

University of Tartu
Faculty of Mathematics and Computer Science

System Modelling
Mancala Project

Storyboards

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Version Control

Date	Changes	Comments	Author
10.11	Storyboards.	User story with object diagrams.	Raigo
13.11	Storyboards.	Refactoring the structure of the document.	Simo

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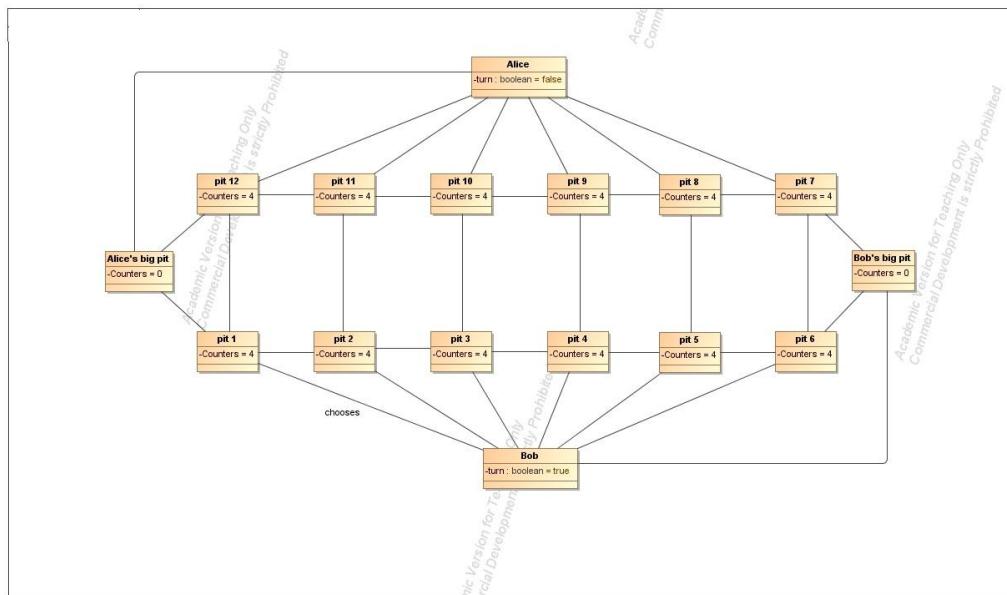
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Storyboards

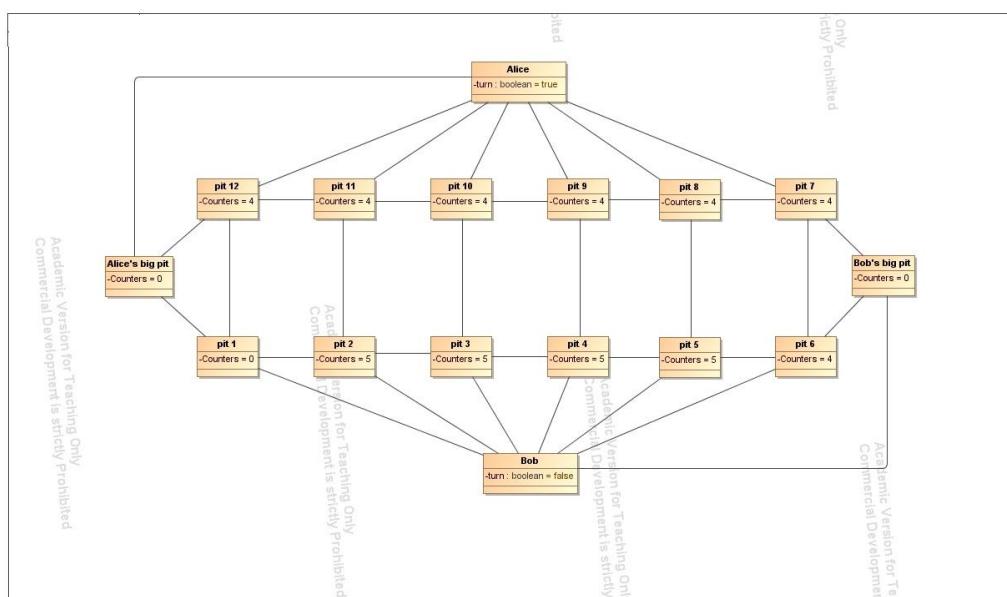
1.

Title: Bob makes a move from pit 1

Preconditions: the pits on the board contain the following amount of counters: pit 1 – 4, pit 2 – 4, pit 3 – 4, pit 4 – 4, pit 5 – 4, pit 6 – 4, pit 7 – 4, pit 8 – 4, pit 9 – 4, pit 10 – 4, pit 11 – 4, pit 12 – 4. There are 0 counters in Bob's big pit and 0 counters in Alice's big pit.



