

9. Let E_1 be the event in which an error is thrown in the first block and E_2 the event in which an error is thrown in the second block $\Rightarrow P(E_1) = 0,2$, $P(E_2) = 0,3$

The probability of both events happening at the same time is $P(E_1 \cap E_2)$, but because the 2 blocks are written independently, the 2 events are also independent \Rightarrow

$$\begin{aligned}\Rightarrow P(E_1 \cap E_2) &= P(E_1) \cdot P(E_2) = 0,2 \cdot 0,3 \\ &= \frac{6 \cdot 100}{100 \cdot 100} = 6\%\end{aligned}$$