0	1.4	0.0	1.2
20	0.0	1.3	0.0	0.9	0.0	0.6	2.0	1.3	38.2	11.8	3.5	1.5	0.0	2.4	0.0	4.2	41.6	5.8	0.0	1.4	0.0	1.1	0.0	1.2
21	0.0	1.3	0.0	0.9	49.2	0.9	25.6	2.9	13.4	9.7	0.0	1.4	0.0	2.2	0.0	3.8	0.0	4.7	0.0	1.3	0.0	1.1	0.0	1.2
22	0.0	1.2	0.0	0.8	11.8	3.1	0.0	1.8	0.0	6.3	69.8	6.1	0.0	2.0	0.0	3.5	0.0	3.4	0.0	1.2	0.0	1.0	0.0	1.1
23	0.2	1.2	0.0	0.8	0.0	1.2	0.0	1.5	0.0	5.0	35.3	13.7	0.0	1.9	0.0	3.3	0.0	2.8	0.0	1.2	69.5	8.4	0.0	1.1
24	0.0	1.2	0.0	0.8	0.5	1.0	0.0	1.4	0.0	4.2	0.0	6.0	0.0	1.9	0.0	3.0	0.0	2.5	0.0	1.2	0.8	5.0	0.0	1.1
25	0.0	1.1	0.0	0.8	0.0	0.9	6.0	1.4	0.0	3.6	10.1	4.6	1.1	1.7	0.0	2.9	5.8	2.4	0.0	1.1	2.2	3.2	5.5	1.3
26	0.0	1.1	0.0	0.8	6.8	0.9	14.0	2.3	0.0	3.4	0.2	4.2	7.3	1.9	0.0	2.6	0.0	2.3	0.0	1.1	2.7	2.8	15.8	2.0
27	0.3	1.1	0.2	0.8	13.0	1.8	0.0	1.7	0.0	3.0	0.0	3.4	12.5	2.6	0.0	2.4	1.7	2.0	1.6	1.1	9.4	3.1	0.0	1.4
28	0.1	1.1	0.0	0.8	0.0	1.1	9.1	1.9	12.7	3.3	2.6	3.2	0.0	1.9	8.8	2.8	8.1	2.3	1.9	1.1	0.0	2.6	0.0	1.2
29	1.3	1.0	0.0	0.8	0.0	1.0	0.0	1.7	16.3	3.6	0.0	2.8	0.0	1.7	0.0	2.3	0.3	2.2	0.0	1.0	0.3	2.4	1.3	1.2
30	0.0	1.0			0.0	0.9	0.0	1.5	6.4	4.9	0.0	2.6	0.0	1.6	29.7	3.5	0.0	1.9	34.1	1.7	0.0	2.3	0.0	1.1
31	0.0	1.0			0.3	0.9			0.0	3.3			0.0	1.5	5.8	3.7			20.8	4.5			0.0	1.1
total	55.7	41.8	19.6	26.2	85.0	27.0	141.7	46.5	244.0	118.8	156.1	90.1	162.4	110.6	342.8	178.3	168.7	86.4	120.4	50.0	111.5	59.7	44.5	44.5

HIGASHIYAMA

1961

unit: mm/day

annual precipitation: 1827.5

annual runoff: 1058.4

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	1.1	0.0	1.0	0.0	1.3	0.0	2.3	0.8	2.4	0.6	27.4	12.7	2.5	0.0	0.7	0.0	0.6	0.0	1.1	1.3	1.0
2	0.9	1.0	0.0	1.1	0.0	0.9	0.0	1.2	0.0	2.2	0.0	2.1	4.1	20.5	2.8	2.5	0.0	0.7	0.3	0.6	0.0	1.0	2.2	1.1
3	0.0	1.1	0.0	1.0	3.2	1.0	2.1	1.2	0.0	2.0	0.0	2.0	0.0	15.4	18.3	3.4	0.0	0.7	1.0	0.7	0.4	1.0	0.0	1.0
4	27.0	1.8	0.1	1.0	23.9	2.3	0.0	1.1	26.4	3.0	0.0	1.9	8.5	12.8	4.8	2.8	0.0	0.7	0.0	0.7	2.4	1.0	0.4	1.0
5	0.0	2.5	0.0	1.0	3.2	1.7	26.2	1.8	15.9	4.6	5.0	1.9	5.2	10.8	0.3	2.4	9.6	1.0	2.9	0.7	0.0	1.0	0.0	1.0
6	0.0	1.6	11.0	1.1	0.0	1.5	0.0	2.4	0.0	3.5	1.0	2.1	4.7	9.3	18.2	3.0	0.0	0.7	0.0	0.7	0.0	0.9	0.0	1.0
7	0.2	1.4	19.8	2.0	0.0	1.3	0.0	1.6	0.0	2.9	0.0	1.7	3.0	8.2	0.0	2.3	0.0	0.7	62.7	3.6	0.4	0.9	1.3	1.0
8	0.0	1.4	1.6	2.7	0.0	1.2	0.0	1.4	2.5	2.6	0.0	1.6	0.0	6.6	0.0	2.0	0.0	0.6	2.5	4.1	0.0	0.8	0.0	0.9
9	9.0	1.4	1.3	1.8	0.0	1.1	36.3	4.1	0.0	2.5	19.8	1.8	0.0	5.8	0.7	1.8	0.2	0.6	0.0	1.6	0.7	0.8	0.0	0.9
10	7.2	2.0	0.0	1.6	0.0	1.1	0.0	3.4	0.0	2.2	43.2	7.0	6.3	5.6	5.7	1.9	0.0	0.5	35.2	3.2	0.0	0.8	0.3	0.9
11	4.2	2.1	0.0	1.5	0.0	1.0	0.0	2.5	0.8	2.0	0.0	4.1	5.2	5.4	0.0	1.9	0.8	0.6	0.0	2.8	0.0	0.8	0.0	0.9
12	0.0	1.6	0.0	1.4	0.0	1.0	0.9	2.2	32.2	3.3	0.0	2.9	21.7	6.0	0.0	1.6	0.0	0.5	0.0	1.8	0.0	0.8	0.0	0.9
13	0.0	1.5	1.0	1.4	0.0	1.0	12.7	2.7	17.5	7.1	0.0	2.4	35.0	10.0	0.0	1.5	0.0	0.5	0.0	1.5	0.0	0.8	0.0	0.9
14	0.0	1.4	0.0	1.3	17.4	1.6	0.4	2.2	0.0	4.2	0.0	2.2	0.0	6.8	0.0	1.4	4.1	0.9	0.0	1.3	0.0	0.7	2.0	0.8
15	0.0	1.4	2.0	1.3	0.0	1.5	34.3	2.9	0.0	3.4	13.3	2.8	0.0	5.4	0.0	1.4	38.1	2.5	0.0	1.2	0.0	0.7	0.0	0.8
16	0.0	1.3	3.5	1.3	1.7	1.2	16.0	9.0	0.0	3.0	0.0	2.2	0.0	4.6	0.0	1.3	24.6	2.9	0.0	1.1	0.0	0.7	0.0	0.8
17	0.0	1.3	0.1	1.3	1.0	1.2	0.0	4.8	6.3	2.9	42.8	3.8	0.0	4.3	0.0	1.3	37.3	6.4	0.0	1.0	0.0	0.7	0.0	0.8
18	0.0	1.2	0.0	1.2	0.0	1.1	0.0	3.7	0.0	2.6	0.6	6.0	0.0	3.7	4.1	1.3	0.0	1.9	0.0	1.0	15.5	1.1	20.3	1.7
19	0.0	1.2	0.0	1.2	0.0	1.1	0.0	3.2	27.3	3.6	0.0	3.5	0.0	3.5	0.0	1.2	0.0	1.3	13.3	1.3	8.3	1.5	0.2	1.2
20	0.0	1.1	0.0	1.2	9.9	1.5	0.0	2.8	0.0	3.7	0.0	3.0	0.2	3.3	0.5	1.2	0.0	1.1	1.5	1.2	0.0	1.0	0.1	1.0
21	0.0	1.1	0.0	1.2	0.0	1.2	0.0	2.5	6.3	3.3	0.0	2.6	0.0	3.0	0.3	1.2	0.0	1.0	10.2	1.3	0.0	0.9	0.0	0.9
22	0.2	1.2	0.0	1.2	0.0	1.1	8.7	2.6	3.7	3.1	0.0	2.4	0.0	2.8	0.0	1.1	0.0	0.9	13.0	1.9	50.2	4.0	1.4	0.9
23	1.0	1.2	0.0	1.1	0.0	1.1	0.7	2.6	0.0	2.6	0.0	2.3	0.0	2.6	0.0	1.0	0.1	1.0	15.8	1.8	0.2	3.7	0.0	0.9
24	0.0	1.1	0.0	1.1	0.4	1.0	0.0	2.2	18.0	2.9	3.8	2.2	1.6	2.5	0.0	1.0	0.5	0.9	6.6	3.4	0.6	2.0	0.0	0.9
25	21.2	1.7	0.0	1.0	0.0	1.0	0.0	2.0	2.7	3.8	35.2	3.4	33.5	5.3	0.0	1.2	1.9	0.9	0.0	2.0	0.1	1.5	0.9	0.9
26	2.1	1.9	0.0	1.0	0.8	1.0	0.0	1.8	0.0	2.9	48.7	6.9	0.0	3.0	0.3	0.9	0.0	0.8	0.0	1.6	0.0	1.4	0.0	0.8
27	0.7	1.4	0.0	1.0	34.3	2.7	40.3	4.2	0.0	2.6	158.0	45.7	0.0	2.6	0.0	0.8	0.0	0.7	0.2	1.4	0.0	1.2	0.0	0.8
28	0.0	1.3	0.0	1.0	0.7	2.2	0.0	3.7	0.0	2.3	204.3	150.1	0.0	2.3	0.5	0.9	0.8	0.7	1.7	1.3	0.0	1.2	0.0	0.8
29	0.0	1.2			0.0	1.7	0.0	2.8	7.6	2.4	33.1	44.0	0.0	2.1	0.0	0.9	0.4	0.7	0.5	1.2	3.7	1.2	0.0	0.7
30	0.3	1.2			0.0	1.5	0.5	2.5	12.7	3.5	34.6	38.6	15.5	3.1	0.0	0.8	0.0	0.7	0.0	1.1	0.0	1.1	0.1	0.7
31	0.0	1.2			0.0	1.4			0.0	2.5			0.0	2.3	0.0	0.8			0.3	1.1			0.0	0.7
total	74.0	43.8	40.4	36.1	96.5	41.2	179.1	82.4	179.9	95.5	644.2	355.6	145.1	207.0	69.2	49.3	118.4	33.8	167.7	48.8	82.5	36.3	30.5	28.6

