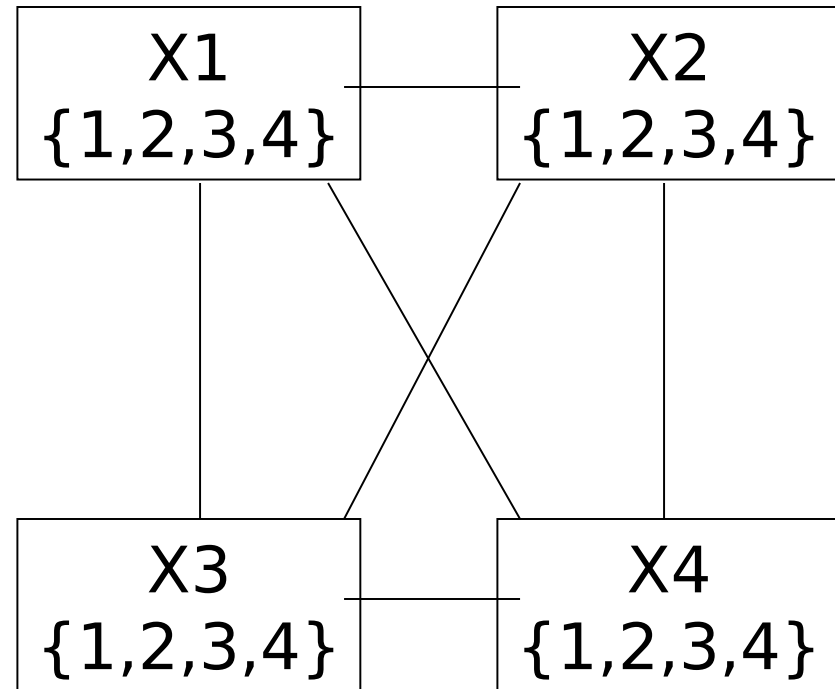


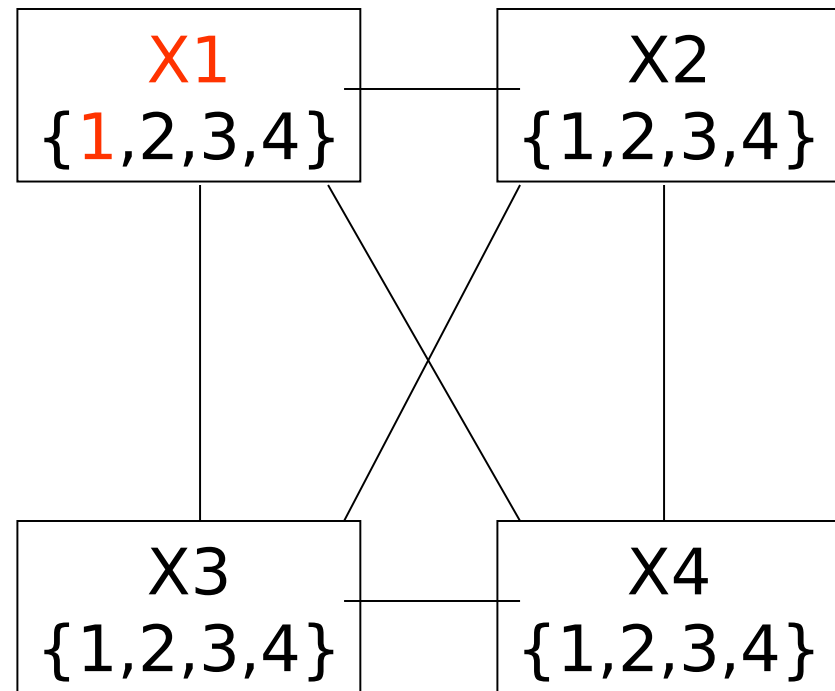
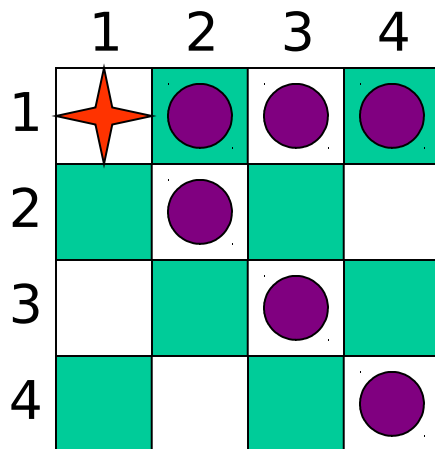
Example: 4-Queens Problem

