DetectWins

When a player places three of his or her marks in a horizontal, vertical, or diagonal line, the player wins;

EnforceTurns

To play, one player marks a square in a 3 by 3 grid with X, then the other player marks a square with O, then it is X's turn again, and so on;

SquareTaken

Once a square is marked, it cannot be marked again;

Tic Tac Toe

"implementation world"

DefaultOMoves

When other tactics are not applicable, player O should prefer the center square, then the corners, and mark an edge square only when there is no other choice;

StartOAtCenter

O should start playing at the center;

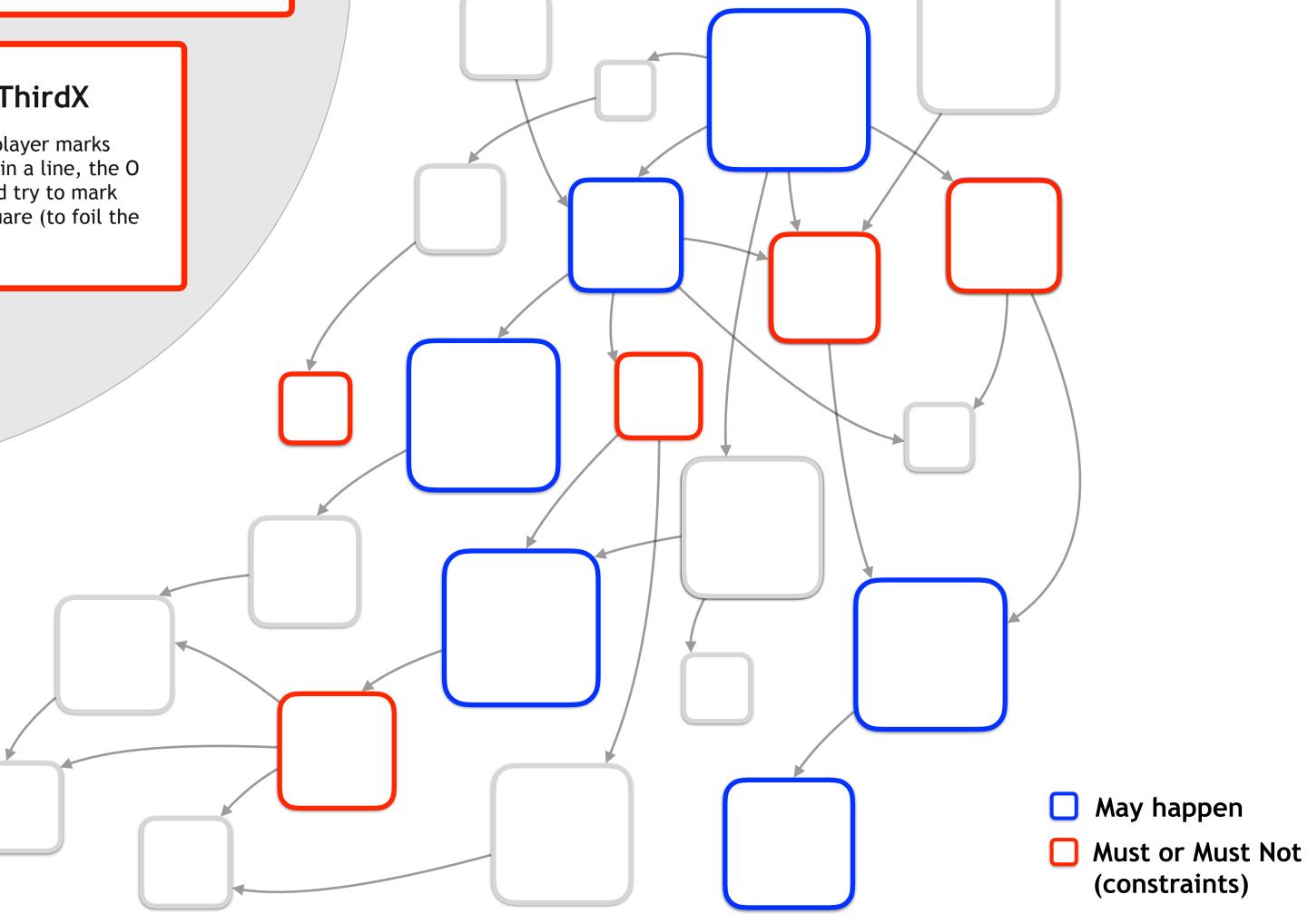
PreventThirdX

After the X player marks two squares in a line, the O player should try to mark the third square (to foil the attack);

"requirements world"

Multi-modality

Specifying what <u>may</u> happen will provide the system with options and possibilities for things to execute and specifying what must be done and what may not be done will constrain these options.



- Start driving on I-78 W [135 mi]
- Merge onto I-81 S [36.6 mi]
- Take ramp onto I-76 W [152 mi]
- Merge onto I-70 W [613 mi]
- Merge onto I-44 W [497.2 mi]
- Continue to I-40 W [1,214 mi]
- Merge onto I-15 S [72.6 mi]
- Merge onto I-10 W [38.9 mi]
 - (a) Directions

Repeatedly:

- Drive for 5 h; look for restaurant
- Stop the car; have lunch
- Drive for 5 h; look for restaurant
- Stop the car; have dinner
- Drive for 2 h; look for hotel
- Stop the car
- Sleep until morning
 - (b) Day schedule



Trip