

## Data and analysis

The data was collected from the output file, organized in tables and analyzed as charts. Result is shown below.

**Table 1 Overall result of simulation**

Number of Trains	Number of Cars	Total Number of passenger	Average waiting time(s)	Total number of waiting passengers	Ave number of waiting passengers	Max number of waiting passengers
10	2	2787	2412	2264	98	201
12	2	3083	2225	1494	65	168
14	2	3288	2117	819	36	93
16	2	3327	2038	648	28	67
20	2	3401	1984	240	10	33
22	2	3431	1912	129	6	12
24	2	3439	1931	128	6	12
10	3	3216	2305	928	40	74
12	3	3353	2121	457	20	54
14	3	3415	2066	356	15	38
16	3	3329	2007	326	14	33
20	3	3411	1963	296	13	50
22	3	3421	1898	118	5	14
24	3	3463	1955	122	5	14

Table 2 Detailed data for each station

Num of Trains	Num of Cars	Station Number and Number of passenger waiting in that station																								
		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22		
10	2	51	33	30	21	46	102	53	123	201	170	164	187	157	158	155	182	133	118	40	22	27	37	5		
12	2	3	39	29	24	7	23	8	66	150	137	122	109	156	168	79	75	95	107	8	26	25	36			
14	2	24	10	5	37	19	13	12	29	93	79	69	69	75	78	32	21	29	28	19	30	9	13	2		
16	2	25	15	10	29	19	9	14	20	49	40	67	56	45	53	28	37	15	21	20	29	6	14	2		
20	2	9	14	8	28	29	13	9	1	8	0	10	2	7	1	6	0	5	10	20	33	4	16			
22	2	11	1	8	1	9	2	9	1	6	1	9	2	8	1	9	1	5	11	9	0	11	2	1		
24	2	10	0	10	2	10	1	8	1	7	2	9	0	9	4	9	3	8	1	10	1	10	1	1		
10	3	45	40	21	20	18	12	19	33	42	44	70	73	65	74	71	63	33	26	16	18	30	43	5		
12	3	54	40	32	21	13	8	12	29	35	10	11	23	10	11	13	23	2	13	7	21	34	35			
14	3	22	10	4	28	21	14	14	12	12	9	13	11	16	6	9	13	11	9	20	36	38	10	1		
16	3	25	12	2	32	12	11	9	17	13	5	10	15	12	14	13	9	11	8	19	33	5	15	2		
20	3	11	0	50	27	18	8	10	1	9	1	8	0	8	2	7	1	9	3	26	35	49	1	1		
22	3	7	1	9	2	11	3	9	0	7	1	7	1	7	1	7	2	6	1	11	0	10	1	1		
24	3	9	1	10	1	7	10	7	1	8	1	7	1	6	1	6	1	8	0	14	0	10	2	1		