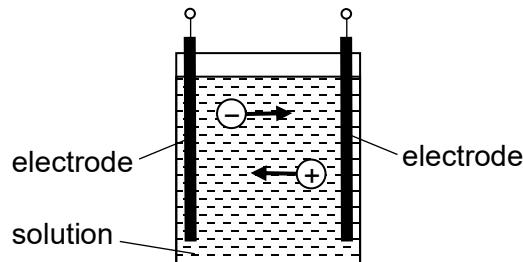


- 19** A pair of electrodes are immersed in a solution with positive and negative ions. When a potential difference is applied across the electrodes, positive ions move to the left and negative ions move to the right.



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