Decision problem and definitions	General expression for Δ $\langle p \rangle = \frac{1}{N}\sum_{i=0}^{N-1} p_i$ $\langle p^2 \rangle = \frac{1}{N}\sum_{i=0}^{N-1} p_i^2$	$p_i = p$ (constant) $\implies \langle p \rangle = p$ $\implies \langle p^2 \rangle = p^2$	$p_i \in \{0,1\}$ $\implies \langle p^2 \rangle = \langle p \rangle$	$p_i \in \{\epsilon, 1-\epsilon\}$ $\implies \epsilon \leq \langle p \rangle \leq 1-\epsilon$ $\implies \langle p^2 \rangle = \langle p \rangle - \epsilon(1-\epsilon)$
Prisoners dilemma against copy $\Delta := Q(\text{Cooperate}) - Q(\text{Defect})$ $p_i := P(\text{Cooperate}\|h_{>i})$	$\Delta = M\dfrac{\langle p^2 \rangle - \langle p \rangle^2}{\langle p \rangle(1-\langle p \rangle)} - m$	$\Delta = -m$	$\Delta = M - m$	$\Delta = M\left(1 - \dfrac{\epsilon(1-\epsilon)}{\langle p \rangle(1-\langle p \rangle)}\right) - m$
Evidential blackmail $\Delta := Q(\text{Pay}\|\text{Blackmail})$ $\qquad\quad -Q(\text{Dont}\|\text{Blackmail})$ $q := P(\text{Market crach})$ $p_i := P(\text{Pay}\|\text{Blackmail}, h_{>i})$	$\Delta =$	$\Delta =$	$\Delta =$	$\Delta =$
Absent minded driver $\Delta := Q(\text{Continue}) - Q(\text{Exit})$ $p_i := P(\text{Continue}\|h_{>i})$	$\Delta = \dfrac{4\langle p \rangle - 4\langle p \rangle^2 - 2\langle p^2 \rangle - 4\langle p \rangle\langle p^2 \rangle + 6\langle p^2 \rangle^2}{(1-\langle p^2 \rangle)(\langle p \rangle + \langle p^2 \rangle)}$	$\Delta = \dfrac{4-6p}{1+p}$	$\Delta = 1$	$\Delta = \dfrac{2\langle p \rangle(1-\langle p \rangle) + [2-8\langle p \rangle + 6\epsilon(1-\epsilon)]\epsilon(1-\epsilon)}{2\langle p \rangle(1-\langle p \rangle) + [3\langle p \rangle - 1 - \epsilon(1-\epsilon)]\epsilon(1-\epsilon)}$