

Test case 1:

Edges in MST

Point (x,y)	Distance
(0,1) - (2,1)	2
(0,1) - (2,5)	4
Total distance 6	

Test case 2:

Edges in MST

Point (x,y)	Distance
(1,1) - (0,4)	3
(1,1) - (4,4)	4
(4,4) - (4,8)	4
(0,0) - (1,1)	1
Total distance 12	

Test case 3:

Edges in MST

Point (x,y)	Distance
(3,7) - (1,9)	3
(3,6) - (8,10)	6
(6,1) - (3,6)	6
(8,10) - (7,11)	1
(15,15) - (20,10)	7
(3,6) - (3,7)	1
(0,0) - (6,1)	6
(8,10) - (9,12)	2
(9,12) - (15,15)	7
Total distance 39	

Test case 4:

Edges in MST

Point (x,y)	Distance
(1,1) - (2,2)	1
(2,2) - (3,3)	1
(3,3) - (4,4)	1
(4,4) - (5,5)	1
(5,5) - (6,6)	1
(6,6) - (7,7)	1
(7,7) - (8,8)	1
(8,8) - (9,9)	1
(9,9) - (10,10)	1
(10,10) - (11,11)	1
(11,11) - (12,12)	1
Total distance 11	