We write $u(s_i, s_j)$ for the payoff of strategy s_i against s_j.

Strategy s_i is an *evolutionarily stable strategy (ESS)* if:

(i) $u(s_i, s_i) > u(s_j, s_i)$, for all strategies $s_j \neq s_i$, or

(ii) $u(s_i, s_i) = u(s_j, s_i)$ and $u(s_i, s_j) > u(s_j, s_j)$, for all strategies $s_j \neq s_i$.