CSE221

Assignment: 02

import math

def euclidean_dist (p1, p2):

network [math . sgrt ((p1[0]-p2[0]++2 +(p1[1]-p2[1]+2)

def closest_pair (points):

n = len (points) (tages) to

neturn None, None float (!inf)

min - dist = float (infi)

dosest-p1 = None broggo string

closest - P2 = None

for the monge (n):

for gon range (°+1,n): dist = e - dist (points [i] [1], points [j] [1])

if dist < min-dist :

min-dist = dist

closest p1 = point [] [0] closest - p2 = pants [j] [o]

meturn closest-p1, closest-p2, min-dist

if _name = "main" et : eg) mag teseolo

n = int (inputo) (etaileg) not

for 9 in nange (n):

x, y = map (int, input () . split ())

points. append ((i+1, (x,y)))

p1 ,p2, dist = closest_pair (points)

print (p1, p2, "{:. 6} }". format (dist))