	X1	X2	X3	X4
1				
2				
3				
4				



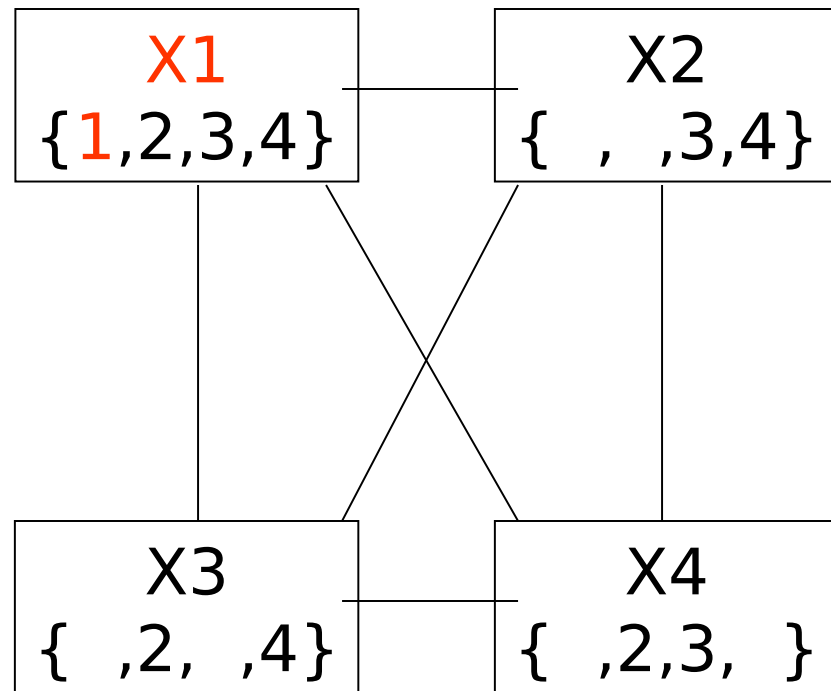
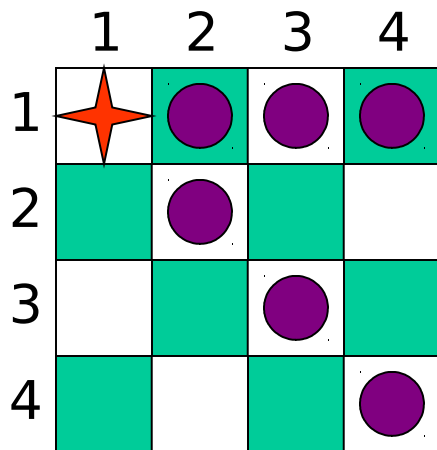
(From Bonnie Dorr, U of Md, CMSC 421)

