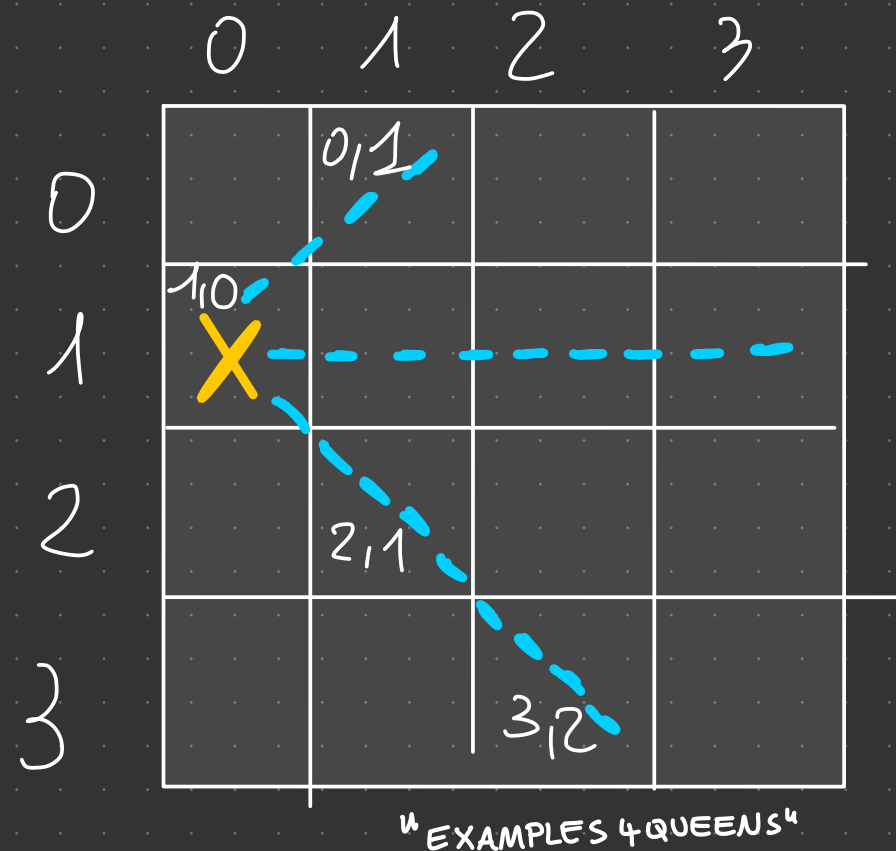


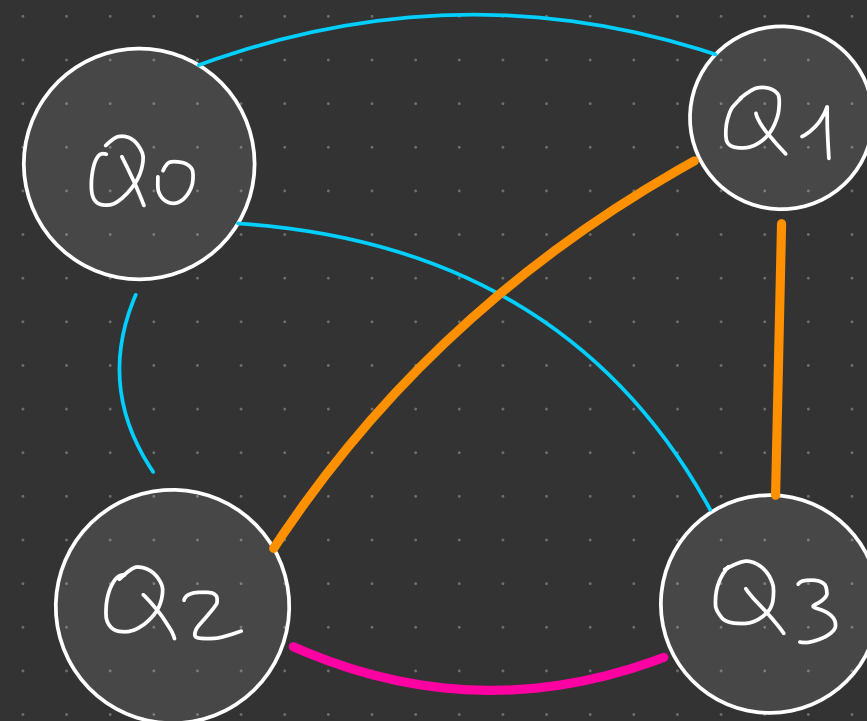
NQueensProblem CSP



Variables = $[^uQ_0^u, ^uQ_1^u, ^uQ_2^u, ^uQ_3^u]$

domains = $[\text{for var in variables}]$
 $[0, 1, 2, 3]$

constraints = $[$ QueensConstr(Q_0, Q_1)
 \cup (Q_0, Q_2)
 \cup (Q_0, Q_3)
 \cup (Q_1, Q_2)
 \cup (Q_1, Q_3)
 \cup (Q_2, Q_3)
 $]$



QueensConstraint (variable_1, variable_2):
 $state[variable_1] \neq state[variable_2]$
 end

$\text{abs}(\text{row_variable}1 - \text{column_variable}1)$
 $\neq \text{abs}(\text{row_variable}2 - \text{column_variable}2)$