These are the figures when the number of targets varies from 2-10 with the number of observations = 3, and number of resources = 1. Or when the number of observations varies from 2-10 with the number of targets = 3, and number of resources = 1. Each data point in the figures is the average over 50 iterations. The payoffs range from [-100,-1] for the penalty and [1,100] for the reward.

Below are the run times:

These are the objective values comparing the convex (P2) versus the non-convex formulation (P3).