HIGASHIYAMA

1962

unit: mm/day

annual precipitation: 1605.7

annual runoff: 870.1

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	0.7	0.0	0.6	0.0	0.4	0.0	0.4	0.0	1.5	0.0	1.7	6.9	3.1	0.0	5.0	0.0	1.0	0.0	0.6	0.0	1.0	0.0	0.8
2	26.2	1.2	0.0	0.6	0.7	0.5	0.0	0.4	0.2	1.5	0.0	1.7	27.4	3.6	0.0	4.1	0.0	1.0	0.0	0.6	0.0	1.0	0.2	0.7
3	2.0	1.2	0.0	0.5	0.0	0.4	11.2	0.5	0.0	1.4	4.0	1.7	25.0	9.0	0.0	3.7	0.0	1.0	0.0	0.5	1.9	1.1	0.2	0.7
4	0.0	1.1	0.0	0.5	0.0	0.4	69.5	11.9	0.0	1.3	57.0	4.9	14.6	5.7	1.0	3.4	0.1	1.0	11.1	0.8	27.4	2.6	0.0	0.7
5	0.4	1.0	0.0	0.5	0.0	0.5	0.0	3.1	51.2	4.2	7.0	7.9	68.3	22.2	0.0	3.1	32.4	3.5	21.1	1.5	0.0	1.7	11.1	0.8
6	0.0	1.0	0.5	0.5	1.8	0.4	0.0	2.0	0.9	4.7	0.0	4.0	18.5	17.5	0.0	2.9	0.0	1.6	0.0	1.1	0.0	1.3	0.0	1.1
7	0.0	0.9	0.0	0.6	2.3	0.5	0.6	1.8	0.0	2.8	0.2	3.1	0.1	11.5	0.0	2.7	0.0	1.3	0.0	0.7	0.0	1.2	0.0	0.8
8	0.0	0.9	0.0	0.5	4.2	0.6	0.2	1.4	0.0	2.3	79.3	15.9	0.0	8.7	0.0	2.4	0.5	1.1	0.0	0.6	0.0	1.1	0.0	0.8
9	0.0	0.9	10.2	0.6	0.0	0.5	0.1	1.2	0.0	2.0	0.3	11.2	0.0	6.8	0.0	2.3	4.5	1.3	0.0	0.6	0.0	1.1	0.0	0.8
10	0.6	0.9	0.2	0.7	2.3	0.5	34.5	2.3	21.9	3.3	44.8	9.0	4.5	6.1	4.0	2.3	0.0	1.1	0.0	0.5	0.2	1.0	0.0	0.7
11	0.0	0.8	1.3	0.6	0.2	0.5	0.3	3.5	0.0	2.5	19.9	20.9	0.0	5.4	0.0	2.1	0.0	1.0	18.1	0.6	0.0	1.0	0.0	0.7
12	0.5	0.8	0.0	0.7	0.0	0.5	0.0	2.2	14.5	2.4	9.2	13.7	1.0	4.9	0.0	1.9	0.0	0.9	75.4	10.4	0.0	0.9	0.0	0.7
13	0.0	0.8	0.0	0.6	0.0	0.4	5.7	1.8	13.0	4.4	17.4	10.5	0.0	4.4	0.1	1.8	0.0	0.8	0.0	3.2	0.0	0.9	0.0	0.6
14	0.2	0.7	0.0	0.5	0.0	0.4	45.2	7.2	0.0	3.1	36.3	14.0	3.0	4.2	0.5	1.8	0.0	0.8	5.0	2.0	0.0	0.9	0.0	0.6
15	0.0	0.7	0.0	0.5	7.3	0.5	0.0	5.4	44.3	5.5	14.5	16.7	0.0	3.7	0.0	1.7	0.1	0.8	0.4	1.7	0.0	0.9	25.7	1.7
16	0.0	0.7	0.1	0.5	15.3	1.5	0.0	3.6	16.6	11.7	0.0	12.1	1.7	3.5	0.0	1.6	0.0	0.8	0.0	1.3	9.5	0.9	0.0	1.2
17	0.0	0.7	1.2	0.5	1.7	0.7	0.3	2.9	0.0	6.3	0.0	9.0	0.2	3.2	0.0	1.5	0.0	0.7	0.0	1.2	5.2	1.3	0.0	1.0
18	0.0	0.7	0.0	0.5	0.2	0.6	7.6	2.5	0.2	4.8	0.0	7.2	6.8	3.3	0.0	1.5	0.4	0.8	0.0	1.1	0.0	1.0	0.2	0.9
19	1.6	0.7	0.2	0.5	0.0	0.6	34.0	7.5	0.0	4.0	0.0	6.2	4.0	3.4	20.0	2.9	14.2	1.6	0.0	1.0	0.0	0.9	0.0	0.8
20	0.2	0.7	0.5	0.5	0.0	0.5	0.0	4.3	0.0	3.5	0.0	5.4	11.0	3.7	0.0	1.8	0.0	0.9	0.2	1.0	0.0	0.8	0.5	0.8
21	0.0	0.7	0.2	0.5	5.5	0.6	0.0	3.4	0.0	3.1	0.0	4.8	0.0	3.1	0.0	1.5	0.0	0.8	0.0	0.9	3.0	0.9	0.0	0.8
22	0.0	0.6	0.0	0.5	2.6	0.7	0.4	2.9	0.0	2.8	6.3	4.6	0.0	2.7	0.0	1.3	0.1	0.7	0.0	0.8	0.0	0.8	0.0	0.8
23	0.0	0.6	0.0	0.5	0.0	0.6	0.0	2.5	0.0	2.5	11.7	5.2	0.0	2.5	2.4	1.3	0.0	0.7	0.0	0.8	0.0	0.8	0.0	0.8
24	0.0	0.6	0.0	0.5	0.0	0.5	0.0	2.3	2.5	2.5	0.1	4.2	0.0	2.4	0.0	1.2	8.7	0.9	0.0	0.8	0.0	0.8	0.8	0.7
25	0.0	0.6	0.0	0.5	0.0	0.5	0.0	2.0	1.4	2.3	0.0	3.9	0.0	2.3	0.0	1.2	0.0	0.8	0.0	0.8	0.0	0.7	0.3	0.7
26	0.1	0.6	0.3	0.5	0.0	0.5	1.4	1.9	0.0	2.1	30.0	5.8	0.0	2.1	40.4	1.9	0.0	0.6	0.0	0.8	0.0	0.7	0.0	0.7
27	0.0	0.6	0.0	0.5	8.7	0.7	10.4	2.3	0.0	2.0	0.0	4.4	0.0	2.0	6.0	3.8	0.0	0.6	0.0	0.7	14.5	1.2	0.0	0.7
28	0.7	0.6	0.0	0.4	0.0	0.5	0.0	1.9	23.5	3.3	0.0	3.8	134.3	22.0	0.0	1.8	0.0	0.6	18.6	0.9	0.0	1.0	0.0	0.7
29	0.1	0.6			0.0	0.5	0.0	1.7	0.0	2.5	0.0	3.4	5.4	20.7	0.0	1.4	0.0	0.6	19.7	2.4	1.7	0.9	4.0	0.7
30	0.3	0.6			0.0	0.5	0.0	1.5	0.0	2.2	0.6	3.2	0.0	8.4	0.0	1.3	1.2	0.6	2.0	1.7	0.0	0.8	7.5	0.8
31	0.0	0.6			0.0	0.5			0.0	1.9			0.0	5.9	0.0	1.2			0.0	1.2			0.3	1.0
total	32.9	23.8	14.7	14.9	52.8	17.0	221.4	88.3	190.2	100.4	338.6	220.1	332.7	208.0	74.4	68.4	62.2	29.9	171.6	42.8	63.4	31.2	50.8	25.3

