

Let $S = \{a, b, c, d\}$ be a sample space for an experiment. Let E be the event that a is not observed and F be the event that d is not observed. What is the event that either E occurs but F does not occur, or else F occurs but E does not occur?

- (a) $\{a, d\}$
- (b) $\{a, b, c, d\}$
- (c) $\{b, c\}$
- (d) $\{a, b, c\}$
- (e) $\{b, c, d\}$
- (f) $\{a, c, d\}$
- (g) $\{a\}$
- (h) $\{d\}$
- (i) \emptyset
- (j) None of these