

2. A factory buys 10% of its components from supplier A , 30% from supplier B and the rest from supplier C . It is known that 6% of the components it buys are faulty.

Of the components bought from supplier A , 9% are faulty and of the components bought from supplier B , 3% are faulty.

- (a) Find the percentage of components bought from supplier C that are faulty.

(3)

A component is selected at random.

- (b) Explain why the event “the component was bought from supplier B ” is not statistically independent from the event “the component is faulty”.

(1)