

$$\text{given} \Rightarrow Y = (A+B)(A+C)(B+C')$$

on solving

$$Y = (A+B+CC')(A+BB'+C)(AA'+B+C')$$

$$Y = (A+B+C)(A+B+C')(A+C+B)(A+C+B')(A+B+C')(A'+B+C')$$

$$Y = (A+B+C)(A+B+C')(A+B'+C)(A'+B+C')$$