Example: 4-Queens Problem



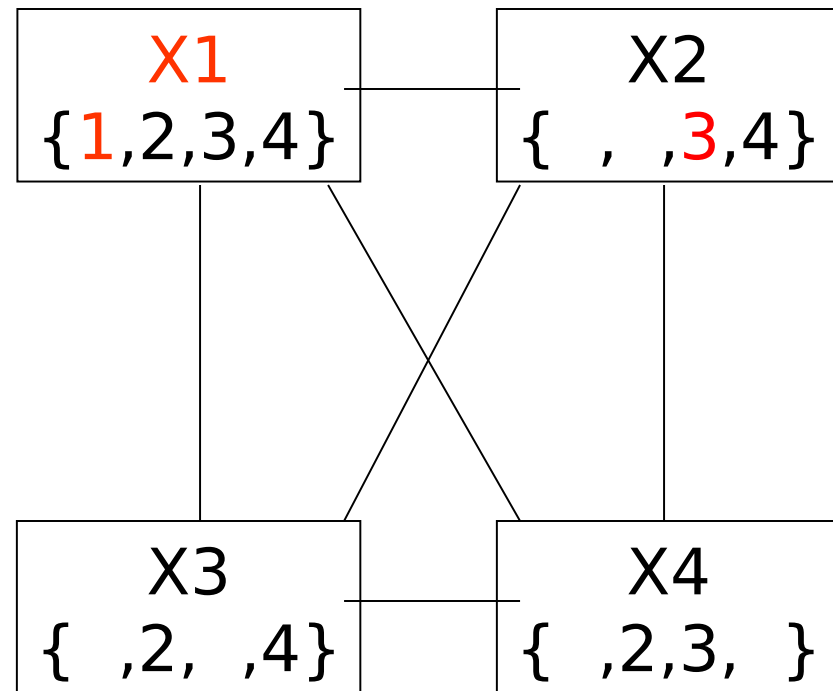
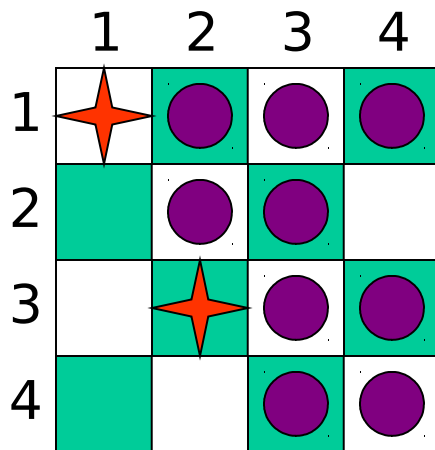
Assign value to
unassigned variable

Example: 4-Queens Problem



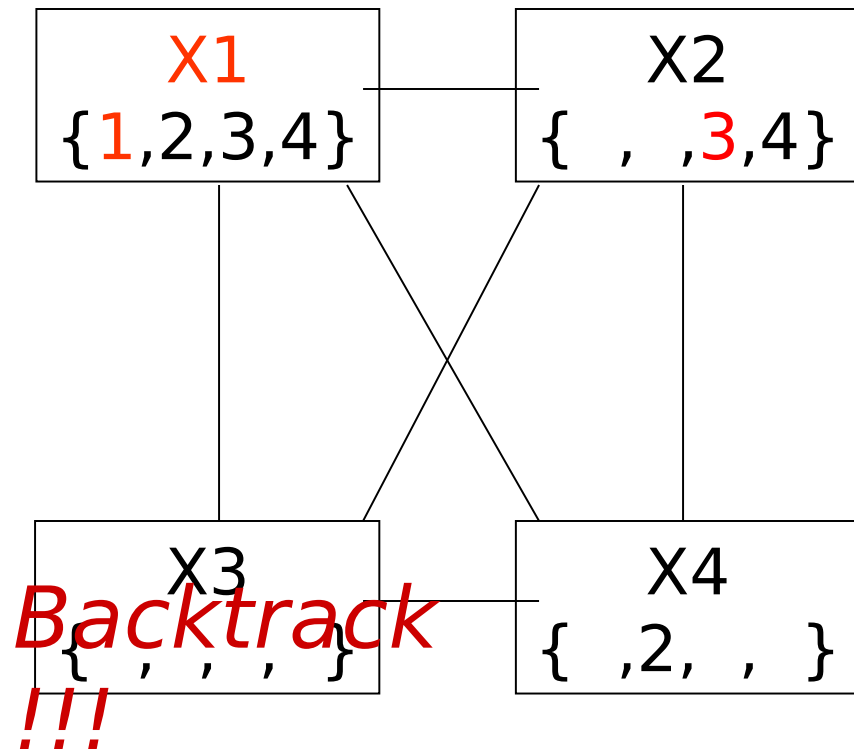
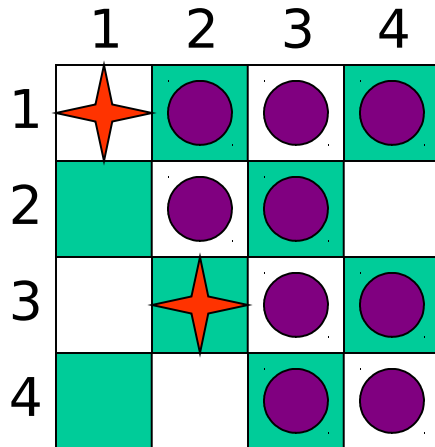
Forward check!

