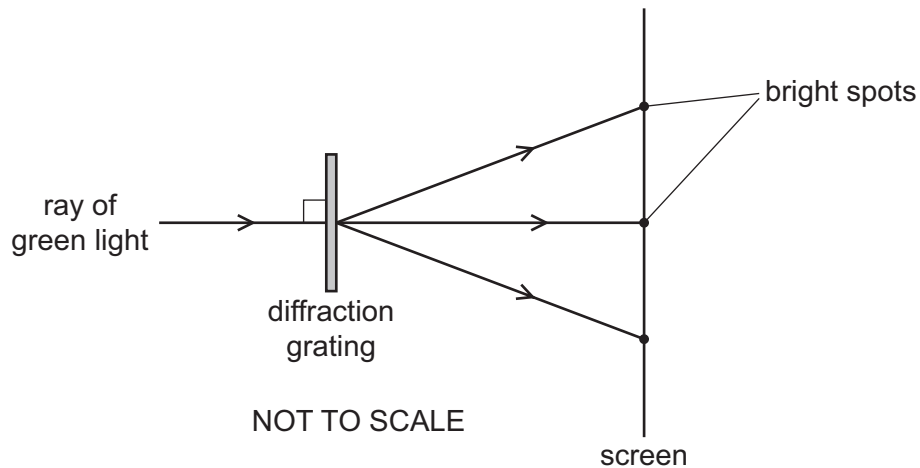


- 30** A ray of green light is incident normally on a diffraction grating. Several bright spots are produced on a screen on the other side of the grating, as shown.



Which pair of changes could result in bright spots at exactly the same angles as previously?

- A** Use blue light and increase the distance between the grating and the screen.
- B** Use blue light and increase the number of lines per unit length in the grating.
- C** Use red light and increase the distance between the grating and the screen.
- D** Use red light and increase the number of lines per unit length in the grating.