Suppose A, B, and C are three events in the sample space of an experiment such that

$$\begin{aligned} P(A \cup B \cup C) &= 0.9 \\ P(A \cup B) &= 0.7 \\ P(AB^cC^c) &= 0.4 \\ P(ABC) &= 0.25 \end{aligned}$$

What is the probability of the union of the events A^cB^cC and $A^cB^cC^c$?

(a) 0.3

(b) 0.1

(c) 0.2

(d) 0.4

(e) 0.5

(f) 0.6

(g) 0.7

(h) 0.15

(i) 0.75

(j) 0.35

(k) 0.65

(l) None of these