

## quiz 5

$$\alpha_2(1) = (0.32 \times 0.4 + 0.02 \times 0.5) \times 0.5 = 0.069$$

$$\alpha_2(2) = (0.32 \times 0.6 + 0.02 \times 0.5) \times 0.2 = 0.0404$$

$$\alpha_3(1) = (0.0404 \times 0.4 + 0.069 \times 0.5) \times 0.1 = 0.005066$$

$$\alpha_2(2) = (0.0404 \times 0.6 + 0.069 \times 0.5) \times 0.4 = 0.023496$$