Example: 4-Queens Problem



Assign value to
unassigned variable

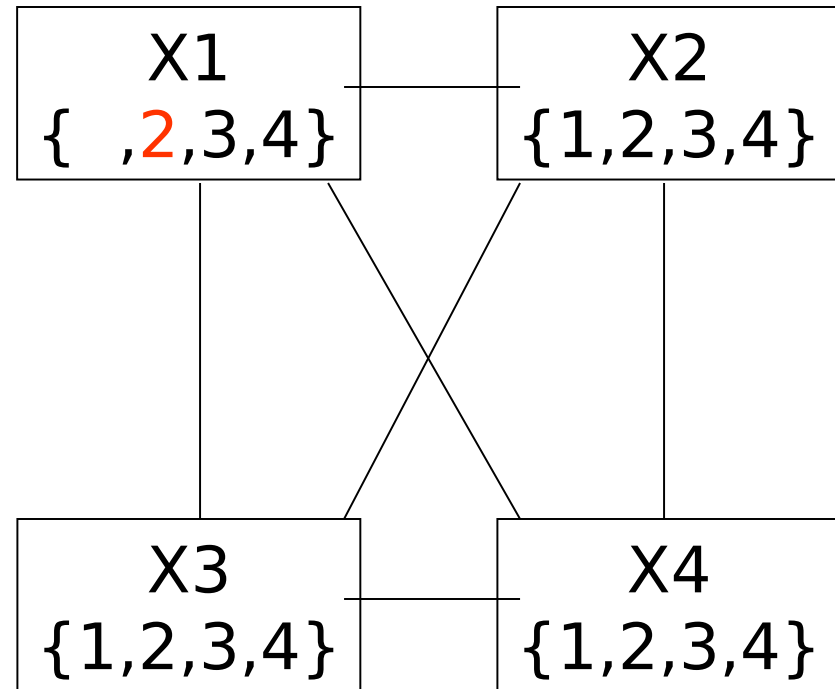
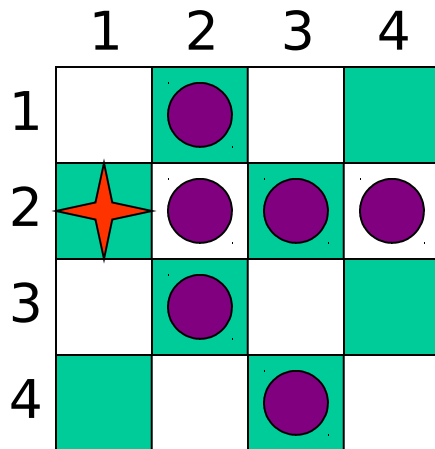
Example: 4-Queens Problem



Forward check and
then BACKTRACK!

