

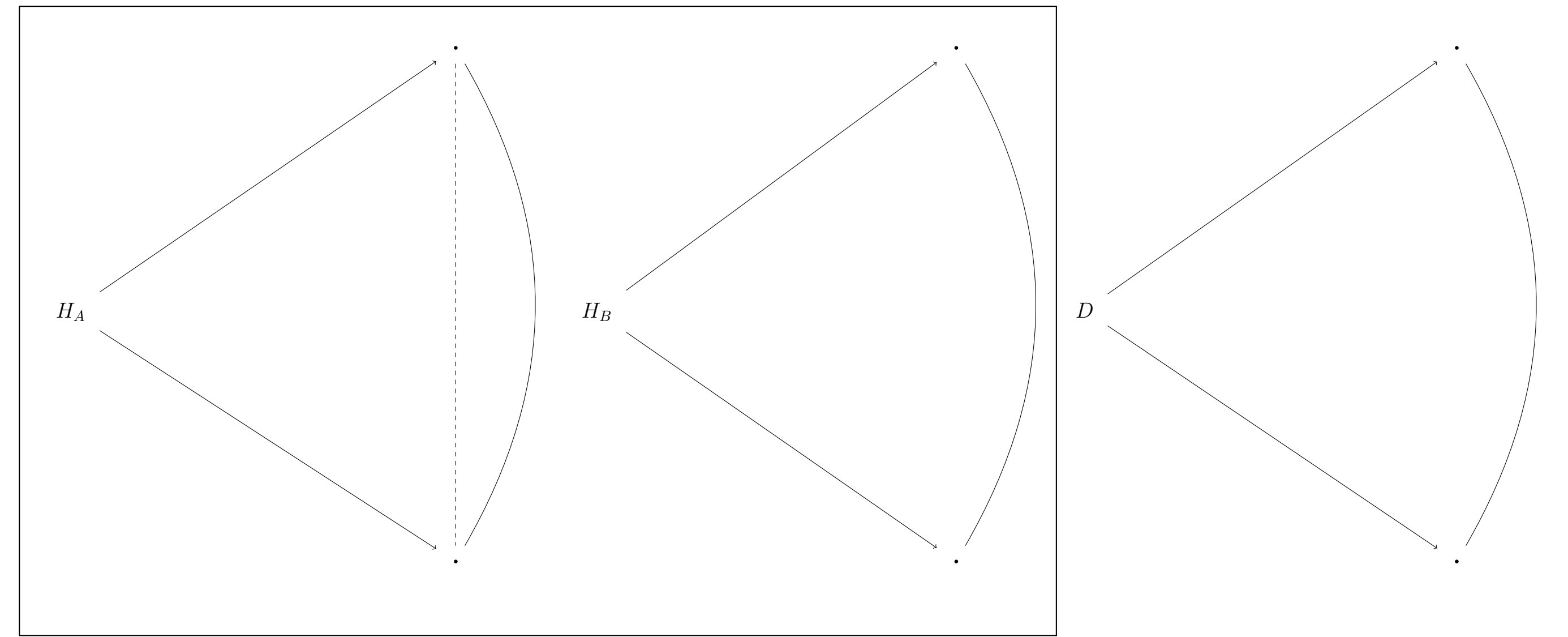
THE AMBULANCE DECISION GAME

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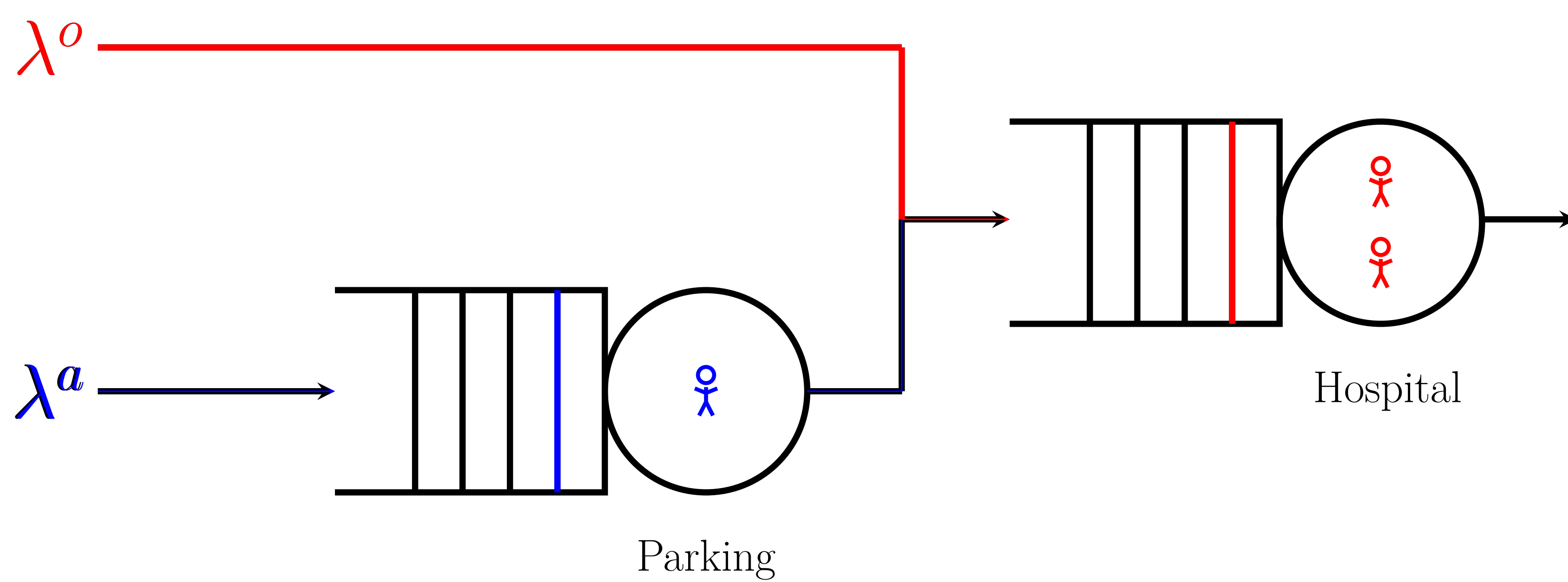
Ambulance Blockage



