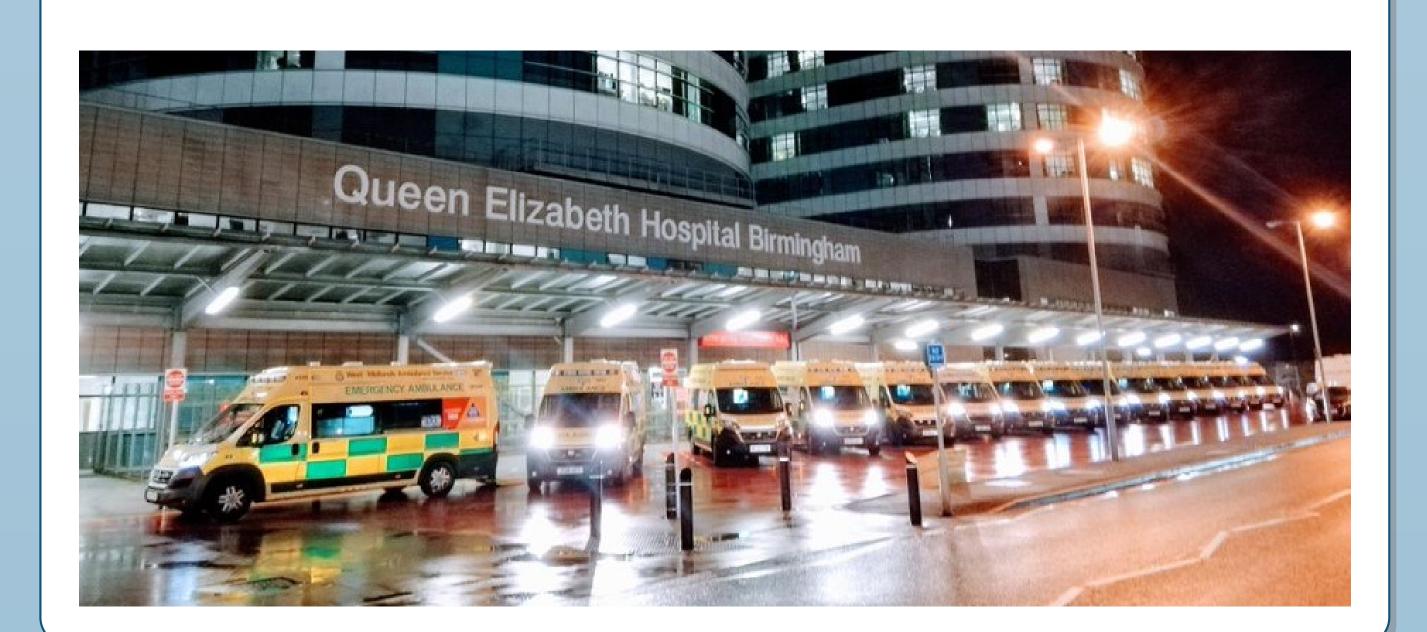