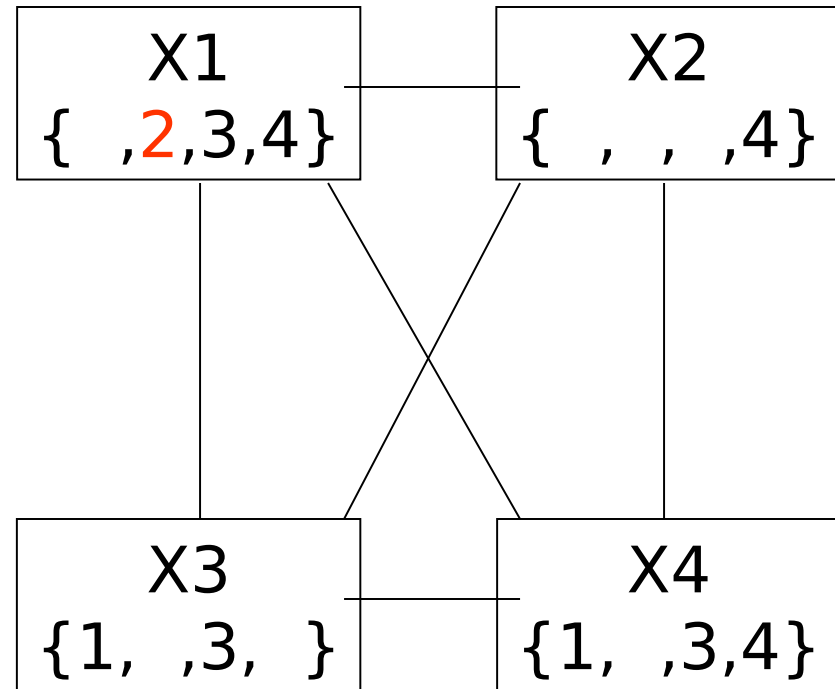
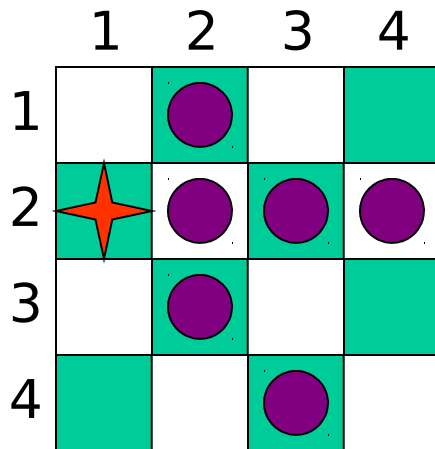
Example: 4-Queens Problem

Picking up a little later after two steps of backtracking....



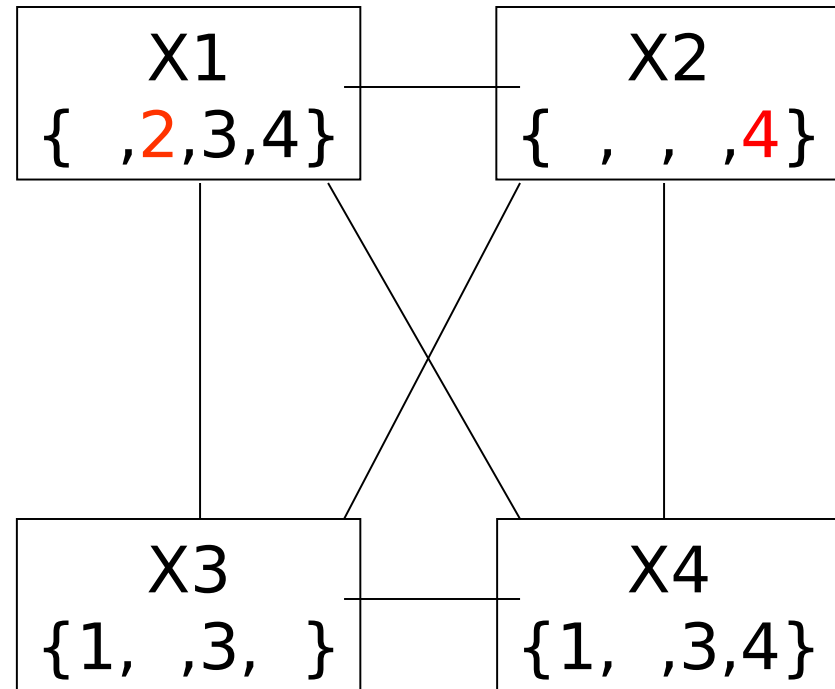
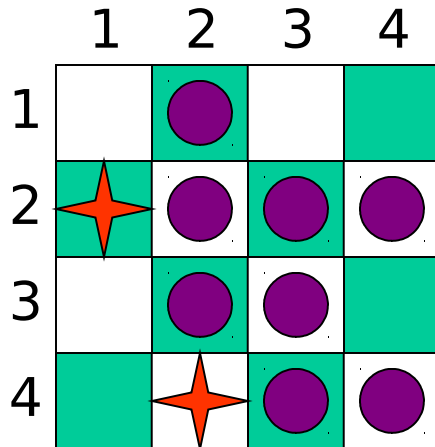
Assign value to
unassigned variable

