



# Picking up carrots



Five houses are connected by paths. Children living in the houses want to make sure the Easter Bunny visits each house. They have left a carrot for the Easter Bunny on each path, as shown.



The Easter Bunny starts from Rina's house R. It takes one minute to hop along any path between two houses.

## QUESTION

Which of the following routes allows the Easter Bunny to pick up all the carrots and return to house R in the shortest amount of time?

- A.  $R \rightarrow P \rightarrow Q \rightarrow S \rightarrow R \rightarrow P \rightarrow T \rightarrow S \rightarrow P \rightarrow R$
- B.  $R \rightarrow S \rightarrow T \rightarrow P \rightarrow Q \rightarrow S \rightarrow P \rightarrow R$
- C.  $R \rightarrow S \rightarrow P \rightarrow Q \rightarrow P \rightarrow T \rightarrow S \rightarrow R$
- D.  $R \rightarrow P \rightarrow Q \rightarrow S \rightarrow T \rightarrow P \rightarrow R$