HIGASHIYAMA

1963

unit: mm/day

annual precipitation: 1602.3

annual runoff: 899.0

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	0.8	0.0	0.5	0.0	0.6	0.0	1.4	22.8	2.7	0.3	4.6	15.7	3.4	0.3	1.2	3.1	1.8	5.7	1.7	0.0	0.9	0.0	0.8
2	0.0	0.7	0.0	0.5	0.0	0.6	1.7	1.3	18.8	5.5	0.8	4.1	1.0	2.6	0.0	1.2	0.0	1.4	7.0	2.2	0.0	0.9	0.0	0.8
3	0.3	0.7	0.0	0.5	0.0	0.6	0.0	1.1	0.0	3.6	24.1	4.7	20.8	4.3	0.0	1.1	7.4	1.6	0.0	1.6	0.0	0.9	6.9	0.8
4	0.5	0.7	1.6	0.5	0.0	0.7	0.0	1.1	0.0	3.0	38.2	11.1	0.0	2.9	15.0	1.8	0.0	1.3	0.0	1.5	0.0	0.9	3.4	1.1
5	0.0	0.7	0.2	0.5	0.0	0.6	0.0	1.0	4.8	2.7	6.5	10.4	0.0	2.5	0.0	1.3	0.0	1.1	0.0	1.4	4.0	0.9	3.5	1.1
6	7.1	0.7	0.0	0.5	0.0	0.5	0.0	1.0	10.0	2.9	25.9	8.5	2.8	2.4	0.0	1.1	0.0	1.1	0.0	1.3	3.4	1.1	0.0	0.9
7	2.2	0.7	0.0	0.5	0.0	0.5	0.5	0.9	12.7	3.9	63.8	26.1	0.1	2.4	0.0	1.1	1.3	1.1	0.0	1.2	4.8	0.9	0.0	0.9
8	0.9	0.7	0.0	0.5	0.0	0.5	25.8	1.6	0.0	3.1	9.0	20.6	15.0	3.3	0.0	1.0	0.0	1.0	0.0	1.1	3.0	1.2	0.0	0.8
9	0.0	0.6	13.7	0.7	0.0	0.5	71.8	17.1	11.9	3.1	0.1	13.6	4.8	2.4	0.0	0.9	1.8	1.0	0.0	1.1	0.0	0.9	0.2	0.8
10	0.0	0.6	0.0	0.7	10.9	0.6	0.0	7.4	15.6	4.4	0.0	10.4	0.0	2.3	8.1	1.0	9.3	1.4	43.3	3.2	0.0	0.8	0.0	0.8
11	0.0	0.6	0.0	0.5	8.0	1.3	0.0	4.3	4.5	3.9	0.0	8.5	20.0	2.6	30.2	2.8	4.4	1.3	0.0	2.6	0.0	0.8	2.2	0.8
12	0.1	0.6	3.5	0.6	0.0	0.8	0.0	3.2	32.9	6.9	5.4	7.3	40.0	8.7	34.5	4.3	1.2	1.2	0.0	1.8	0.0	0.8	0.0	0.8
13	1.7	0.6	0.0	0.6	16.3	0.9	0.0	2.7	0.2	7.0	6.4	7.0	0.0	4.9	0.0	2.8	0.1	1.1	0.0	1.5	0.0	0.8	0.0	0.7
14	0.5	0.6	0.0	0.5	0.0	1.2	0.0	2.4	0.4	5.2	46.0	10.7	0.0	3.8	0.0	1.8	5.5	1.2	0.0	1.4	0.0	0.8	0.0	0.7
15	0.0	0.6	0.0	0.5	0.0	1.1	0.0	2.2	24.4	4.9	2.1	11.7	1.3	3.2	0.0	1.5	0.0	1.0	2.0	1.4	0.0	0.8	0.0	0.7
16	0.0	0.6	0.0	0.5	12.1	1.2	22.3	2.8	2.7	6.9	0.0	8.4	0.0	2.8	5.4	1.6	1.2	0.9	0.4	1.4	3.3	0.8	0.0	0.7
17	0.5	0.5	0.0	0.5	9.8	2.6	18.9	4.7	76.5	21.5	1.0	7.0	0.0	2.5	1.7	1.3	12.6	1.6	9.9	1.4	0.0	0.8	0.0	0.7
18	0.0	0.5	0.0	0.5	0.0	1.6	0.1	3.9	38.0	31.3	0.7	6.3	0.0	2.3	4.5	1.5	0.0	1.1	2.7	1.8	0.0	0.7	0.3	0.7
19	0.1	0.6	0.0	0.5	0.0	1.2	10.5	3.3	0.0	17.6	0.0	5.5	0.0	2.1	35.5	2.9	0.0	0.9	0.0	1.3	0.1	0.7	0.0	0.7
20	4.0	0.6	0.0	0.4	0.0	1.0	0.3	3.3	12.3	12.5	0.0	5.0	0.3	2.0	0.0	3.2	0.0	0.9	0.0	1.2	6.1	0.9	0.0	0.6
21	1.0	0.6	0.0	0.5	0.0	0.9	0.0	2.7	10.0	10.0	15.0	5.1	0.0	1.9	0.0	2.0	5.9	0.9	0.0	1.2	0.2	0.8	0.0	0.6
22	0.0	0.5	0.0	0.5	0.0	0.9	0.0	2.4	6.5	10.3	5.2	5.4	0.0	1.8	0.0	1.7	1.5	1.1	0.1	1.1	0.0	0.7	0.0	0.6
23	0.0	0.5	0.0	0.5	0.0	0.8	8.2	2.5	10.0	9.7	0.0	4.4	2.5	1.8	0.0	1.5	0.0	0.9	0.0	1.1	0.5	0.7	0.0	0.6
24	0.1	0.5	0.0	0.5	10.8	0.9	22.5	4.0	0.6	7.8	10.1	4.6	18.0	2.4	0.0	1.4	0.0	0.8	0.0	1.1	0.0	0.7	0.3	0.6
25	0.0	0.5	2.0	0.5	5.5	1.4	0.1	3.6	0.0	6.4	0.0	3.9	10.9	2.2	20.4	2.4	12.2	0.8	0.0	1.0	0.7	0.7	7.2	0.7
26	0.0	0.5	0.0	0.5	0.0	0.9	0.0	2.9	0.0	5.7	0.0	3.6	0.0	1.8	5.3	1.8	69.6	10.1	9.5	1.0	27.2	2.1	0.2	0.8
27	0.0	0.5	7.4	0.5	0.0	0.9	0.0	2.6	0.6	5.2	0.0	3.2	0.0	1.6	0.0	1.5	0.0	3.8	5.8	1.6	1.2	1.3	0.0	0.6
28	0.0	0.5	5.1	0.5	0.0	0.8	0.0	2.4	22.5	5.8	0.0	3.1	0.0	1.4	0.0	1.3	0.0	2.5	0.7	1.2	0.0	1.0	0.0	0.6
29	0.0	0.5			32.3	1.6	0.0	2.2	4.1	6.2	0.0	2.9	0.0	1.3	14.2	1.9	0.0	2.0	0.0	1.1	0.2	0.9	0.0	0.6
30	0.0	0.5			1.0	3.0	0.0	2.1	9.0	5.4	0.0	2.7	0.0	1.3	0.2	1.5	0.0	1.8	0.0	1.0	0.0	0.9	2.5	0.6
31	2.5	0.5			0.0	1.8			3.0	4.9			0.0	1.3	8.4	1.5			0.0	1.0			0.0	0.6
total	21.5	18.3	33.5	14.5	106.7	32.5	182.7	94.1	354.8	230.0	260.6	230.4	153.2	82.2	183.7	53.9	137.1	48.7	87.1	44.5	54.7	27.1	26.7	22.8

