$$P(Action) = \frac{4}{5} = \frac{1}{2} \qquad |V| = 12$$

Conditional P:

D1: Pinurder | Action) =
$$\frac{1+0.2}{16+12\cdot0.2} = \frac{3}{46} P \left(\text{Mulder | Drama} \right) = \frac{2+0.2}{16+12\cdot0.2} = \frac{11}{92}$$

Plenemy | Action) =
$$\frac{1+0.2}{16+12.0.2} = \frac{3}{46}$$
 Plenemy | Drama) = $\frac{2+0.2}{16+12.0.2} = \frac{11}{92}$

PCConspiracy | Action) =
$$\frac{16 \cdot 12 \cdot 0.2}{16 + 12 \cdot 0.2} = \frac{3}{46}$$
 P(conspiracy | Drama) = $\frac{3 + 0.2}{16 + 12 \cdot 0.2} = \frac{4}{23}$

$$P(Action | D_1) = \frac{1}{2} \cdot (\frac{3}{46})^4 = 0.000009$$

$$P(D(anal D_1) = \frac{1}{2} \cdot (\frac{11}{92})^2 \cdot \frac{4}{23} = 0.000149$$

$$O_2$$
 P (cars | Action) = $\frac{3+0.2}{16+12\cdot0.2} = \frac{4}{23}$ P (cars | Proma) = $\frac{1+0.2}{16+12\cdot0.1} = \frac{3}{46}$

$$P(treasure | Action) = \frac{3+0.2}{16+12\cdot0.2} = \frac{4}{23}$$
 $P(treasure | Drama) = \frac{1+0.2}{16+12\cdot0.2} = \frac{3}{46}$

$$P(robbery | Action) = \frac{2+0.2}{16+12\cdot0.2} = \frac{11}{92} P(robbery | Drama) = \frac{1+0.2}{16+12\cdot0.2} = \frac{3}{46}$$

P(crash | Action) =
$$\frac{2+0.2}{(6+12.0.2)} = \frac{11}{0.2}$$

Petreasure | Drama) =
$$\frac{(+0.1)}{(6+12.0.2)}$$
 =

$$P(\text{robbery} | Action}) = \frac{16+12\cdot0.2}{16+12\cdot0.2} = \frac{92}{92} P(\text{robbery} | \text{Drama}) = \frac{16+12\cdot0.2}{16+12\cdot0.2} = \frac{3}{46}$$

$$P(\text{crash} | \text{Action}) = \frac{2+0\cdot2}{16+12\cdot0.2} = \frac{11}{92} P(\text{crash} | \text{Drama}) = \frac{0+0\cdot2}{(6+12\cdot0.2)} = \frac{1}{92}$$

$$P(Action | D_2) = \frac{1}{2} \cdot (\frac{4}{23})^2 \cdot (\frac{11}{92})^2 = 0.000216$$