

Act	Prc	Model A
Y	0.7 N	$\geq 50 \rightarrow P$
Y	0.9 Y	$R = \frac{2}{3}$
N	0.2 N	
N	0.6 Y	$P = \frac{2}{3}$
Y	0.8 Y	
N	0.1 N	

$\geq 50 \rightarrow P$

$$R = \frac{2}{3}$$

$$P = \frac{2}{3}$$

$$2 \times \frac{2/3 \times 2/3}{2/3 + 2/3}$$

$$= 2 \times 2$$

$$= 0.667$$

Model 2

$$2 \times \frac{1 \times \frac{2}{3}}{1 + \frac{2}{3}}$$

$$0.75$$

M3

$$2 \times \frac{\frac{2}{3} \times 1}{\frac{2}{3} + 1}$$

$$= 0.8$$

Model M3 0.8