



Express trains

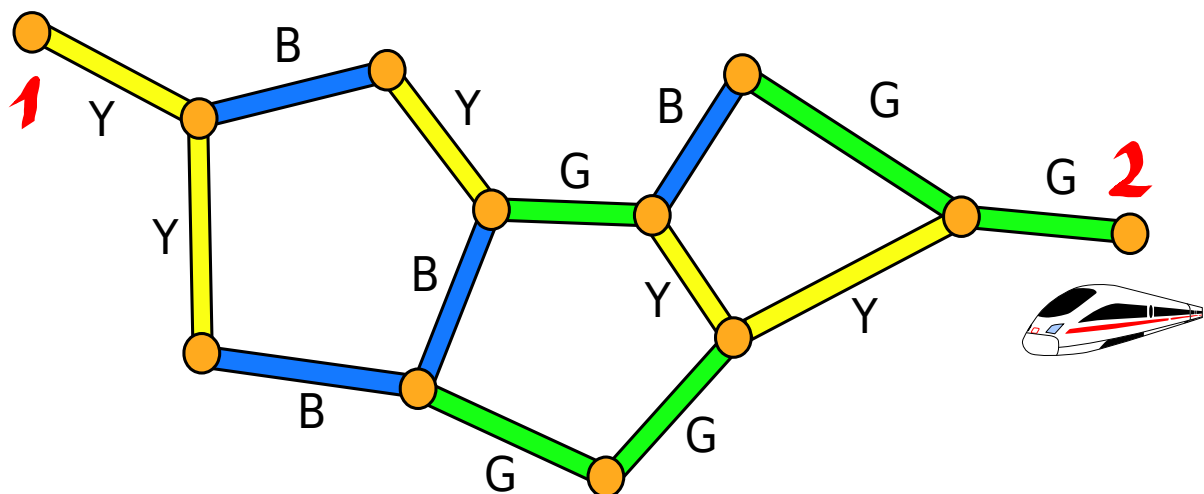


When Brian and Anna went on a summer holiday to a city they came up with an interesting system of recording the train movements in the city.

Two trains are going towards each other starting from stations 1 and 2. The map below shows all the stations. The rail tracks between stations are labelled with colours.

At each moment, one of the trains is moving, and the other train is stopped at some station. While a train moves, the colour of the rail track it is using (either blue, green, or yellow, marked as B, G, or Y, respectively) is recorded. Unfortunately, the recording does not show which of the trains was moving.

For example, the recording BG can either mean that one of the trains passed over a blue and then a green rail track, or it could mean that one train passed over a blue rail track, and then the other train passed over a green rail track.



QUESTION

The two trains meet at a station. Which of the following is a possible recording of the trains' movements up to that station?

- A. GYGBGYBB
- B. YYBYGGBG
- C. GBYBYGY
- D. YBBYBYY

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