

104. (x) and (y) are two lives with identical expected mortality.

You are given:

$$P_x = P_y = 0.1$$

$P_{\overline{xy}} = 0.06$, where $P_{\overline{xy}}$ is the annual benefit premium for a fully discrete whole life insurance of 1 on (\overline{xy}) .

$$d = 0.06$$

Calculate the premium P_{xy} , the annual benefit premium for a fully discrete whole life insurance of 1 on (xy) .

- (A) 0.14
- (B) 0.16
- (C) 0.18
- (D) 0.20
- (E) 0.22