

# 技術系専門試験問題演習講座 一般職 電気

2019年 国家一般職 電気電子情報職 No.36  
(確率)

# 状態遷移図

$$[y \text{ 状態}] \Rightarrow (x, y \text{ 分}) = [z \text{ 分}]$$

7-1=717.

$$\frac{y}{4} + \frac{1}{4}(1-x-y) = \frac{1}{2}x + \frac{1}{2}x$$

$$\frac{1}{4} - \frac{x}{4} = x \quad \therefore x = \frac{1}{5} \Rightarrow \text{枝2}$$

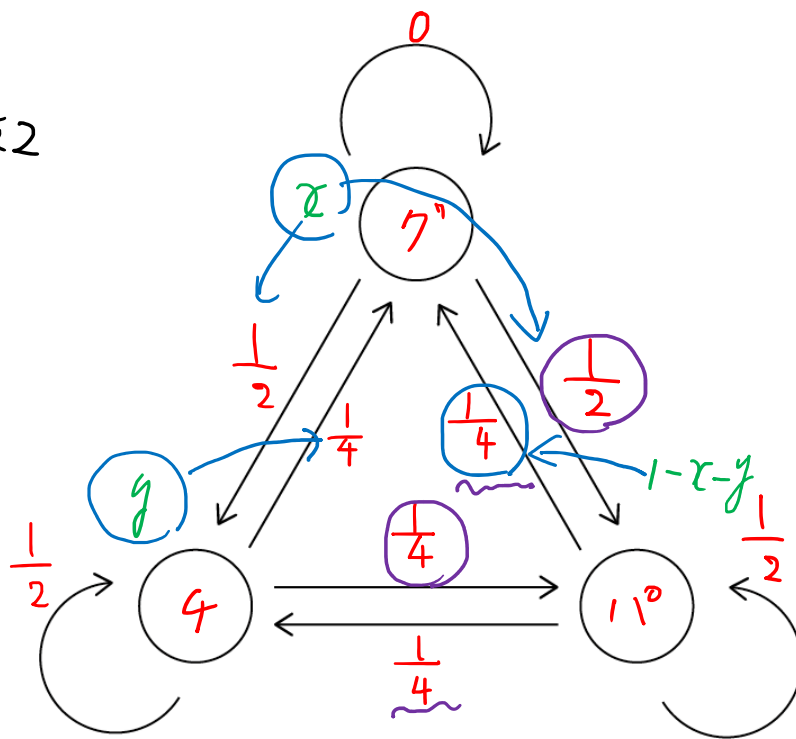
11°-1=717.

$$\frac{1}{2}x + \frac{y}{4} = \frac{1}{4}(1-x-y) + \frac{1}{4}(1-x-y)$$

$$= \frac{1}{2} - \frac{x}{2} - \frac{y}{2}$$

$$\frac{3}{4}y = \frac{1}{2} - x = \frac{3}{10} \quad \therefore y = \frac{2}{5}$$

$$1-x-y = \frac{2}{5}$$



全確率

$$a_n + b_n + c_n = 1$$

1-

$$a_{n+1} = \frac{1}{4}b_n + \frac{1}{4}c_n$$

4-3

$$b_{n+1} = \frac{1}{2}a_n + \frac{1}{2}b_n + \frac{1}{4}c_n$$

$$a_{n+1} = a_n = a$$

$$b_{n+1} = b_n = b$$

$$c_{n+1} = c_n = c$$

