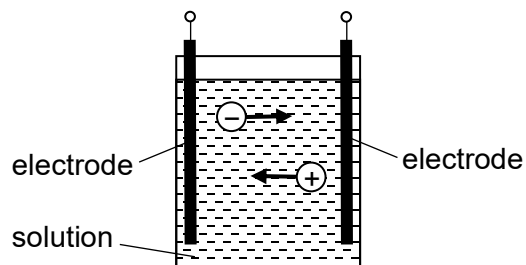


- 19 A pair of electrodes are immersed in a solution with positive and negative ions. When a potential difference is applied across the electrodes, positive ions move to the left and negative ions move to the right.



The rate of flow of positive and negative ions is 3 C s^{-1} and 4 C s^{-1} respectively.

What is the magnitude and direction of the current produced?

- | | | | |
|----------|------------------|----------|-----------------|
| A | 1 A to the right | B | 3 A to the left |
| C | 4 A to the right | D | 7 A to the left |