

Spirer betray 0.8

$P(a \text{ is spy})$

5 agents were

$$P(w|a) = \frac{P(w) \cdot P(a|w)}{P(a)}$$

Action is 3,4 betray.

$\rightarrow 2 \ 3$	0.2	.2 .8	$\sum_{w=2,8} P(a w) \cdot P(w)$
$\rightarrow 2 \ 4$	0.2	.2 .8	.28
$\rightarrow 2 \ 5$	0.2	.2 .0	0
$\rightarrow 3 \ 4$	0.2	.2 .32	0.16
$\rightarrow 4 \ 5$	0.2	.2 .8	0.28

$\rightarrow \textcircled{2 \ 3}$	3	4	1	0	0	1	0	0	1	1
$\rightarrow 2 \ 4$.8	0	.8	0.2	1	<u>0.8</u>	1	0.2	0.8	0
$\rightarrow 2 \ 5$	0	0	0							
3 4	.8	.8	.32	0.2	0.2	0.8	0.2	0.2	0.8	0.8
4 5	.8	.8	.8							

(3,4 went on mission)
1 betrayed.

	1	2	3	4	3	4
2 3	0	.8	.8	0	.8	
2 4	0	.8	0	.8		
2						