Example: 4-Queens Problem



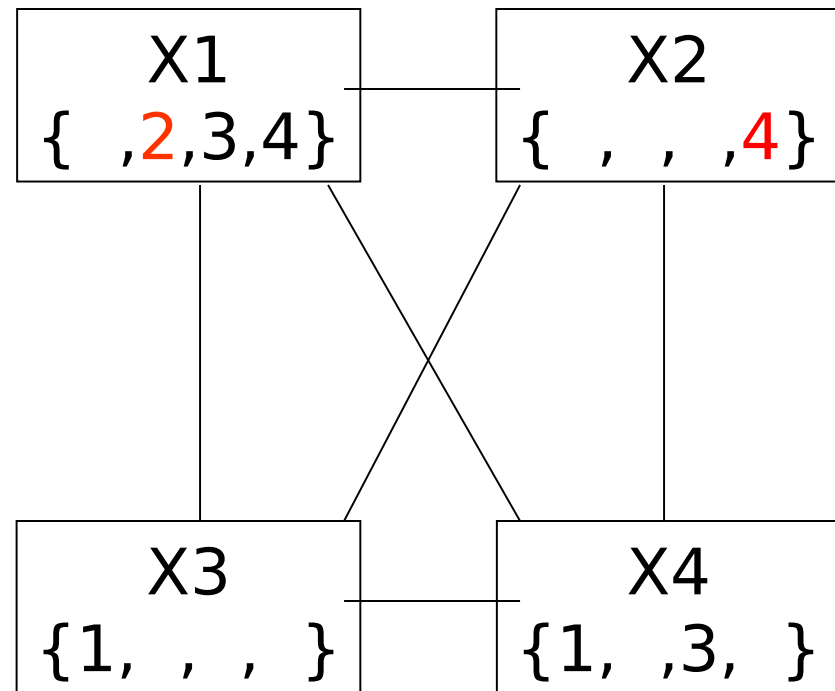
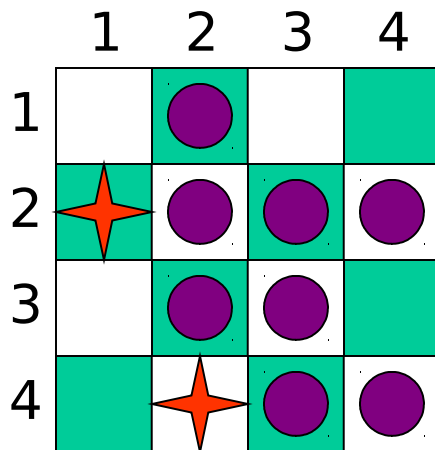
Forward check!