HIGASHIYAMA

1964

unit: mm/day

annual precipitation: 1538.2

annual runoff: 761.0

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	0.6	9.8	1.7	0.0	1.1	0.5	1.6	0.0	2.5	0.0	0.9	0.0	2.8	0.0	2.1	0.0	1.0	0.0	3.1	0.0	1.5	0.5	1.1
2	0.0	0.6	0.0	1.3	0.2	1.1	13.5	2.2	17.2	3.2	0.0	0.9	0.0	2.5	0.0	2.0	0.0	0.9	0.0	2.6	10.5	1.8	0.0	1.0
3	0.0	0.6	0.0	1.2	0.0	1.1	0.0	1.9	0.0	2.7	10.0	0.9	0.0	2.1	0.2	1.9	5.5	1.1	0.0	2.2	0.0	1.7	0.0	0.9
4	0.0	0.6	0.0	1.1	3.5	1.1	3.1	1.7	0.0	2.3	2.7	1.2	0.0	1.9	48.7	5.3	0.0	1.1	0.0	2.0	0.0	1.5	0.0	0.9
5	0.0	0.6	0.0	1.0	10.0	1.5	5.8	2.1	0.3	2.2	0.0	0.9	0.0	1.7	3.7	2.8	0.2	0.9	0.1	1.8	1.1	1.5	0.0	0.9
6	0.0	0.5	0.0	1.0	0.0	1.2	0.0	1.7	4.0	2.3	2.7	0.9	0.0	1.7	0.0	2.3	5.5	1.0	2.5	1.8	4.0	1.5	0.0	0.9
7	0.0	0.5	10.0	1.2	0.0	1.1	0.0	1.7	0.0	2.0	0.0	0.9	0.0	1.5	0.0	2.1	0.0	0.8	10.8	2.3	0.0	1.4	0.1	0.9
8	0.0	0.5	0.3	1.4	13.4	1.8	20.7	2.3	0.0	1.9	0.0	0.8	14.6	1.6	0.2	1.9	0.0	0.8	0.9	2.1	0.0	1.3	0.0	0.9
9	0.0	0.5	28.1	2.1	0.1	1.3	29.6	5.6	0.0	1.8	0.0	0.7	41.4	4.7	0.0	1.7	0.0	0.8	7.2	2.0	0.0	1.2	0.0	0.9
10	0.0	0.5	20.0	4.9	0.0	1.2	23.3	5.8	0.0	1.7	9.2	1.0	26.2	4.4	0.0	1.6	14.5	1.3	0.0	1.8	28.6	2.7	0.0	0.9
11	0.0	0.5	0.4	3.6	0.0	1.1	36.3	13.9	21.6	2.4	0.0	0.8	3.0	6.2	0.0	1.5	0.0	1.0	0.0	1.5	0.0	2.0	0.0	0.8
12	0.0	0.5	6.5	3.1	0.0	1.1	0.0	10.1	0.0	2.4	0.0	0.8	10.6	4.5	0.0	1.5	0.0	0.8	0.0	1.5	0.0	1.7	0.0	0.8
13	10.0	0.6	0.0	2.5	0.0	1.0	0.0	6.4	0.0	1.9	0.0	0.7	1.0	3.6	0.0	1.4	0.0	0.8	3.0	1.5	4.7	1.7	0.0	0.8
14	23.7	2.0	0.0	2.1	16.7	1.5	0.0	5.0	2.0	1.8	0.0	0.7	0.0	2.9	0.0	1.3	2.5	0.8	80.7	12.6	0.0	1.5	0.0	0.8
15	0.5	1.1	0.1	1.9	0.1	1.5	0.0	4.2	0.0	1.6	22.5	1.6	10.5	2.7	0.0	1.3	0.0	0.7	0.8	8.1	2.6	1.5	0.0	0.8
16	0.0	0.9	0.0	1.8	0.3	1.3	0.4	3.7	0.0	1.5	51.0	7.6	20.1	4.5	0.0	1.2	0.0	0.7	0.0	4.7	0.0	1.4	0.0	0.8
17	2.0	0.8	0.3	1.7	0.0	1.2	0.3	3.4	0.0	1.4	0.0	2.6	34.3	4.0	0.0	1.2	0.4	0.7	1.7	3.7	0.0	1.3	1.0	0.8
18	17.4	1.8	0.0	1.6	0.0	1.1	0.0	3.1	0.0	1.4	0.0	1.7	1.5	8.2	0.0	1.1	0.0	0.6	4.2	3.3	0.0	1.3	4.2	0.9
19	3.2	1.2	0.0	1.5	0.0	1.1	0.0	2.8	0.0	1.3	0.0	1.3	49.2	10.3	0.0	1.1	0.0	0.6	0.0	2.9	0.0	1.2	0.0	0.8
20	0.0	1.0	0.0	1.4	0.8	1.0	0.0	2.6	0.0	1.3	39.4	3.4	6.0	13.4	0.0	1.0	0.0	0.6	0.0	2.6	0.0	1.2	0.0	0.8
21	0.0	0.9	0.0	1.3	36.0	3.9	1.6	2.5	0.0	1.2	3.0	4.0	1.4	8.0	25.6	2.2	9.3	1.1	1.0	2.4	0.0	1.2	0.0	0.7
22	0.0	0.9	0.0	1.3	0.0	2.3	0.0	2.4	0.0	1.2	0.0	2.4	0.3	6.0	0.0	1.6	23.5	2.1	3.1	2.4	1.1	1.1	0.0	0.7
23	15.0	1.3	0.0	1.2	0.0	1.8	10.0	2.7	0.0	1.2	0.2	1.9	0.4	5.0	0.0	1.2	0.5	1.1	10.0	2.9	0.0	1.1	0.0	0.7
24	0.0	1.3	0.0	1.2	0.0	1.7	0.0	2.4	0.0	1.2	0.0	1.6	0.0	4.3	3.5	1.3	10.7	1.2	0.2	2.4	0.0	1.1	31.8	1.9
25	0.2	1.1	10.0	1.2	15.5	1.7	0.0	2.2	3.0	1.3	4.7	1.5	0.0	3.8	20.1	2.0	96.7	13.4	0.0	2.1	0.0	1.1	0.3	1.6
26	0.0	0.9	0.0	1.3	5.6	2.8	10.4	2.2	0.0	1.1	20.5	2.7	0.0	3.4	0.0	1.7	13.9	13.5	0.0	1.9	0.0	1.0	0.0	1.1
27	0.0	0.9	0.0	1.2	5.4	2.0	36.7	7.5	0.0	1.0	3.4	2.0	0.0	3.1	0.0	1.2	0.0	4.2	0.1	1.8	0.0	1.0	3.5	1.0
28	0.0	0.9	0.4	1.2	1.9	2.2	0.0	3.7	0.0	1.0	49.7	8.9	0.0	2.8	0.0	1.1	34.7	4.7	0.7	1.8	0.0	1.0	10.1	1.4
29	18.5	1.5	0.0	1.1	0.0	1.9	0.4	3.1	0.4	0.9	0.0	5.2	0.0	2.6	0.0	1.1	4.3	5.8	0.0	1.7	0.0	1.0	0.0	1.2
30	0.0	1.3			0.0	1.7	0.0	2.7	0.0	0.9	0.0	3.5	0.0	2.5	3.0	1.1	0.0	3.9	0.0	1.6	5.6	1.0	0.0	1.1
31	2.8	1.1			0.0	1.7			0.0	0.9			0.0	2.3	5.0	1.3			0.0	1.6			0.0	1.0
total	93.3	28.0	85.9	49.1	109.5	48.1	192.6	113.2	48.5	51.5	219.0	64.0	220.5	129.0	110.0	52.1	222.2	68.0	127.0	86.7	58.2	41.5	51.5	29.8

