**Approach 1: BruteForce Approach/ extra space**

1) find all possible pairs of points

2) Of these find those points where difference in x-cord is <=k, if so calculate max\_value as per guided

Time Complexity => O(n^2)

Space COmplexity => O(1)

**Code:**

n = len(points)

max\_point = sys.maxsize\*-1

for i in range(n):

x1,y1 = points[i]

for j in range(i+1, n):

x2,y2 = points[j]

if abs(x2-x1) <= k:

max\_point = max(max\_point, y1+ y2 + abs(x1-x2))

return max\_point