Task. Area of a convex polygon

Given is a sequence of *n* vertices of a convex polygon in the plane. Vertices are ordered in clockwise or counterclockwise direction. Write program **convex** to compute the area of this convex polygon.

Input: On the first line, the number of the vertices is written. It follows the vertices of the polygon, written as a sequence of pairs of coordinate.

Output: Found area as a decimal value with exactly one digit in the fractional part.

Constraints: $2 < n < 100$; the coordinates of the given points are positive integers, less than 100.

Example 1.
Input
3
0 0
0 1
1 1
Output
0.5

Example 2.
Input
4
0 0
1 1
0 1
1 0
Output
1.0