

- 57.** XYZ Co. has just purchased two new tools with independent future lifetimes. Each tool has its own distinct De Moivre survival pattern. One tool has a 10-year maximum lifetime and the other a 7-year maximum lifetime.

Calculate the expected time until both tools have failed.

- (A) 5.0
- (B) 5.2
- (C) 5.4
- (D) 5.6
- (E) 5.8