HIGASHIYAMA

1965

unit: mm/day

annual precipitation: 1709.4

annual runoff: 935.4

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	6.2	1.0	5.1	1.1	0.0	0.9	15.0	1.2	0.0	3.2	0.0	5.0	1.2	6.5	0.0	2.9	0.0	0.7	0.0	1.8	7.1	1.6	1.5	1.0
2	0.1	1.1	0.0	0.9	0.0	0.9	3.8	1.0	0.0	2.4	0.0	4.3	18.6	7.2	0.0	2.6	13.0	0.8	0.0	1.7	0.0	1.2	0.0	1.0
3	0.0	0.9	11.5	0.9	0.0	0.9	0.1	0.8	13.3	2.4	0.0	3.8	3.2	6.0	0.0	2.5	9.6	1.7	0.0	1.7	0.0	1.1	0.0	1.0
4	0.0	0.9	2.0	0.9	0.0	0.8	0.0	0.8	49.2	10.1	27.2	4.8	0.0	5.1	0.0	2.3	0.0	1.0	0.0	1.5	0.0	1.0	5.9	1.0
5	0.0	0.9	0.0	0.9	0.3	0.8	0.0	0.8	0.0	6.4	0.3	4.8	22.6	5.4	0.0	2.2	0.0	0.8	0.0	1.5	1.7	1.1	3.0	1.3
6	0.0	0.8	4.7	0.9	0.0	0.8	0.0	0.7	0.4	4.4	0.0	3.8	25.5	9.3	0.0	2.1	4.3	0.7	3.9	1.6	0.0	1.0	2.6	1.1
7	0.0	0.8	2.9	0.9	0.0	0.8	0.0	0.7	2.7	3.7	0.0	3.4	40.3	10.5	4.8	2.4	10.4	1.5	1.1	1.7	0.0	0.9	0.2	1.0
8	0.9	0.8	0.0	0.9	0.0	0.8	0.0	0.7	0.0	3.1	0.0	3.0	7.5	15.3	0.0	2.0	0.0	0.9	0.0	1.4	16.2	1.4	0.0	1.0
9	6.5	1.1	9.0	1.2	0.0	0.8	28.7	1.7	0.0	2.7	0.0	2.8	18.6	11.5	0.1	1.9	8.9	0.8	0.0	1.3	1.5	1.4	0.0	1.0
10	0.0	0.9	4.5	2.3	0.6	0.8	0.1	1.6	0.0	2.4	0.0	2.6	10.2	10.2	0.0	1.7	33.3	2.7	0.0	1.2	0.3	1.1	0.0	0.9
11	2.1	0.8	0.0	1.7	0.0	0.7	1.1	1.2	0.0	2.2	0.0	2.5	0.0	9.3	0.0	1.6	27.8	4.8	0.0	1.2	0.0	1.0	0.3	0.9
12	0.9	0.9	0.0	1.3	0.0	0.7	0.2	1.1	0.0	2.0	0.0	2.4	2.2	7.3	0.0	1.6	0.0	1.8	0.0	1.2	0.0	1.0	5.0	1.0
13	0.0	0.7	0.0	1.2	2.5	0.8	0.0	1.1	0.0	1.8	11.9	2.8	11.0	7.0	0.0	1.5	0.0	1.3	0.0	1.1	0.0	0.9	2.7	1.0
14	0.0	0.8	7.5	1.2	0.0	0.7	16.5	1.4	0.0	1.8	21.5	3.9	10.4	7.8	0.0	1.4	14.8	1.6	8.6	1.1	4.5	0.9	0.0	0.9
15	0.0	0.8	0.5	1.4	0.0	0.7	0.2	1.5	15.6	2.3	0.0	3.0	0.0	6.2	0.0	1.3	0.0	1.6	63.5	8.8	0.3	1.0	0.4	0.9
16	0.0	0.8	0.0	1.1	0.0	0.7	0.0	1.1	0.2	1.9	0.0	2.6	0.0	5.4	0.0	1.3	11.6	1.7	0.0	3.2	0.0	0.9	2.3	0.8
17	0.0	0.7	0.0	1.0	5.2	0.7	0.0	1.0	1.1	1.7	0.0	2.3	0.0	4.7	0.0	1.2	79.8	9.3	0.0	2.2	1.3	0.9	2.0	0.9
18	0.0	0.7	0.0	1.0	0.5	0.9	0.0	0.9	0.7	1.6	2.8	2.3	9.6	4.8	0.0	1.1	111.3	62.2	0.0	1.9	0.0	0.8	0.0	0.8
19	1.8	0.8	0.0	1.0	0.0	0.7	0.3	0.9	0.0	1.4	3.8	2.1	1.0	4.7	0.0	1.1	0.0	15.5	3.1	1.7	0.0	0.8	0.0	0.9
20	0.1	0.8	0.0	0.9	0.1	0.7	17.4	1.3	0.0	1.4	17.3	3.2	7.1	4.3	0.0	1.0	0.0	6.9	1.0	1.7	10.0	1.2	5.6	0.9
21	0.0	0.7	15.8	1.5	0.8	0.7	0.3	1.4	51.9	4.8	72.0	10.2	11.4	5.2	0.3	1.0	0.0	4.8	0.0	1.5	2.3	1.1	1.1	1.1
22	0.0	0.7	0.0	1.3	0.0	0.6	0.0	1.1	6.6	4.3	13.3	16.7	38.8	8.1	0.0	1.0	0.0	3.9	0.0	1.4	0.0	0.9	0.0	0.9
23	0.0	0.7	0.0	1.1	0.0	0.6	1.1	1.0	0.0	2.8	0.0	8.1	3.8	8.2	9.6	1.3	2.9	4.5	0.0	1.4	0.0	0.9	23.8	1.5
24	0.0	0.7	0.0	1.0	19.6	0.8	29.3	2.5	5.1	2.4	0.0	5.8	11.5	7.2	0.0	1.1	0.0	3.1	0.0	1.3	0.4	0.9	9.2	2.8
25	0.6	0.7	0.3	1.0	2.2	1.5	1.1	2.5	0.0	2.1	3.2	4.8	0.0	5.9	0.0	0.9	2.1	2.7	0.0	1.2	13.1	1.0	0.3	1.7
26	0.0	0.6	0.8	0.9	0.0	0.9	0.0	1.9	0.3	1.9	0.0	4.0	0.0	5.1	0.0	0.8	2.5	2.8	0.0	1.2	19.8	2.6	0.0	1.5
27	0.6	0.7	0.0	0.9	0.0	0.8	7.5	1.9	99.7	10.8	24.3	5.3	0.0	4.5	0.0	0.8	0.0	2.4	0.0	1.2	0.0	1.7	0.0	1.3
28	0.3	0.7	0.0	0.9	0.0	0.7	0.0	1.6	22.2	25.0	51.2	10.1	0.0	4.1	0.0	0.7	0.2	2.3	0.0	1.1	0.0	1.3	1.3	1.2
29	0.0	0.6			0.0	0.7	2.7	1.4	0.0	9.2	1.5	12.8	0.0	3.7	0.0	0.7	0.0	2.0	0.0	1.1	0.0	1.2	24.5	2.5
30	23.3	1.6			0.0	0.7	34.9	4.5	7.2	6.4	8.3	8.6	0.0	3.4	0.0	0.7	0.0	1.9	0.0	1.1	2.0	1.2	0.0	2.2
31	0.0	1.1			0.0	0.7			8.8	6.3			1.4	3.1	0.0	0.7			9.1	1.1			0.0	1.8
total	43.4	25.8	64.6	31.3	31.8	24.3	160.3	41.3	285.0	134.9	258.6	151.8	255.9	207.0	14.8	45.4	332.5	148.7	90.3	53.1	80.5	34.0	91.7	37.8

