

Let $S = \{a, b, c, d\}$ be a sample space for an experiment. Which of the following two events are disjoint?

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