

# Problem of the day

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## 1 Problem Statement

We are taking the a train today and there are  $n$  stops. This particular train line has inbound or out bound trains. In bound train is moving from station 1, station 2, to station  $n$ . Meanwhile, the out bound train is moving from station  $n$ ,  $n - 1$ , to station 1.

Jeff is about to travel from station  $X$  to station  $Y$  using one of the inbound and out bound train. Determine whether the train stops at station  $K$  during this travel.

### Constraints

1.  $3 \leq n \leq 100$
2.  $1 \leq X, Y, K \leq n$
3.  $X, Y, K$  are distinct
4. All input values are integers.

**Input**  $N X Y K$

**Test Case 1:** 7 6 1 3

**output:** Yes