HIGASHIYAMA

1966

unit: mm/day

annual precipitation: 1786.0

annual runoff: 1047.2

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	1.5	0.0	1.0	0.0	3.7	27.0	3.1	0.0	1.8	9.2	4.5	12.6	2.9	0.0	2.2	0.0	0.9	0.0	3.8	0.0	1.7	0.0	1.4
2	0.1	1.5	0.0	1.0	0.0	2.9	0.1	3.7	0.0	1.8	15.8	6.2	69.7	13.2	0.0	1.7	26.5	2.1	14.0	3.8	0.0	1.6	0.3	1.3
3	0.0	1.4	0.0	1.0	42.4	6.1	0.0	2.8	19.0	2.7	0.3	5.0	0.0	13.3	6.3	1.6	0.0	1.2	6.1	4.0	0.0	1.6	0.0	1.2
4	4.0	1.3	0.9	1.0	19.0	8.3	13.5	2.9	3.0	2.3	8.6	4.4	0.0	6.5	1.7	1.9	0.0	1.0	0.0	3.3	0.0	1.4	0.0	1.2
5	12.7	2.0	0.0	0.9	19.0	8.7	5.8	3.7	0.0	2.0	13.8	6.0	0.0	4.9	0.0	1.5	7.0	1.2	0.0	2.8	0.0	1.4	0.0	1.2
6	1.4	1.7	1.1	0.9	0.0	7.0	0.0	3.0	0.0	1.8	0.0	4.7	0.0	4.1	0.0	1.4	0.0	0.9	0.0	2.6	0.0	1.3	1.2	1.2
7	0.0	1.6	1.1	0.9	45.3	8.6	26.5	3.3	0.0	1.7	1.0	4.1	0.0	3.7	0.0	1.3	0.0	0.9	0.0	2.4	0.5	1.3	0.0	1.1
8	0.3	1.4	0.0	0.8	11.0	13.8	6.3	6.5	28.6	3.1	0.0	3.8	33.0	4.8	0.0	1.2	0.0	0.9	0.0	2.4	0.0	1.3	0.0	1.1
9	0.0	1.3	0.0	0.9	1.5	8.6	0.0	4.3	0.0	2.7	0.4	3.4	79.8	26.0	0.0	1.2	2.7	0.8	0.1	2.2	0.0	1.3	0.3	1.1
10	0.0	1.3	0.0	0.9	0.0	6.5	3.8	3.8	0.0	2.1	30.6	5.1	1.3	15.2	0.0	1.2	27.9	2.0	0.0	2.1	0.0	1.2	0.0	1.0
11	7.0	1.5	9.0	1.0	0.0	5.3	0.0	3.3	26.3	3.3	0.0	4.4	1.3	9.8	0.0	1.2	0.0	1.5	0.0	2.0	0.0	1.2	0.5	1.0
12	0.0	1.3	0.0	1.2	0.0	4.6	14.1	3.9	0.0	3.0	0.0	3.6	9.7	8.4	0.0	1.0	0.0	1.1	0.0	1.9	0.0	1.1	0.0	1.0
13	1.1	1.3	0.0	0.9	0.0	4.1	0.0	3.4	0.0	2.4	0.0	3.2	6.1	7.1	0.2	1.0	27.1	2.4	49.0	6.3	0.0	1.1	6.6	1.2
14	5.7	1.5	0.0	0.9	1.0	3.8	0.0	3.1	0.0	2.2	0.0	3.0	0.0	6.0	8.2	1.0	0.0	1.5	0.0	3.7	37.2	3.2	0.6	1.1
15	0.0	1.3	0.0	0.8	0.0	3.3	0.0	2.9	0.6	2.0	0.0	2.8	0.0	5.2	2.2	1.2	0.0	1.1	0.0	2.9	0.2	2.2	0.0	1.0
16	0.0	1.2	0.0	0.8	29.5	5.1	22.4	4.0	21.5	3.4	12.9	3.1	0.0	4.8	24.3	2.0	0.0	0.9	6.1	2.9	0.0	1.6	0.0	1.0
17	0.0	1.2	14.0	1.1	0.0	4.7	0.0	3.6	0.0	2.4	5.5	3.4	0.0	4.3	1.4	1.8	4.6	1.0	0.0	2.5	1.8	1.5	0.0	1.0
18	0.0	1.1	5.4	1.6	0.0	3.7	0.0	3.1	0.0	2.1	1.0	3.0	0.2	3.9	0.8	1.3	12.4	1.5	0.0	2.3	6.0	1.9	0.0	1.0
19	1.4	1.1	0.0	1.1	15.0	4.0	0.0	2.8	0.0	1.9	0.0	2.7	3.4	4.3	10.2	1.4	92.0	13.2	0.0	2.2	0.0	1.5	0.0	1.0
20	3.7	1.1	0.0	1.0	0.0	3.8	0.0	2.6	0.0	1.8	0.4	2.6	0.0	3.6	12.0	2.1	0.0	12.2	0.0	2.0	0.0	1.4	15.0	1.5
21	1.8	1.1	41.6	4.2	1.2	3.3	0.0	2.6	0.3	1.7	10.5	3.0	0.0	3.2	0.0	1.3	0.0	4.4	1.7	1.9	0.2	1.3	0.0	1.2
22	1.3	1.1	0.0	3.1	3.0	3.3	8.5	2.5	29.6	2.6	0.0	2.6	0.0	3.0	0.0	1.1	20.2	4.0	0.0	1.8	1.0	1.3	0.0	1.1
23	0.0	1.1	13.0	2.9	10.3	4.1	5.1	3.0	47.8	10.4	0.1	2.4	0.0	2.8	24.3	2.9	15.2	4.1	0.0	1.7	0.0	1.2	0.0	1.0
24	0.0	1.0	0.0	2.3	0.0	3.4	0.0	2.5	17.8	7.8	2.0	2.4	0.0	2.7	4.9	1.9	68.5	16.6	0.0	1.7	0.0	1.2	0.0	1.0
25	0.0	1.0	0.0	2.1	0.0	3.1	0.0	2.4	0.0	6.6	0.0	2.2	0.0	2.5	0.2	1.4	13.8	17.3	0.0	1.6	0.0	1.2	0.7	1.0
26	4.7	1.1	0.2	1.9	0.0	2.9	0.0	2.2	0.0	4.9	0.0	2.0	0.0	2.2	0.0	1.2	21.0	11.3	1.2	1.5	23.4	2.7	0.0	0.9
27	1.2	1.1	0.0	1.7	0.0	2.7	5.5	2.3	0.0	4.0	0.0	1.9	0.0	2.2	2.8	1.2	0.1	8.9	13.4	1.9	0.0	1.8	0.0	0.9
28	0.0	1.0	38.9	4.9	0.0	2.6	0.4	2.2	0.0	3.5	33.9	3.2	0.0	2.0	0.0	1.1	0.0	6.1	11.5	2.1	0.0	1.5	0.0	0.8
29	0.0	1.0			3.5	2.6	0.0	2.0	0.8	3.1	9.6	4.7	0.0	1.9	0.0	1.0	0.0	4.9	10.5	3.1	0.0	1.4	0.2	0.9
30	0.0	1.0			0.0	2.4	0.0	2.0	47.6	8.5	0.0	2.9	0.0	1.8	0.0	1.0	0.0	4.3	0.0	2.0	5.6	1.5	0.0	0.9
31	0.0	1.0			0.0	2.3			0.0	5.8			4.7	1.8	0.0	0.9			0.0	1.8			0.0	0.9
total	46.4	39.1	125.2	42.8	201.7	149.3	139.0	93.5	242.9	105.4	155.6	106.3	221.8	178.1	99.5	44.2	339.0	130.2	113.6	79.2	75.9	45.9	25.4	33.2

HIGASHIYAMA

1967

unit: mm/day

annual precipitation: 1698.7

annual runoff: 929.0

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	2.3	0.9	0.0	1.3	0.0	0.9	0.4	2.6	0.4	3.5	0.0	1.2	0.0	3.1	0.0	2.0	5.0	1.3	2.0	0.9	0.0	2.4	8.0	2.2
2	19.3	1.9	0.0	1.2	0.0	0.9	0.0	2.3	18.4	4.8	0.0	1.2	1.2	2.5	0.4	1.9	32.5	2.7	20.8	1.4	0.0	2.1	0.0	1.7
3	0.6	1.2	0.0	1.1	0.0	0.9	29.7	3.5	0.0	3.8	0.0	1.1	56.0	11.0	0.0	1.8	0.6	2.2	17.5	2.1	4.0	2.0	0.0	1.6
4	0.2	1.1	0.0	1.1	0.0	0.8	1.0	4.0	0.0	3.2	0.0	1.1	17.5	8.6	0.0	1.6	2.0	1.7	0.7	1.7	0.0	1.9	0.0	1.5
5	2.4	1.0	0.0	1.0	34.5	2.0	20.6	6.0	0.0	2.9	0.1	1.1	0.0	5.6	0.0	1.6	0.0	1.6	0.6	1.3	0.0	1.7	0.0	1.4
6	0.0	1.0	0.0	1.0	16.8	5.4	0.0	4.3	0.0	2.8	0.0	1.0	6.5	4.4	0.0	1.4	0.2	1.4	2.7	1.3	22.9	2.7	0.0	1.3
7	0.0	1.0	0.0	1.0	0.0	2.8	0.0	3.6	23.0	3.3	0.0	1.0	22.2	6.3	0.0	1.3	0.0	1.3	6.7	1.2	0.0	2.4	0.0	1.3
8	0.0	1.0	0.0	1.0	0.0	2.1	0.0	3.1	3.9	4.2	0.0	0.9	3.5	5.0	0.0	1.3	0.0	1.2	10.0	1.9	0.0	1.9	0.0	1.3
9	0.0	0.9	6.9	1.1	0.0	1.9	14.5	3.2	0.0	3.2	1.0	0.9	19.4	5.8	0.0	1.3	0.0	1.2	0.0	1.4	0.5	1.8	0.0	1.2
10	0.0	0.9	5.1	1.1	0.0	1.7	25.5	5.3	21.3	3.5	14.7	1.5	144.0	65.5	0.0	1.2	0.2	1.1	0.0	1.2	0.0	1.7	0.0	1.2
11	0.0	0.9	1.4	1.2	15.9	2.4	10.2	5.6	23.4	6.8	0.0	1.2	0.0	27.3	0.0	1.1	0.0	1.0	0.0	1.1	0.0	1.5	0.0	1.2
12	9.4	0.9	2.7	1.2	0.0	1.9	0.9	4.7	0.0	5.3	0.0	1.0	6.6	13.0	0.0	1.1	0.5	1.0	0.0	1.0	17.8	2.0	0.0	1.1
13	0.0	1.1	0.1	1.0	0.0	1.7	11.9	4.6	0.0	4.2	0.0	0.9	22.3	12.4	42.3	5.0	33.5	1.2	0.0	1.0	0.0	2.2	0.0	1.1
14	0.0	1.0	0.7	1.0	0.0	1.5	23.2	6.6	0.0	3.6	0.0	0.9	0.0	9.6	9.1	2.2	4.7	3.4	22.0	1.5	0.0	1.7	7.0	1.1
15	0.0	0.9	0.0	0.9	0.0	1.5	1.0	6.3	0.0	3.2	0.0	0.8	1.7	7.9	0.0	1.8	0.0	1.5	0.6	2.0	0.0	1.6	14.7	2.4
16	0.5	0.8	0.0	0.9	5.6	1.6	19.8	6.7	0.0	2.9	0.0	0.8	0.0	6.3	8.5	1.9	0.0	1.3	0.0	1.3	0.0	1.5	0.5	1.5
17	0.0	0.8	0.0	0.9	0.0	1.5	16.9	8.4	0.0	2.6	0.0	0.8	0.0	5.5	0.0	1.6	2.1	1.3	0.0	1.1	0.0	1.5	0.0	1.4
18	0.0	0.8	0.0	0.9	18.5	2.0	0.5	6.8	0.0	2.5	0.0	0.7	0.0	5.0	0.0	1.3	0.0	1.1	16.0	1.7	0.0	1.4	0.0	1.2
19	0.0	0.8	0.0	0.9	0.0	2.1	5.6	5.9	0.0	2.3	0.0	0.8	0.0	4.5	0.0	1.2	0.7	1.1	0.0	1.4	0.0	1.4	3.7	1.2
20	0.0	0.9	0.0	0.8	0.0	1.7	50.7	11.4	0.0	2.2	6.2	1.1	13.6	4.8	6.0	1.2	2.3	1.0	0.0	1.2	14.0	1.7	10.3	1.9
21	0.0	0.8	0.0	0.9	0.0	1.5	0.0	13.9	0.0	2.1	0.0	0.8	0.3	4.0	21.2	2.4	25.3	1.4	0.0	1.1	3.1	2.0	2.0	1.5
22	0.0	0.9	0.0	0.9	27.0	2.7	0.0	8.5	0.0	2.0	0.0	0.8	0.0	3.6	2.6	1.9	2.7	2.5	0.0	1.1	0.0	1.5	0.0	1.4
23	0.0	0.9	1.9	0.9	0.3	2.7	0.0	6.6	0.0	1.9	2.3	0.8	0.0	3.3	30.4	3.0	0.0	1.4	0.0	1.0	0.0	1.4	0.0	1.3
24	0.0	0.8	6.2	1.2	0.0	2.2	0.0	5.7	0.0	1.8	1.4	0.8	0.0	3.1	0.0	2.5	0.0	1.2	0.0	0.9	0.0	1.4	0.0	1.3
25	0.0	0.8	12.1	1.3	0.0	2.0	0.0	5.0	0.0	1.7	0.7	0.7	1.9	3.0	0.0	1.7	0.0	1.1	1.1	0.9	0.0	1.3	0.2	1.2
26	0.0	0.8	0.0	1.2	0.0	1.8	0.0	4.6	0.0	1.6	44.4	3.6	0.0	2.7	0.0	1.4	0.0	1.0	0.0	0.9	0.0	1.2	0.0	1.2
27	0.0	0.8	0.0	1.0	37.8	2.9	0.0	4.2	0.0	1.5	0.0	1.6	0.0	2.5	0.1	1.3	0.0	0.9	15.3	1.1	0.0	1.2	1.9	1.2
28	0.0	0.8	0.0	0.9	0.4	3.9	0.9	3.9	0.0	1.5	11.4	1.2	0.0	2.3	0.0	1.2	0.0	0.9	74.9	7.8	10.7	1.3	0.0	1.2
29	38.0	2.5			0.0	2.9	13.4	4.1	2.2	1.7	96.2	18.6	0.0	2.2	7.5	1.7	0.0	0.9	0.6	8.1	8.7	2.0	0.0	1.1
30	1.0	2.3			0.0	2.5	1.2	4.0	0.0	1.4	0.0	6.0	12.6	2.8	3.6	1.5	0.0	0.8	0.0	3.7	4.6	1.7	0.0	1.0
31	0.0	1.5			12.7	2.8			0.0	1.3			0.0	2.3	0.1	1.2			0.0	2.8			0.0	1.0
total	73.7	32.7	37.1	28.9	169.5	65.2	247.9	165.4	92.6	89.3	178.4	54.9	329.3	245.9	131.8	53.6	112.3	41.7	191.5	57.1	86.3	52.1	48.3	42.2

