

# Note

The question doesn't state this, but the output needs to be rounded to 2 decimal points

# Josh Solution

import numpy

n = int(input())

a=numpy.array([list(map(float,input().split())) for \_ in range(n)])

print(numpy.linalg.det(a))

# Other Solutions

print(round(numpy.linalg.det(numpy.array([list(map(float,input().split())) for \_ in range(int(input()))])),2))