

# Problem Set Descriptions

Instance	Railway Points	Trains	Turnout Points	Disruptions
p1	10	2	1	No
p2	15	3	1	No
p3	20	4	2	No
p4	25	5	2	No
p5	30	6	3	No
p6	40	8	4	No
p7	50	10	5	No
p8	68	15	7	No
p9	92	20	10	No
p10	117	25	12	No
p11	141	30	15	No
p12	164	35	17	No
p13	187	40	20	No
p14	237	50	25	No
p15	279	60	30	No
p16	326	70	35	No
p17	375	80	40	No
p18	400	85	42	No
p19	429	90	45	No
p20	459	95	47	No
p21	488	100	50	No
p22	50	10	5	Track: 5
p23	92	20	10	Track: 10
p24	141	30	15	Track: 15
p25	117	25	12	Train: 3
p26	187	40	20	Train: 5
p27	237	50	25	Track: 8, Train: 3

Instance	Railway Points	Trains	Turnout Points	Disruptions
p28	326	70	35	Track: 10, Train: 4
p29	400	85	42	Track: 12, Train: 5
p30	488	100	50	Track: 15, Train: 6

Note: Instances p22-p30 include disruption scenarios (Track and/or Train disruptions).