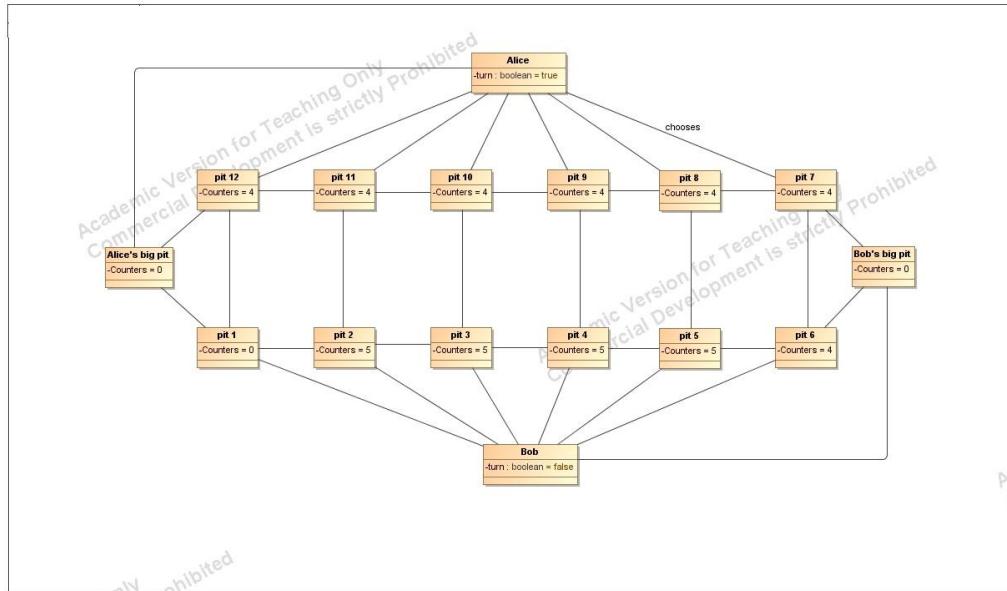
Postconditions: the pits on the board contain the following amount of counters: pit 1 – 0, pit 2 – 5, pit 3 – 5, pit 4 – 5, pit 5 – 5, pit 6 – 4, pit 7 – 4, pit 8 – 4, pit 9 – 4, pit 10 – 4, pit 11 – 4, pit 12 – 4. There are 0 counters in Bob's big pit and 0 counters in Alice's big pit.



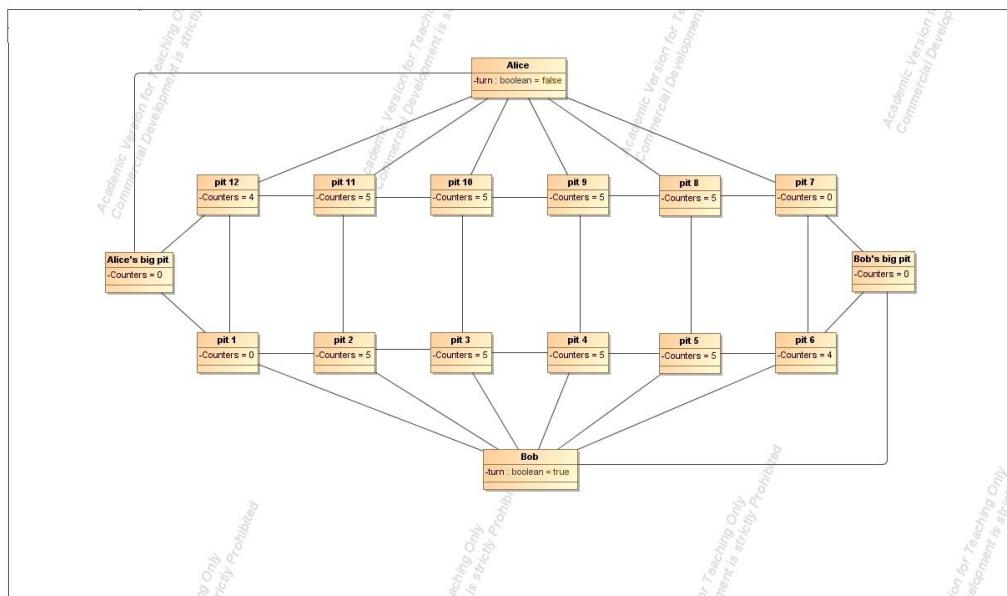
2.

Title: Alice makes a move from pit 7

Preconditions: the pits on the board contain the following amount of counters: pit 1 – 0, pit 2 – 5, pit 3 – 5, pit 4 – 5, pit 5 – 5, pit 6 – 4, pit 7 – 4, pit 8 – 4, pit 9 – 4, pit 10 – 4, pit 11 – 4, pit 12 – 4. There are 0 counters in Bob's big pit and 0 counters in Alice's big pit.