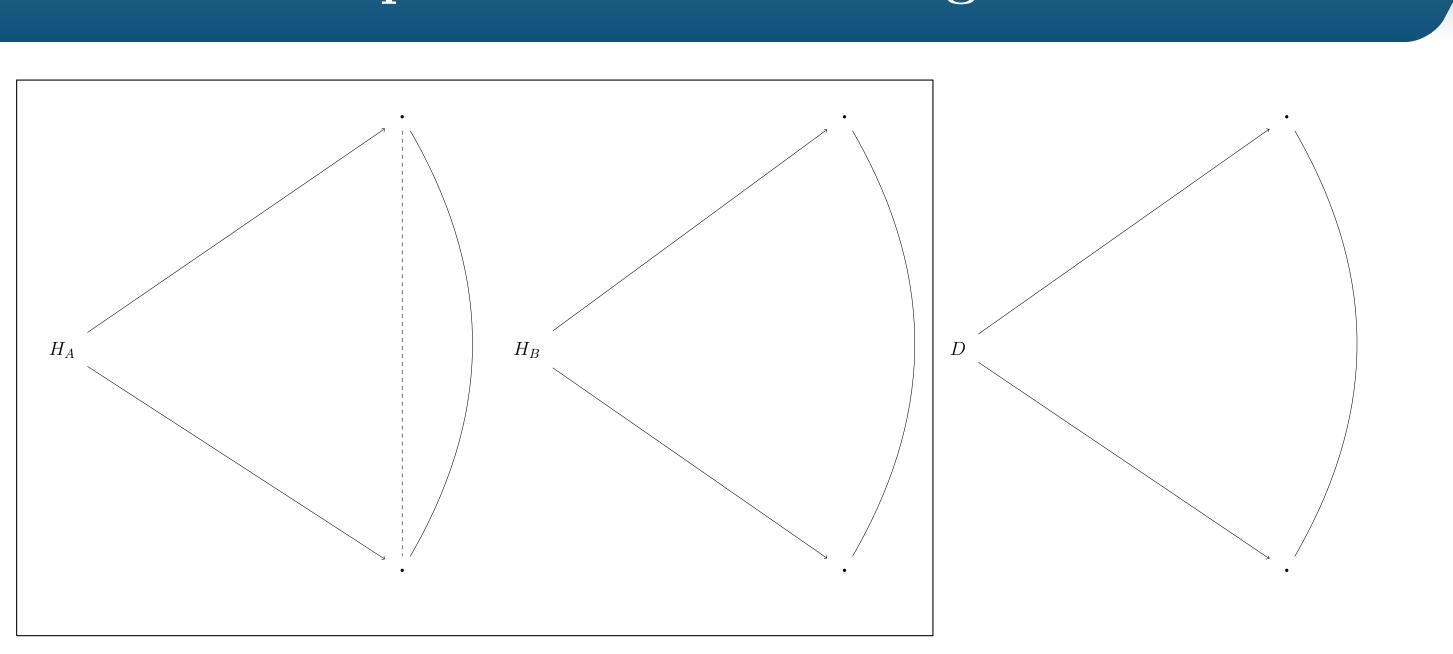
THE AMBULANCE DECISION GAME

