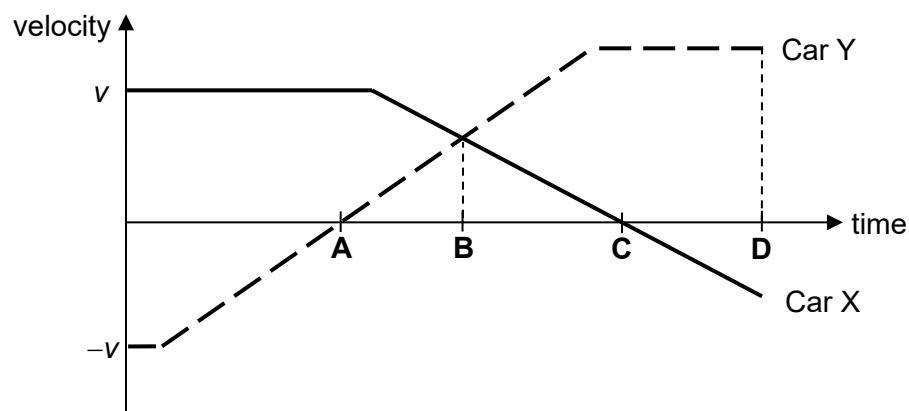


- 3 Car X and Car Y are at a distance apart and they move towards each other with the same initial speed v .



The graph shows the variation of velocity of the cars with time.



At which time are the cars at their distance of closest approach?