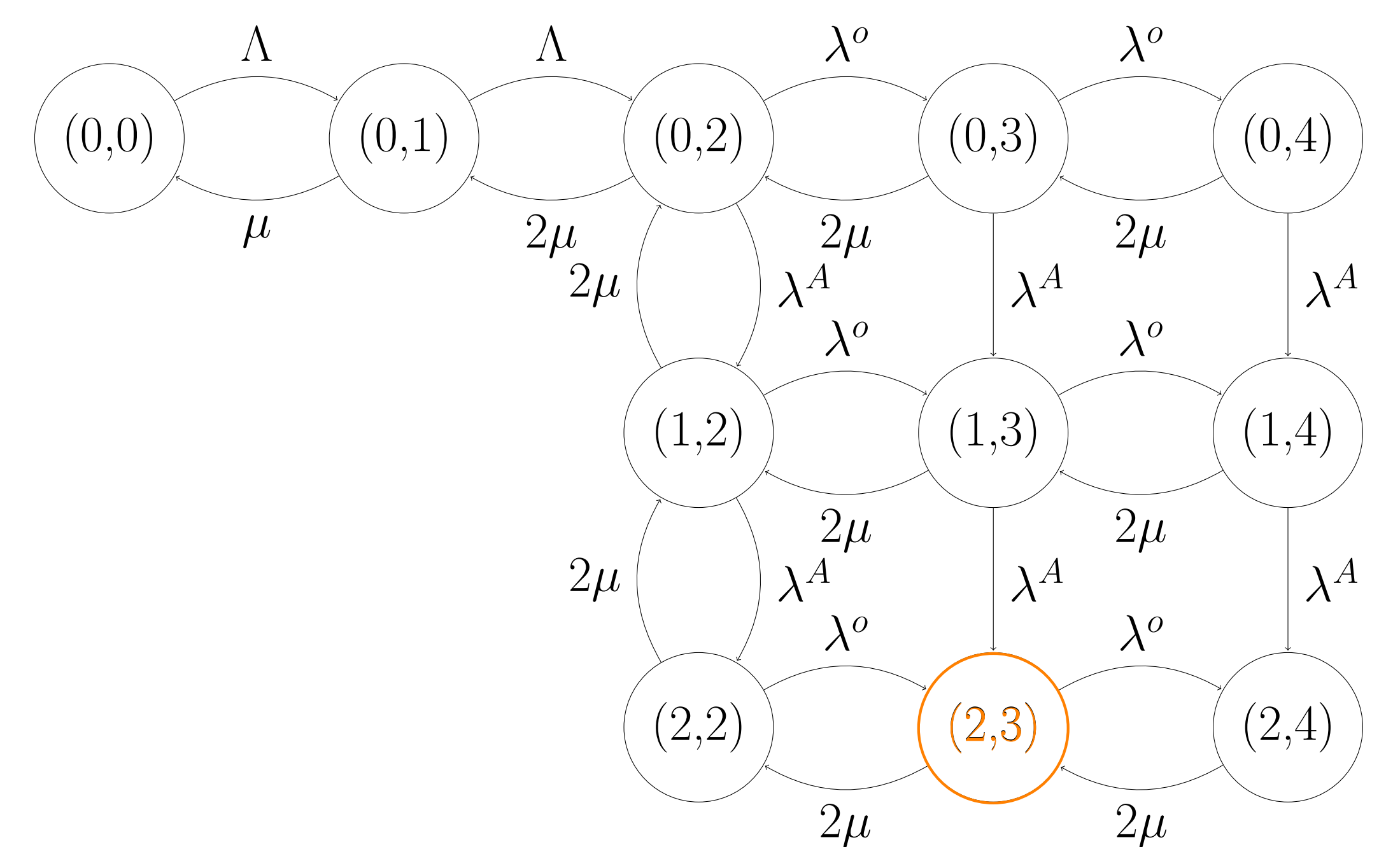
Imperfect information game



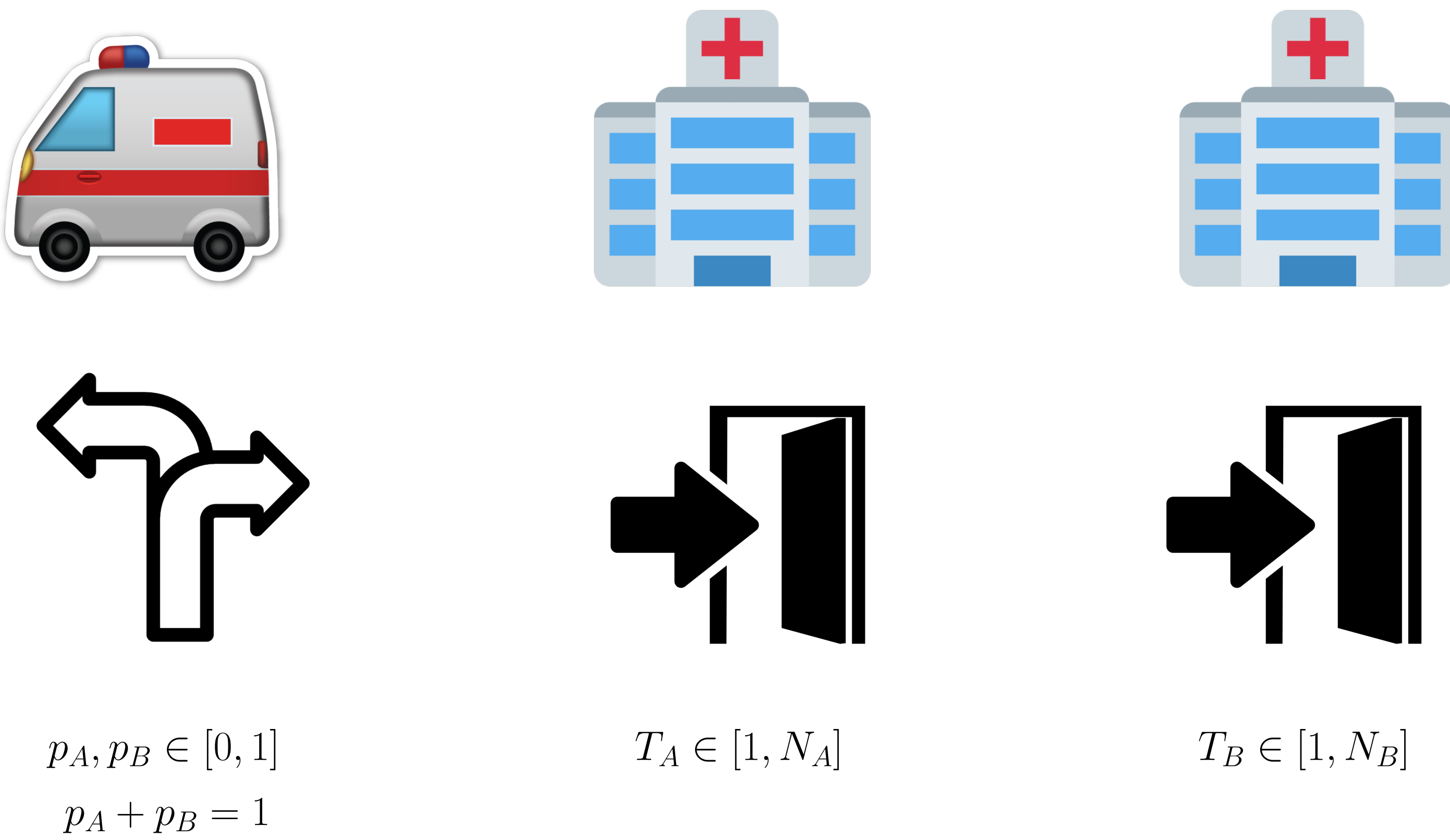
Diagrammatic representation of a queue