Michalis Panayides
Cardiff University

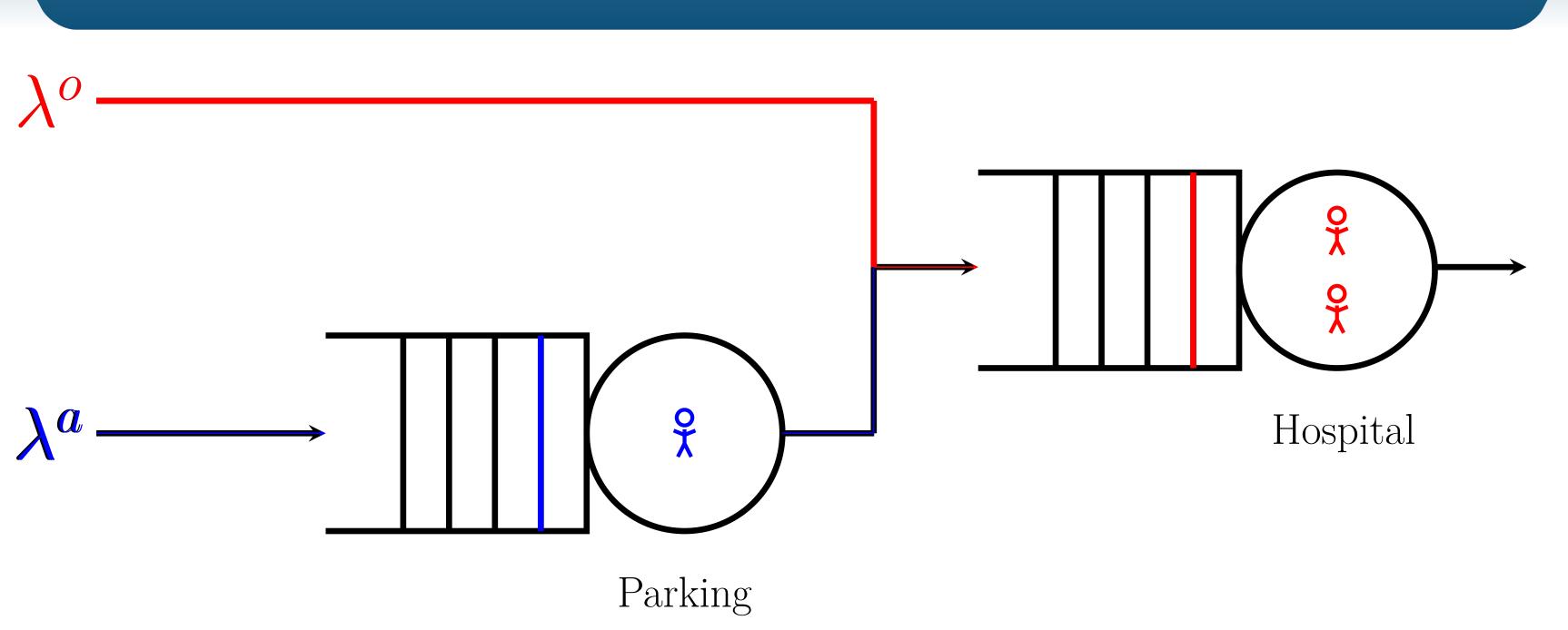
Ambulance Blockage



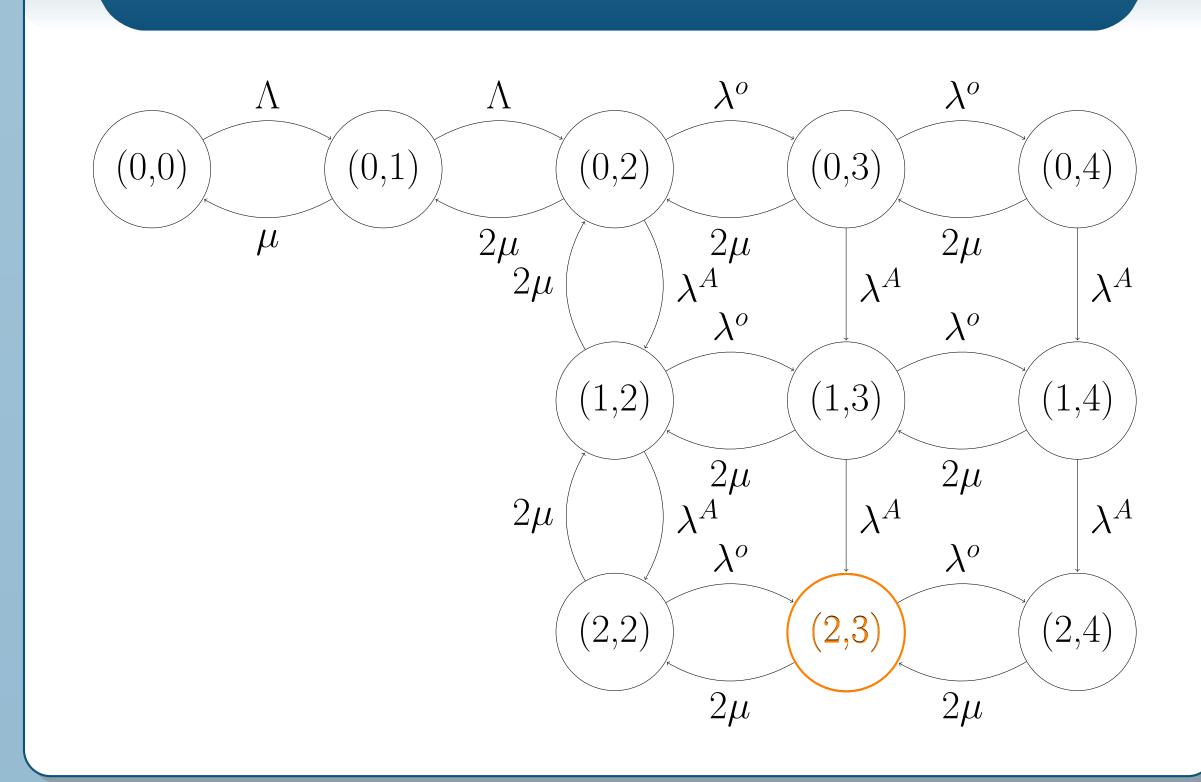
Imperfect information game







Markov Chain model

