|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| P1: | Strategy | | Beliefs | | Utilities | | SxU |
|  | Bet/call | Pass/fold | H | L | Bet/call | Pass/fold |  |
| K | 2/3 | 1/3 | 1/2 | 1/2 | 5/4 | 3/2 | 4/3 |
| Q | 1/2 | 1/2 | 1/2 | 1/2 | -1/2 | -1/3 | -5/12 |
| J | 1/3 | 2/3 | 1/2 | 1/2 | -5/4 | -1 | -13/12 |
| Kpb | 1 | 0 | 2/3 | 1/3 | 2 | -1 | 2 |
| Qpb | 1/2 | 1/2 | 3/4 | 1/4 | -1 | -1 | -1 |
| Jpb | 0 | 1 | 3/5 | 2/5 | -2 | -1 | -1 |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| P2: | Strategy | | Beliefs | | Utilities | | SxU |
|  | Bet/call | Pass/fold | H | L | Bet/call | Pass/fold |  |
| Kb | 1 | 0 | 3/5 | 2/5 | 2 | -1 | 2 |
| Kp | 1 | 0 | 3/7 | 4/7 | 17/14 | 1 | 17/14 |
| Qb | 1/2 | 1/2 | 2/3 | 1/3 | -2/3 | -1 | -5/6 |
| Qp | 2/3 | 1/3 | 1/3 | 2/3 | 0 | 1/3 | 1/9 |
| Jb | 0 | 1 | 4/7 | 3/7 | -2 | -1 | -1 |
| Jp | 1/3 | 2/3 | 2/5 | 3/5 | -11/10 | -1 | -31/30 |

Step1.Top to Bottom: Compute beliefs

Step2.Bottom to Top: Compute Utilities

Computation example:

$Pr(K/Qb)=\frac{\frac{1}{3}\frac{2}{3}}{\frac{1}{3}\frac{2}{3}+\frac{1}{3}\frac{1}{3}}=\frac{2}{3}$

$P\_{r}(Q|K\_{P}b)=\frac{\frac{1}{2}\frac{1}{3}\frac{2}{3}}{\frac{1}{2}\frac{1}{3}\frac{2}{3}+\frac{1}{2}\frac{1}{3}\frac{1}{3}}=\frac{2}{3}$