1 Logarithmic scoring rules for Canteen Dilemma

1.1 Payoff for both going to the office:

Calculated by $\ln(playerCertainty) \cdot 2$

- Very uncertain (50%) = - $1.39
- Slightly uncertain (62.5%) = -$0.94
- Somewhat certain (75%) = -$0.57
- Quite certain (87.5%) = -$0.27
- Very certain (99%) = -$0.02

1.2 Payoff for both going to the canteen

Calculated by $\ln(playerCertainty)$

- Very uncertain (50%) = - $0.69
- Slightly uncertain (62.5%) = -$0.47
- Somewhat certain (75%) = -$0.29
- Quite certain (87.5%) = -$0.13
- Very certain (99%) = -$0.01

1.3 Payoff for both going to the canteen

Calculated by $\ln(1 - playerCertainty) \cdot 2$

- Very uncertain (50%) = - $1.39
- Slightly uncertain (62.5%) = -$1.96
- Somewhat certain (75%) = -$2.77
- Quite certain (87.5%) = -$4.16
- Very certain (99%) = -$9.21