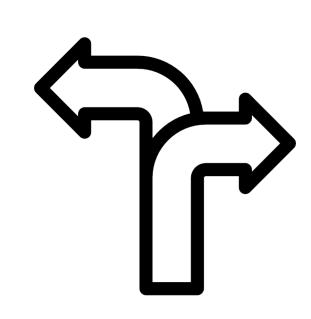


Players and strategies



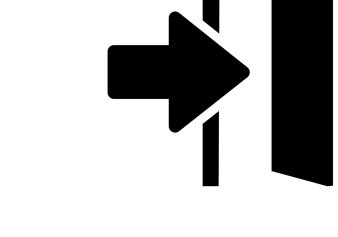




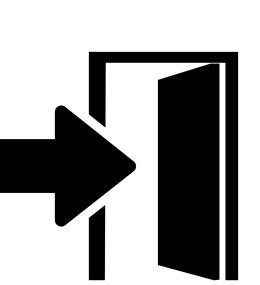


 $p_A, p_B \in [0, 1]$

 $p_A + p_B = 1$

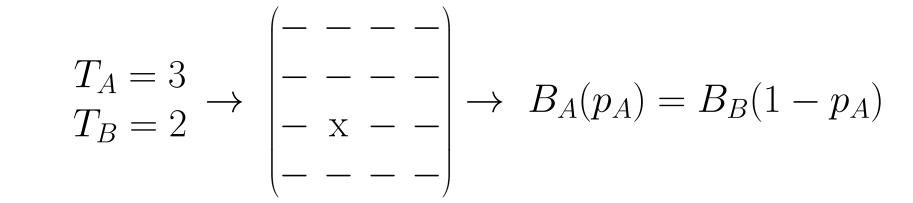


