

27. A study of automobile accidents produced the following data:

| Model year | Proportion of all vehicles | Probability of involvement in an accident |
|------------|----------------------------|---|
| 1997 | 0.16 | 0.05 |
| 1998 | 0.18 | 0.02 |
| 1999 | 0.20 | 0.03 |
| Other | 0.46 | 0.04 |

An automobile from one of the model years 1997, 1998, and 1999 was involved in an accident.

Determine the probability that the model year of this automobile is 1997 .

- (A) 0.22
- (B) 0.30
- (C) 0.33
- (D) 0.45
- (E) 0.50