Test Cases

1. No lines of more than 2 collinear points.

Points: (0,0) (1,1) (1,2) (2,3) (0,2) (10,0) (5,3) (2,6) (2,8) (0,6)

Expected output: No lines

1. No lines of more than 3 collinear points.

Points: (0,0) (1,1) (2,2) (2,3) (0,2) (10,5) (5,3) (2,4) (2,8) (2,1)

Expected output: No lines

1. Lines of 4 or more collinear points.

Points: (0,0) (1,1) (2,2) (3,3) (4,4) (10,5) (6,3) (4,2) (8,2) (3,9)

Expected output: Lines: Points at (0,0) (1,1) (2,2) (3,3) (4,4) are collinear. Points at (10,5) (6,3) (4,2) (8,2)+ are collinear