Markov Chain model

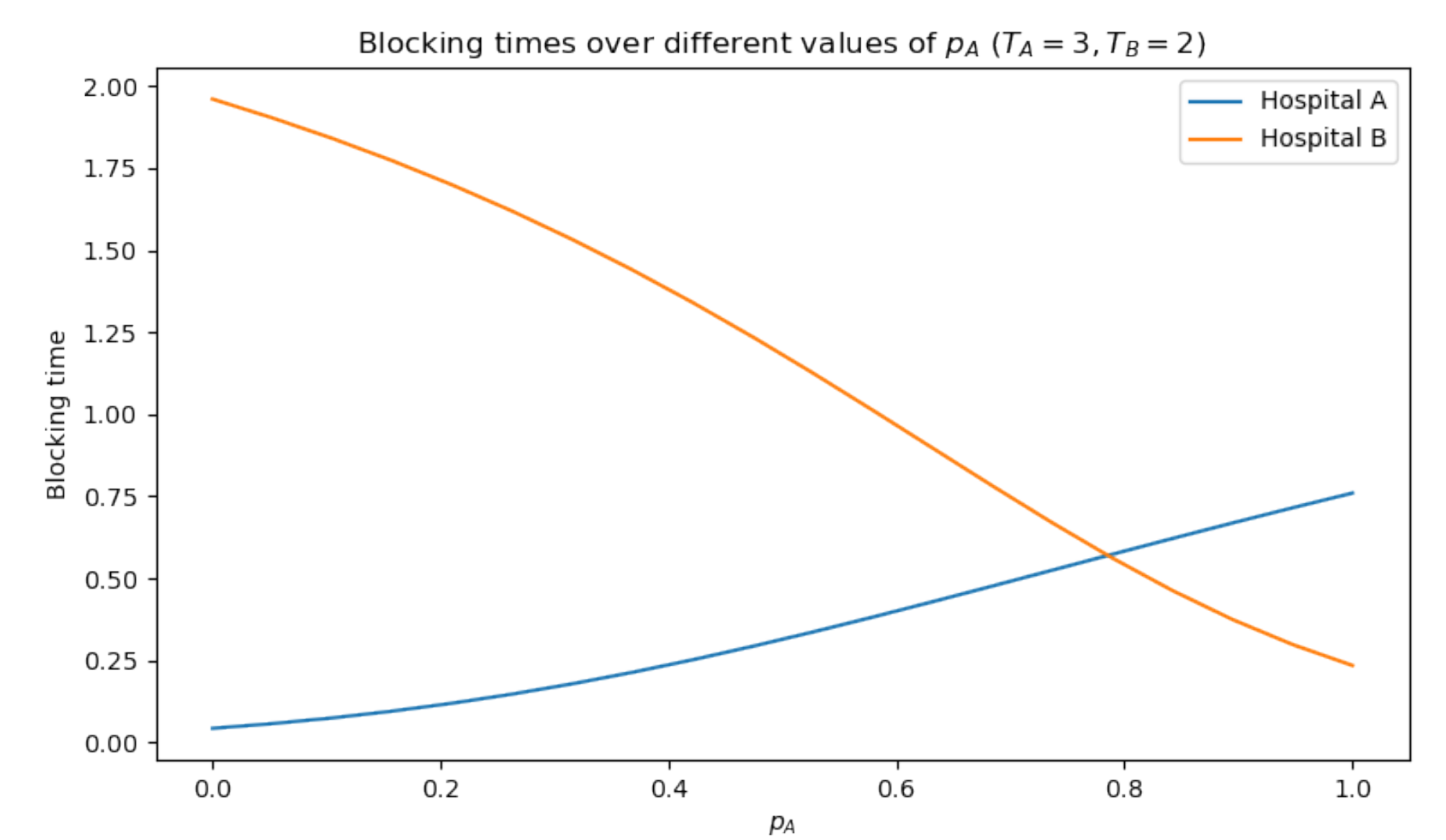


Players and strategies

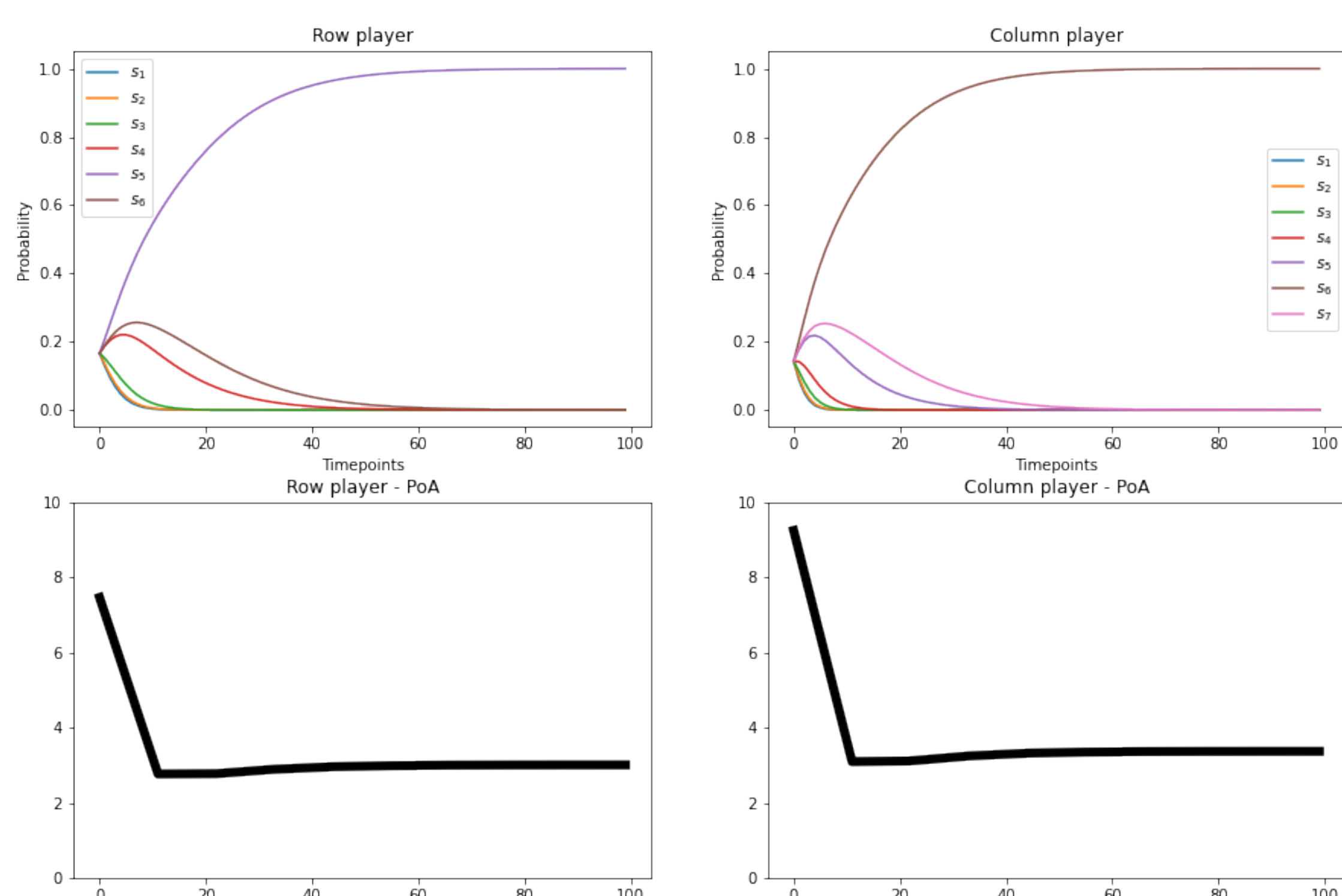


Ambulance's decision

$$\begin{matrix} T_A = 3 \\ T_B = 2 \end{matrix} \rightarrow \begin{pmatrix} - & - & - \\ - & - & - \\ - & x & - \\ - & - & - \end{pmatrix} \rightarrow B_A(p_A) = B_B(1 - p_A)$$



Learning algorithm



Learning algorithm with incentives

