Category: Easy

Competition: CSI KJSCE Code Wars 2017-18: 1 day competitive coding competition. For trying the question in competition:

<https://www.hackerrank.com/contests/codewars2-round1/challenges/kjsce-design-team>

Concepts Tested:

1. Understanding of Queue data structure and its application.
2. Basic application of mid-point theorem and distance formula
3. Observation of the properties of the given system requires good observational and analytical skills. The second part of the challenge is based purely on the observation that the edge length reduces somewhat exponentially with the number of edges and becomes insignificant.