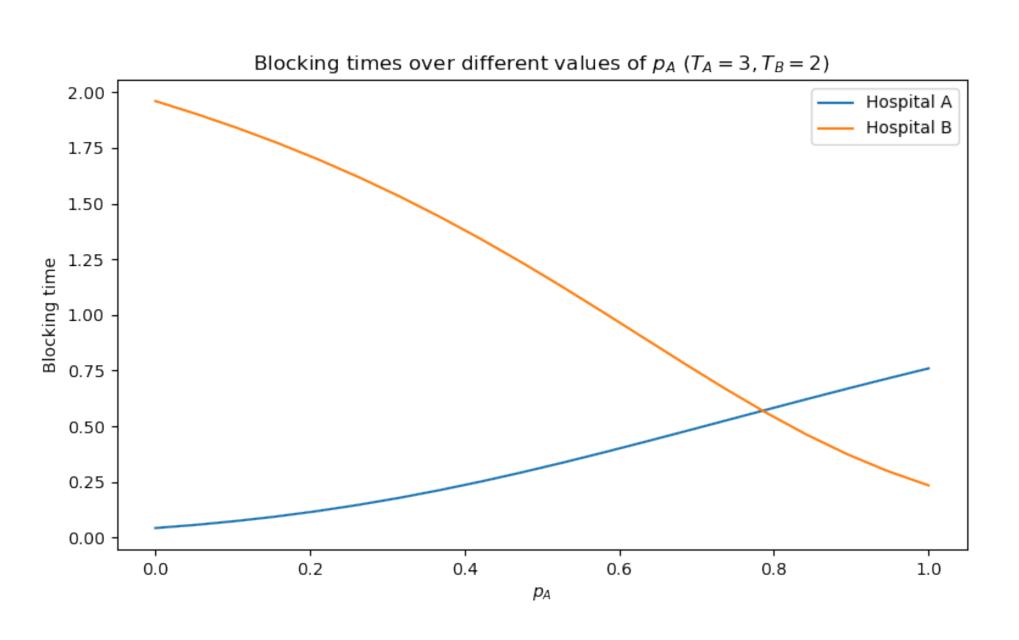
 $T_A \in [1, N_A]$



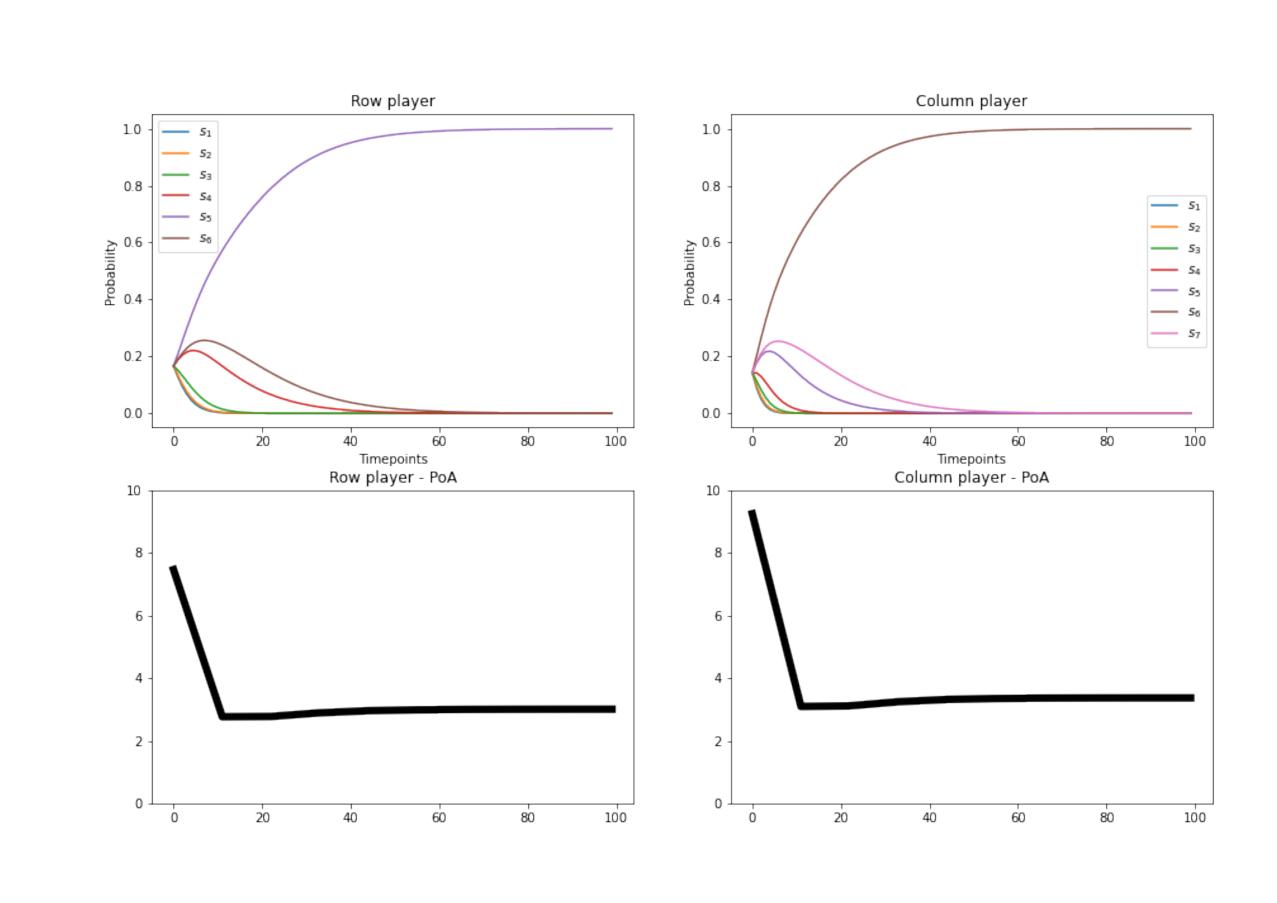
 $T_B \in [1, N_B]$

Ambulance's decision





Learning algorithm



Learning algorithm with incentives

