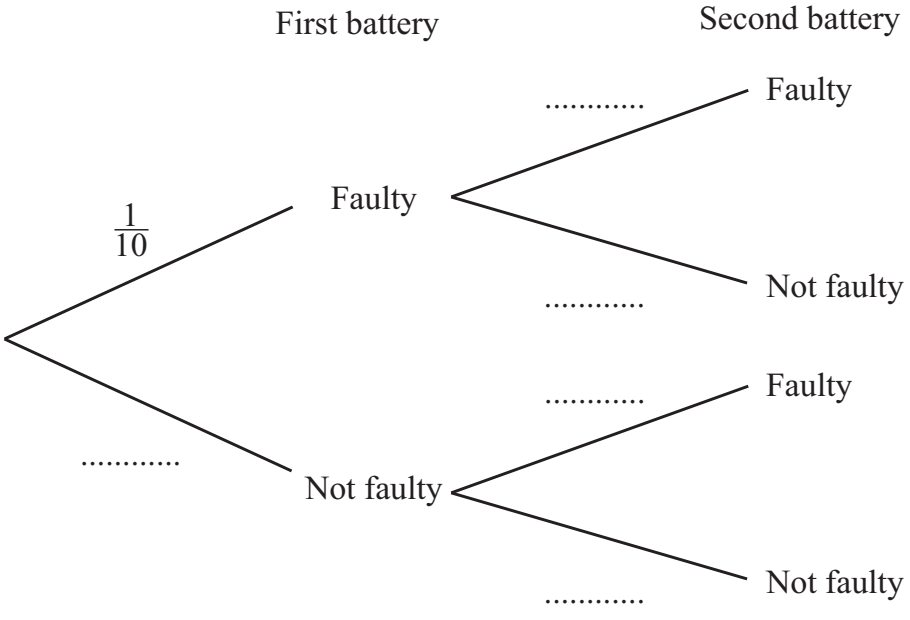
23 Mai buys two batteries.
The probability that a battery is faulty is $\frac{1}{10}$.



(b) Find the probability that Mai buys two faulty batteries.

..... [2]

(c) A shop sells 3000 batteries in one month.

Work out the expected number of faulty batteries the shop sells.

..... [1]