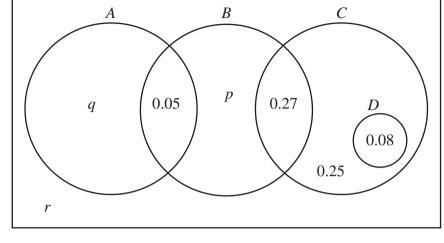
The Venn diagram, where p, q and r are probabilities, shows the events A, B, C and Dand associated probabilities. В CA



The events
$$B$$
 and C are independent.

(e) Find $P([A \cup B]' \cap C)$

(c) Find the greatest possible value of
$$P(A \mid B')$$

Given that
$$P(B \mid A') = 0.5$$

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$$B \mid A' = 0.5$$

Given that
$$P(B \mid A') = 0.5$$

(d) find the value of q and the value of r

(f) Use set notation to write an expression for the event with probability p

$$(B \mid A') = 0.5$$

Solution A' and the value of A'

(3)

(1)

(1)

(1)