Example: 4-Queens Problem



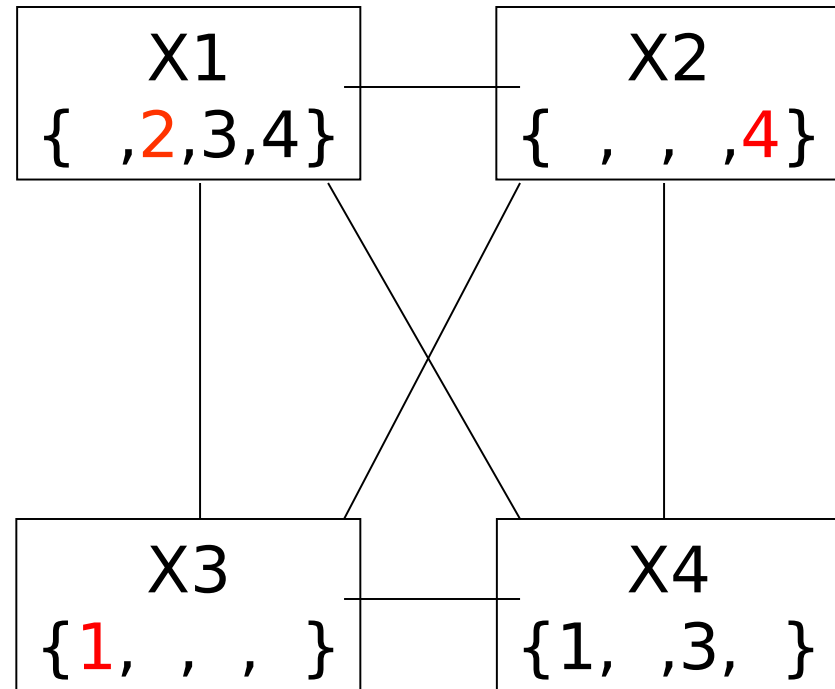
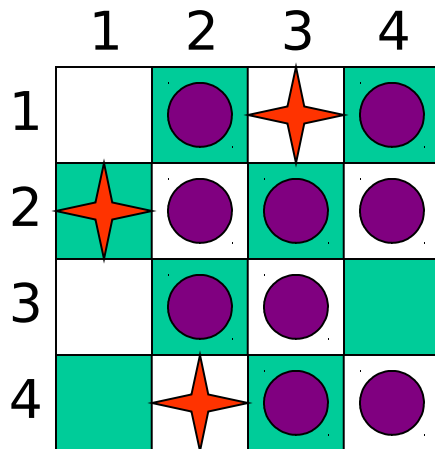
Assign value to
unassigned variable

Example: 4-Queens Problem



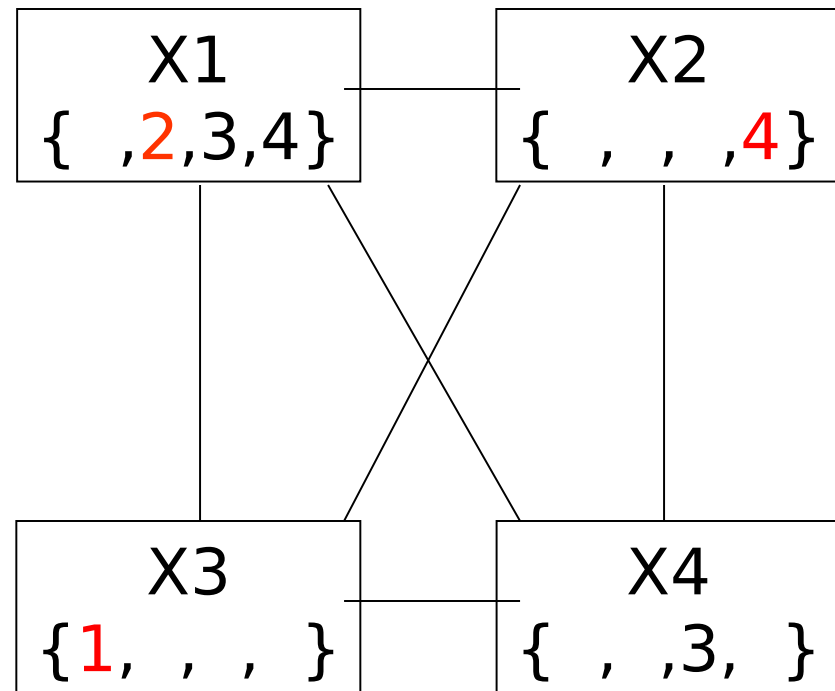
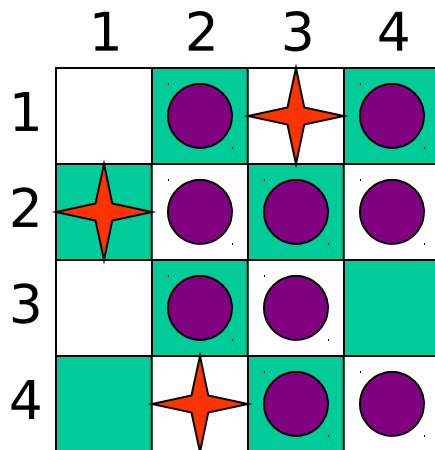
Forward check!