HIGASHIYAMA

1968

unit: mm/day

annual precipitation: 1663.4

annual runoff: 914.9

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	3.7	0.8	24.6	3.4	0.0	4.1	0.0	5.5	0.0	1.6	0.0	2.2	11.0	3.0	0.0	6.8	25.2	3.2	0.0	1.7	0.0	1.1
2	0.0	1.0	0.3	0.8	0.0	2.6	0.0	3.4	0.0	4.2	0.0	1.5	3.4	1.9	2.5	2.9	0.0	5.2	0.0	2.2	0.0	1.6	0.0	1.1
3	0.0	1.0	0.3	0.8	0.0	1.8	0.0	3.0	0.0	3.6	4.5	1.7	45.5	6.4	0.0	2.4	0.0	4.3	0.0	1.8	0.0	1.5	0.7	1.1
4	0.0	1.0	0.0	0.9	0.0	1.5	0.0	2.7	25.4	4.5	5.3	1.8	0.0	4.5	0.0	2.1	3.9	3.8	33.5	3.0	0.0	1.5	0.0	1.1
5	0.0	1.0	0.0	0.8	0.0	1.4	0.0	2.5	10.0	5.3	0.0	1.5	0.0	3.3	0.0	1.9	8.4	3.9	6.2	4.7	0.0	1.4	20.1	1.6
6	0.0	1.0	0.0	0.8	4.8	1.9	16.7	3.3	0.0	4.2	0.0	1.5	38.3	5.3	0.0	1.7	0.0	3.4	0.2	3.2	39.8	3.0	37.6	6.4
7	16.4	1.6	0.0	0.8	0.0	1.4	0.0	2.7	11.1	3.8	0.0	1.4	22.9	12.7	0.2	1.7	0.0	3.0	0.0	2.6	0.0	3.4	0.2	2.5
8	0.0	1.3	0.0	0.8	0.7	1.2	0.0	2.4	46.3	10.3	0.0	1.3	3.3	6.1	0.0	1.6	0.0	2.8	22.7	3.8	0.0	2.2	0.0	2.1
9	0.0	1.1	0.0	0.8	11.5	2.6	0.0	2.2	0.0	9.7	8.7	1.7	8.6	5.4	0.0	1.5	19.6	3.5	0.0	3.2	0.2	2.0	0.0	1.8
10	0.0	1.0	0.0	0.7	0.3	1.4	1.8	2.1	0.0	6.3	7.0	1.4	0.0	4.3	1.9	1.5	0.0	2.8	19.6	4.0	17.1	2.8	9.9	2.0
11	0.0	1.0	0.0	0.7	0.0	1.3	14.6	2.7	0.0	5.2	38.7	5.5	0.0	3.7	3.2	1.4	0.0	2.4	0.0	3.6	0.0	2.3	0.3	1.8
12	0.0	1.0	0.9	0.7	20.5	2.3	7.2	3.0	0.0	4.5	0.0	2.2	0.0	3.3	0.7	1.5	0.0	2.2	0.0	3.0	0.2	2.0	15.4	1.8
13	1.5	1.0	0.0	0.7	0.0	2.1	0.0	2.5	17.5	4.8	0.3	1.7	0.0	3.1	0.0	1.3	1.2	2.2	0.0	2.7	0.0	1.9	22.2	5.0
14	8.6	1.4	0.0	0.7	0.0	1.8	0.0	2.2	0.6	4.3	0.0	1.6	0.0	2.7	0.0	1.3	28.1	3.3	0.0	2.5	0.0	1.8	0.0	3.5
15	0.1	1.1	2.0	0.8	0.0	1.6	0.0	2.2	0.0	3.6	0.2	1.5	0.0	2.5	0.0	1.2	7.4	4.2	1.0	2.4	0.0	1.7	5.5	3.0
16	7.2	1.0	30.9	0.9	0.4	1.5	0.0	2.0	0.0	3.3	21.5	2.1	39.0	3.4	3.2	1.9	0.4	3.0	0.0	2.2	0.0	1.7	0.0	2.6
17	1.8	1.1	0.0	1.1	8.4	1.8	0.0	1.9	0.0	3.1	0.0	2.0	24.5	9.2	0.0	1.4	0.0	2.6	0.0	2.0	0.8	1.6	0.0	2.3
18	0.0	1.1	0.0	0.9	0.0	1.5	2.2	1.8	0.0	3.0	1.3	1.6	0.2	5.2	6.7	1.3	0.2	2.4	0.0	1.9	0.0	1.5	0.0	2.2
19	0.0	1.1	3.3	0.9	0.0	1.4	24.0	3.1	12.5	3.0	0.0	1.5	0.0	4.2	0.0	1.4	0.0	2.2	0.0	1.8	0.0	1.5	5.3	2.1
20	0.0	1.0	7.6	1.4	0.0	1.3	0.0	2.6	8.7	3.9	21.2	2.4	0.0	3.6	0.0	1.1	0.0	2.1	0.0	1.7	0.0	1.4	0.3	2.1
21	0.0	1.0	0.0	1.0	49.0	3.9	0.0	2.2	0.0	3.0	0.0	1.8	0.0	3.2	0.0	1.0	0.3	1.9	0.0	1.6	3.4	1.4	1.4	1.9
22	0.0	1.0	0.0	0.9	2.7	6.4	0.0	2.0	0.0	2.7	0.0	1.5	0.0	2.9	8.7	1.4	0.0	1.8	0.0	1.6	0.0	1.4	8.5	1.9
23	0.0	1.0	1.4	0.9	0.0	3.7	4.8	2.0	0.0	2.5	0.0	1.3	0.0	2.6	0.0	1.1	0.8	1.8	0.5	1.5	0.0	1.4	0.0	2.2
24	0.0	0.9	0.0	0.9	0.0	3.0	1.7	2.0	0.0	2.4	0.0	1.2	0.0	2.4	0.0	1.0	0.0	1.7	38.5	2.7	0.0	1.3	0.0	1.8
25	0.0	0.9	0.0	0.8	5.5	2.8	0.0	1.8	0.0	2.2	4.4	1.2	0.0	2.3	0.0	0.9	12.5	2.2	11.3	4.4	0.0	1.3	0.0	1.7
26	0.4	0.9	0.0	0.8	18.5	3.6	0.0	1.7	0.0	2.1	6.0	1.5	0.0	2.1	92.7	7.1	2.3	2.0	0.0	2.8	0.0	1.3	0.0	1.7
27	0.0	0.9	0.0	0.8	0.5	3.3	0.0	1.7	0.0	2.0	23.7	2.3	0.0	2.0	13.0	10.9	6.5	2.2	0.0	2.3	0.0	1.3	6.8	2.0
28	0.0	0.9	0.0	0.9	8.2	3.0	4.2	1.6	8.3	2.3	25.5	3.4	0.0	1.9	36.1	7.2	0.0	1.9	0.0	2.1	0.8	1.2	0.0	1.7
29	0.0	0.9	0.0	1.0	0.0	2.9	76.2	10.5	0.0	1.9	1.7	4.1	2.2	1.9	9.7	9.1	0.0	1.7	0.0	2.0	0.0	1.2	0.0	1.6
30	1.6	0.9			0.2	2.6	1.9	9.8	0.0	1.8	0.0	2.7	33.1	3.7	57.6	25.4	0.0	1.5	0.0	2.2	0.0	1.1	0.0	1.5
31	0.0	0.9			29.6	4.9			0.0	1.7			9.3	3.4	0.0	11.2			0.0	1.8			0.0	1.5
total	37.6	32.1	50.4	24.8	185.4	75.9	155.3	87.7	140.4	120.7	170.0	58.5	230.3	121.4	247.2	110.4	91.6	84.8	158.7	80.5	62.3	51.4	134.2	66.7

