

1. For two independent lives now age 30 and 34, you are given:

x	q_x
30	0.1
31	0.2
32	0.3
33	0.4
34	0.5
35	0.6
36	0.7
37	0.8

Calculate the probability that the last death of these two lives will occur during the 3rd year from now (i.e. ${}_2|q_{\overline{30:34}}$).

- (A) 0.01
- (B) 0.03
- (C) 0.14
- (D) 0.18
- (E) 0.24