Test Case	Time (milliseconds): home / flip2	Min distance
1	1.305 / 0	6143
2	2.642 / 0	9847
3	12.04 / 10	15262
4	44.097 / 40	20498
5	177.639 / 170	28162
6	607.522 / 720	39833
7	4083.05 / 4600	62586