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You are given an array coordinates, coordinates[i] = [x, y], where [x, y] represents the coordinate of a point. Check if these points make a straight line in the XY plane.

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class Solution {

private boolean isOnLine(int []p1,int[] p2,int []p3){

int x = p1[0], y = p1[1], x1 = p2[0], y1 = p2[1], x2 = p3[0], y2 = p3[1];

return ((y - y1) \* (x2 - x1) == (y2 - y1) \* (x - x1));

}

public boolean checkStraightLine(int[][] coordinates) {

for(int i = 2;i < coordinates.length; i++){

if(!isOnLine(coordinates[i], coordinates[0], coordinates[1]))

return false;

}

return true;

}

}