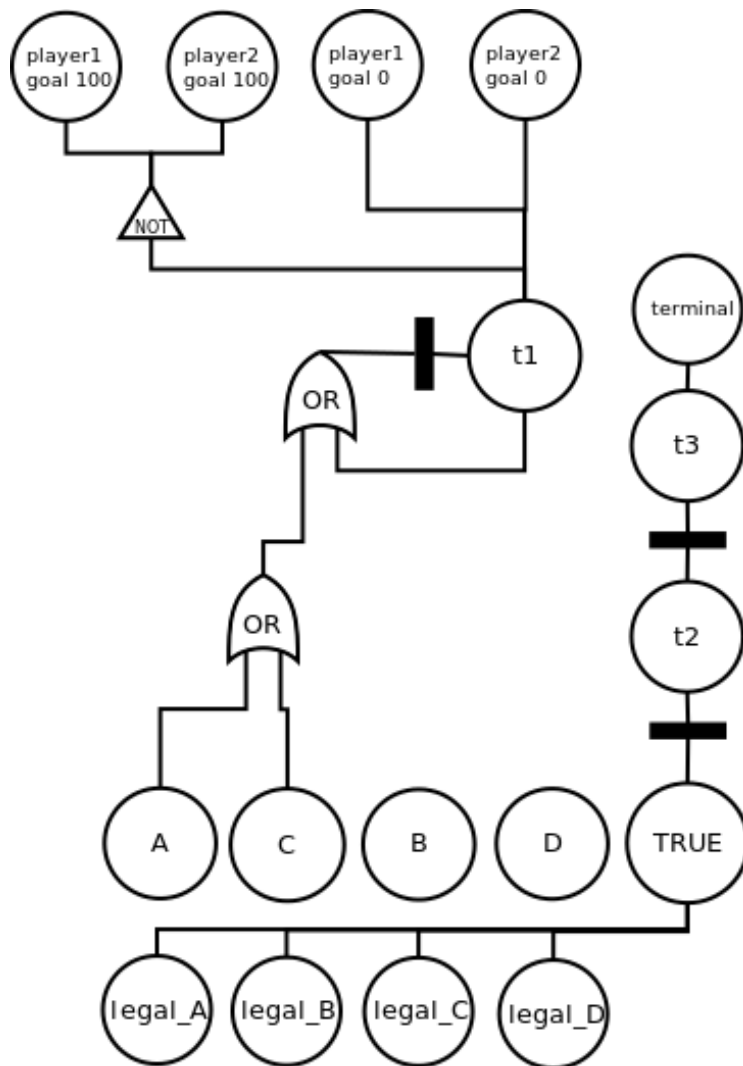


## Feedback — Exercise 9.1 - Basic Propnets

You submitted this quiz on **Sun 8 Dec 2013 1:08 PM PST**. You got a score of **10.00** out of **10.00**.



Here is a simple propnet for a two player game.

- In this game, A and B are the feasible actions for player 1, C and D are the feasible actions for player 2.
- Assume all propositions are initialized to "FALSE".

### Question 1

Which actions are legal at the game's first move?

Your Answer		Score	Explanation
<input checked="" type="checkbox"/> Action A is legal for player 1.	✓	0.50	
<input checked="" type="checkbox"/> Action B is legal for player 1.	✓	0.50	
<input checked="" type="checkbox"/> Action C is legal for player 2.	✓	0.50	
<input checked="" type="checkbox"/> Action D is legal for player 2.	✓	0.50	
Total		2.00 / 2.00	

## Question 2

Starting from the initial state, suppose player 1 plays action A and player 2 plays action D: this results in the game state S1.

Which of the following propositions are true in state S1?

Your Answer		Score	Explanation
<input checked="" type="checkbox"/> t1	✓	0.50	
<input type="checkbox"/> terminal	✓	0.50	
<input type="checkbox"/> player 1 goal 100	✓	0.50	
<input checked="" type="checkbox"/> player 1 goal 0	✓	0.50	
Total		2.00 / 2.00	

## Question 3

Starting from state S1 (as specified in question 2), suppose player 1 plays action B and player 2 plays action D: this results in the game state S2.

Which of the following propositions are true in state S2?

Your Answer		Score	Explanation
<input checked="" type="checkbox"/> t1	✓	0.50	
<input checked="" type="checkbox"/> terminal	✓	0.50	
<input type="checkbox"/> player 1 goal 100	✓	0.50	
<input checked="" type="checkbox"/> player 1 goal 0	✓	0.50	
Total		2.00 / 2.00	

## Question 4

Which of the following observations about this game are correct?

Your Answer		Score	Explanation
<input type="checkbox"/> This is a zero-sum game.	✓	1.00	
<input checked="" type="checkbox"/> Player 1 can achieve full score without ever playing action A.	✓	1.00	
<input type="checkbox"/> Player 2 can achieve full score without ever playing action D.	✓	1.00	
<input checked="" type="checkbox"/> This game will always last the same number of moves.	✓	1.00	
Total		4.00 / 4.00	