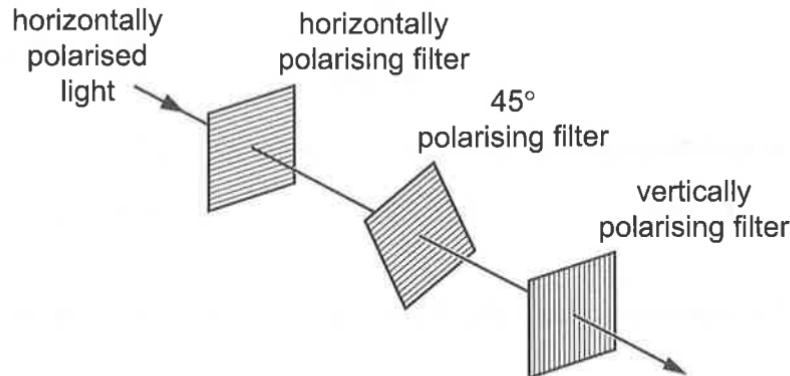


**15** Three ideal polarising filters are arranged in the order shown.



Horizontally polarised light of intensity  $I_0$  is incident on the first filter.

What is the intensity of the light that emerges from the third filter?

- A**  $0$
- B**  $0.25I_0$
- C**  $0.50I_0$
- D**  $0.71I_0$

