



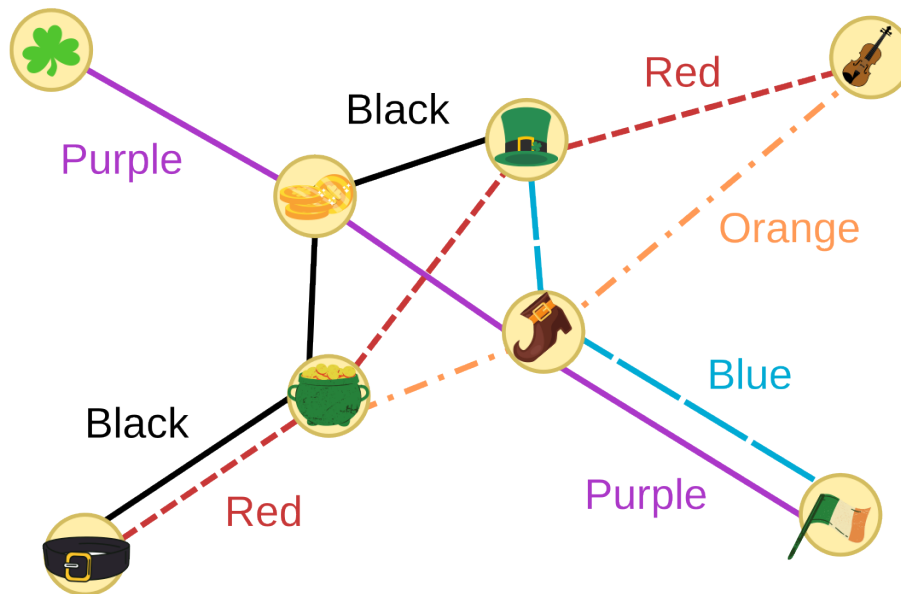
Penny pinch railways



Leprechaun island has eight railway stations and five railway lines. The railway lines are shown in the diagram below, each with a different colour. It is possible to travel from any station to any other station using at most one railway line transfer.

For example, to get from Shamrock Station to Fiddle Station one could take the purple line to Shoe Station, transfer to the orange line, and go to Fiddle Station. As another example, to go from Belt Station to Flag Station, take the black line to Four Coins Station and transfer to the purple line.

Leprechauns are penny pinchers; they love their gold coins. They have decided to shut down two railway lines to save money. However, after the two lines are shut down it still must be possible to travel between any two stations using at most one railway line transfer.



QUESTION

Which two lines can be shut down?

- A. Red and blue
- B. Orange and blue
- C. Black and orange
- D. Black and blue

