$$P(A) = P(A|u_1) P(u_1) + P(A|u_2) P(u_2) + P(A|u_3) P(u_3)$$

$$P(A/u_1) = \frac{2}{5} \frac{A}{1} \frac{u}{6} \left(\frac{3}{2}\right) = \frac{1}{15} \frac{3!}{2!} \cdot \frac{\pi}{4!} \frac{\pi}{2!} \cdot \frac{\pi}{4!} \frac{\pi}{2!} \frac{\pi}{4!}$$

$$P(A/u_1) = \frac{3}{5} \frac{2}{7} \frac{u}{6} \left(\frac{3}{2}\right) = \frac{1}{45} \frac{3!}{2!} \cdot \frac{\pi}{4!} \frac{\pi}{2!} \cdot \frac{\pi}{4!} \frac{\pi}{4!}$$

$$P(A/u_3) = \frac{3}{5} \frac{2}{7} \frac{u}{6} \left(\frac{3}{2}\right) = \frac{1}{45} \frac{3!}{2!} = \frac{\pi}{46}$$

$$P(u_1) = \frac{2}{3!} \frac{1}{5!} \frac{\pi}{4!} \frac{\pi}{4!}$$

P(U2/B) = P(B/U2) P(U2) = P(U4/B) = P(B/U4) P(U4)
P(B)

P(U,) = 3

 $P(u_i) = \frac{2}{9}$

 $P(u_3) = \frac{4}{9}$

3 R | 20 4V | U, | 3 R | 40 4V | U, | 3 R | 20 3V | U3

ř