

DEFINITION 2.1.2. *An barbed bisimulation, is a symmetric binary relation \mathcal{S} between agents such that $P \mathcal{S} Q$ implies:*

1. *If $P \rightarrow P'$ then $Q \rightarrow Q'$ and $P' \mathcal{S} Q'$.*
2. *If $P \downarrow x$, then $Q \downarrow x$.*