Example: 4-Queens Problem



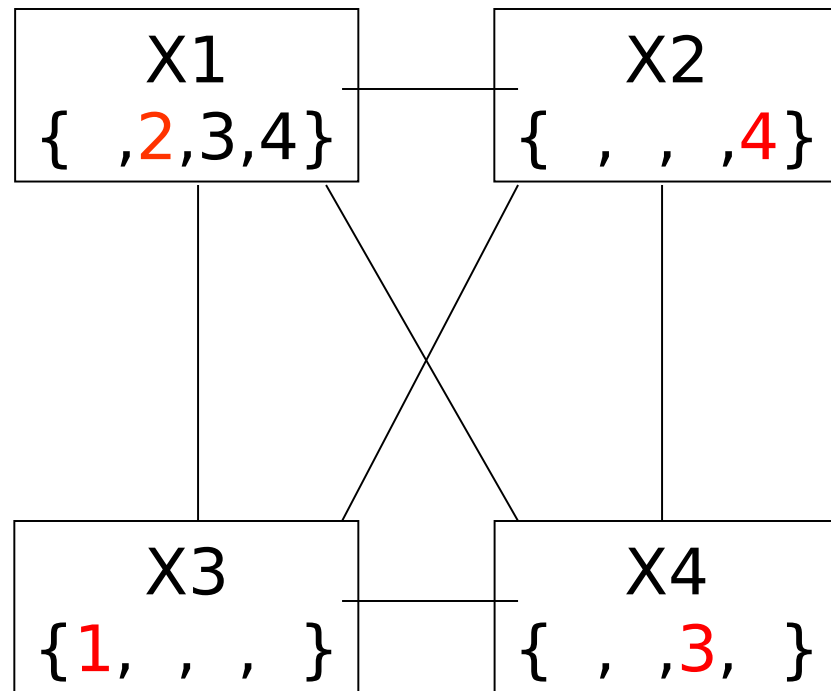
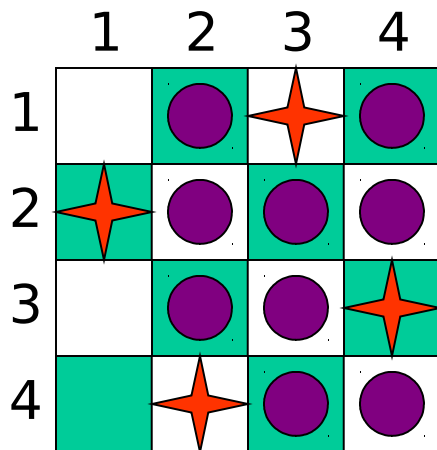
Assign value to
unassigned variable

Example: 4-Queens Problem



Forward check!

Example: 4-Queens Problem



Assign value to
unassigned variable