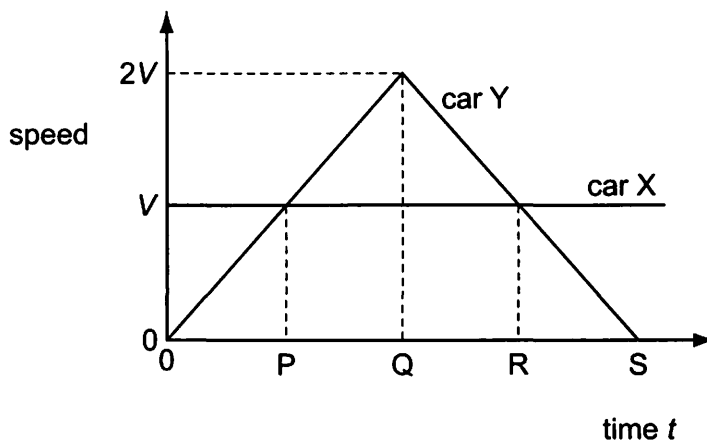**7** Car X travels at a constant speed V along a motorway. At a time $t = 0$, it passes car Y which immediately accelerates uniformly from rest to speed $2V$. Car Y then decelerates uniformly to rest.

(Time 0Q = time QS.)

Which statement is correct?

A At time Q, car Y overtakes car X.

B At time R, car X overtakes car Y.

C At time Q, car Y has travelled twice as far as car X.

D At time S, car X has travelled twice as far as car Y.