

### Question #104

Answer: C

$P_s = \frac{1}{\ddot{a}_s} - d$ , where s can stand for any of the statuses under consideration.

$$\ddot{a}_s = \frac{1}{P_s + d}$$

$$\ddot{a}_x = \ddot{a}_y = \frac{1}{0.1 + 0.06} = 6.25$$

$$\ddot{a}_{xy} = \frac{1}{0.06 + 0.06} = 8.333$$

$$\ddot{a}_{xy} + \ddot{a}_{xy} = \ddot{a}_x + \ddot{a}_y$$

$$\ddot{a}_{xy} = 6.25 + 6.25 - 8.333 = 4.167$$

$$P_{xy} = \frac{1}{4.167} - 0.06 = 0.18$$