HIGASHIYAMA

1969

unit: mm/day

annual precipitation: 1815.7

annual runoff: 1124.2

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	1.5	21.6	2.9	1.4	1.8	0.0	4.8	0.0	2.7	0.0	1.4	10.4	20.9	19.8	3.4	0.0	1.8	17.1	1.9	0.0	1.1	11.1	1.3
2	0.0	1.4	0.0	2.6	0.0	1.8	0.0	4.0	0.0	2.2	0.0	1.2	33.3	16.5	41.5	7.5	0.0	1.7	4.3	2.5	0.0	1.0	0.0	0.9
3	0.0	1.3	0.0	2.1	0.0	1.7	0.0	3.5	0.0	2.1	0.0	1.1	8.3	22.7	4.0	4.1	49.0	8.0	0.0	1.8	0.0	1.0	0.8	0.9
4	11.4	1.4	0.0	1.8	6.5	1.7	0.0	3.2	0.0	2.0	45.3	5.1	0.0	11.3	10.6	3.7	0.0	3.3	0.0	1.6	0.0	1.0	0.0	0.9
5	0.0	1.4	22.3	2.7	13.2	3.1	44.5	8.4	0.0	1.9	0.0	2.4	80.4	23.6	108.0	26.1	0.0	2.7	0.0	1.5	0.0	0.9	0.0	0.8
6	0.0	1.4	0.0	2.6	0.0	2.1	0.0	5.7	6.5	2.0	21.7	2.3	11.6	24.8	0.0	17.2	2.7	2.4	0.0	1.4	0.0	0.9	0.0	1.2
7	0.0	1.3	0.0	2.1	0.0	1.9	0.0	4.6	0.0	1.9	2.0	3.2	0.0	14.6	0.0	8.4	0.0	2.2	0.0	1.3	0.0	0.9	16.8	4.7
8	0.7	1.3	0.0	2.0	0.3	1.9	0.0	4.1	0.0	1.7	0.0	2.2	12.9	11.8	0.0	5.9	10.3	2.7	1.1	1.3	0.2	0.9	31.7	2.5
9	0.0	1.3	0.4	1.9	0.0	1.8	5.3	3.9	0.0	1.7	0.0	1.9	73.2	31.7	2.5	5.0	0.0	2.1	5.0	1.5	0.0	0.9	0.0	1.9
10	0.0	1.3	0.0	1.8	0.0	1.7	3.2	3.6	0.0	1.5	0.0	1.6	21.8	26.3	0.0	4.3	0.8	1.9	0.0	1.2	0.0	0.8	0.0	1.6
11	2.5	1.3	0.0	1.7	0.0	1.6	0.0	3.3	14.7	1.9	0.0	1.5	4.2	17.0	3.1	3.9	15.1	2.9	0.0	1.2	0.0	0.8	0.0	1.4
12	0.2	1.6	0.6	1.6	26.2	2.1	0.0	3.0	0.3	2.1	1.4	1.4	0.2	12.8	0.0	3.6	0.0	2.2	0.0	1.1	0.0	0.8	0.0	1.4
13	0.0	1.4	0.0	1.5	24.8	6.4	0.0	2.9	0.0	1.6	17.1	2.2	1.4	10.6	0.0	3.2	0.0	1.9	0.0	1.0	0.0	0.8	1.5	1.2
14	0.0	1.2	3.2	1.5	0.0	3.7	0.0	2.7	0.2	1.5	0.0	1.8	0.0	9.2	0.0	2.8	0.0	1.8	0.0	1.0	0.0	0.8	0.0	1.2
15	0.5	1.2	7.5	2.0	1.0	3.2	0.0	2.6	0.0	1.4	0.0	1.4	0.0	7.7	0.0	2.6	0.3	1.7	0.0	1.0	0.0	0.8	0.0	1.1
16	0.0	1.2	0.3	1.6	0.0	2.8	1.1	2.5	0.0	1.4	0.0	1.3	0.0	6.7	0.0	2.5	0.0	1.7	0.8	1.0	36.5	2.6	0.2	1.0
17	0.0	1.1	12.5	2.2	2.4	2.6	66.4	7.1	15.4	1.7	0.0	1.2	0.0	6.0	0.0	2.4	2.1	1.6	3.4	1.1	7.1	1.8	0.0	1.0
18	0.0	1.1	21.6	2.1	0.0	2.4	0.7	6.4	13.1	3.1	16.3	1.8	0.0	5.5	0.0	2.3	0.0	1.5	0.0	1.0	1.9	1.6	0.0	1.1
19	1.9	1.2	10.1	3.8	0.0	2.2	0.0	4.5	3.8	1.9	0.0	1.6	1.7	5.0	0.0	2.2	0.0	1.4	0.0	0.9	0.0	1.2	0.0	1.0
20	0.1	1.2	1.3	3.2	3.4	2.2	0.0	3.9	0.0	1.7	10.1	1.8	0.0	4.7	0.0	2.0	0.0	1.3	0.0	0.9	0.0	1.2	0.0	1.0
21	0.0	1.1	5.0	2.9	23.8	3.1	0.0	3.5	0.0	1.5	0.2	1.5	0.0	4.2	4.0	2.9	0.0	1.3	0.0	0.9	3.6	1.3	0.0	1.0
22	1.1	1.1	0.0	2.5	0.4	3.2	5.0	3.4	0.0	1.4	18.4	2.3	0.0	3.9	0.0	2.1	0.0	1.2	0.8	0.9	0.0	1.1	0.0	1.0
23	0.5	1.1	0.0	2.3	0.4	2.7	0.3	3.2	2.0	1.4	0.5	2.1	0.0	3.6	52.8	5.2	0.0	1.2	0.0	0.8	4.5	1.1	0.0	1.0
24	0.0	1.0	0.6	2.2	0.0	2.5	0.0	2.9	0.0	1.3	1.1	1.8	10.2	3.7	6.4	6.6	23.4	2.3	0.0	0.8	0.0	1.0	0.0	0.9
25	0.0	1.0	0.0	2.1	0.0	2.2	0.0	2.8	9.7	1.4	0.0	1.5	4.3	3.9	0.0	3.2	19.7	3.0	36.5	1.6	0.4	0.9	0.0	0.9
26	19.8	1.9	0.0	1.9	0.0	2.2	6.3	3.0	6.2	1.7	120.0	29.5	0.0	3.2	14.3	3.1	9.4	2.8	22.0	4.9	0.0	0.9	4.9	0.9
27	2.0	1.5	3.3	1.9	0.0	2.1	1.7	2.8	0.0	1.3	5.2	14.5	0.2	2.9	0.0	3.1	0.0	2.3	0.0	1.9	0.0	0.9	1.3	1.0
28	0.0	1.3	4.6	1.9	0.0	2.0	1.7	2.6	10.2	1.5	0.5	7.6	0.2	2.7	0.0	2.5	0.1	1.8	0.0	1.4	0.0	0.9	0.0	0.9
29	21.5	1.4			2.7	1.9	0.0	2.4	0.0	1.5	2.2	5.5	0.0	2.5	0.0	2.2	0.0	1.7	0.0	1.3	0.0	0.9	0.0	0.8
30	8.9	2.2			57.8	5.7	10.9	2.5	0.0	1.3	69.5	12.9	0.0	2.3	0.0	2.0	0.0	1.5	0.0	1.2	1.0	0.9	0.0	0.9
31	0.3	1.8			3.3	8.6			12.4	1.7			0.0	2.1	0.0	1.8			0.0	1.1			0.0	0.8
total	71.4	41.5	114.9	61.4	167.6	84.9	147.1	113.8	94.5	54.0	331.5	117.6	274.3	324.4	267.0	147.8	132.9	65.9	91.0	43.0	55.2	31.7	68.3	38.2