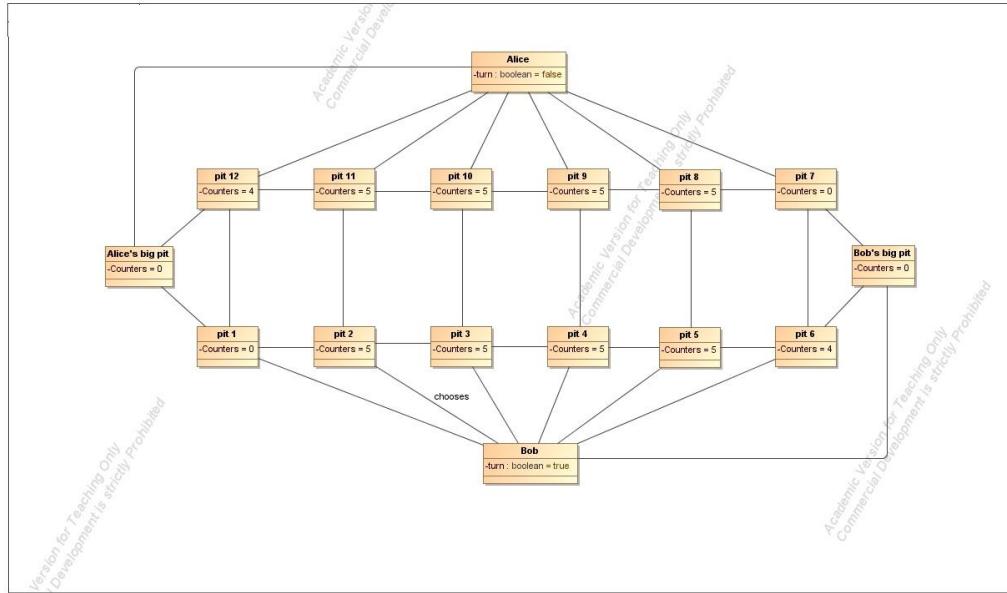
Postconditions: the pits on the board contain the following amount of counters: pit 1 – 0, pit 2 – 5, pit 3 – 5, pit 4 – 5, pit 5 – 5, pit 6 – 4, pit 7 – 0, pit 8 – 5, pit 9 – 5, pit 10 – 5, pit 11 – 5, pit 12 – 4. There are 0 counters in Bob's big pit and 0 counters in Alice's big pit.



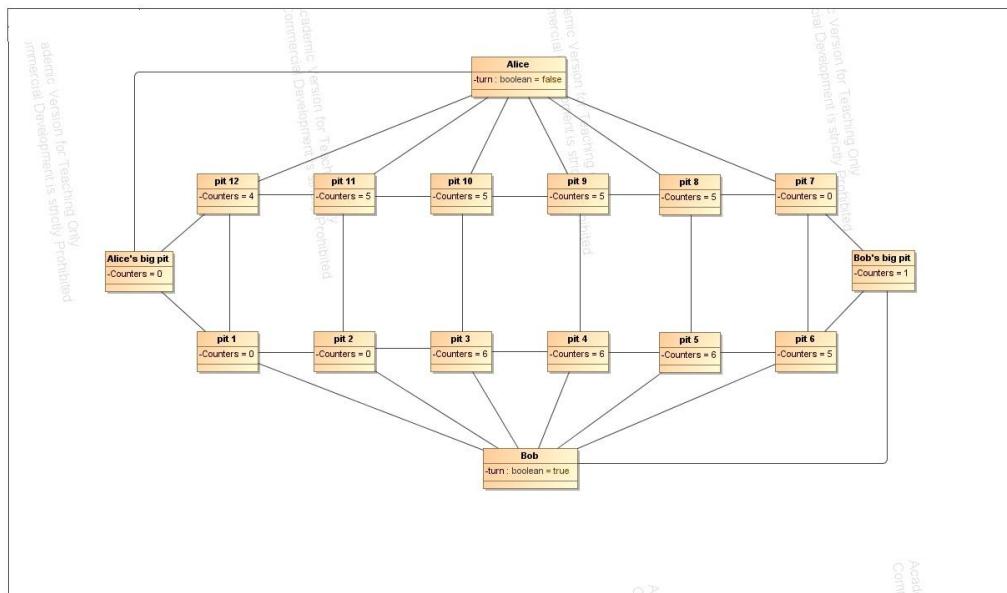
3.

Title: Bob makes a move from pit 2

Preconditions: the pits on the board contain the following amount of counters: pit 1 – 0, pit 2 – 5, pit 3 – 5, pit 4 – 5, pit 5 – 5, pit 6 – 4, pit 7 – 0, pit 8 – 5, pit 9 – 5, pit 10 – 5, pit 11 – 5, pit 12 – 4. There are 0 counters in Bob's big pit and 0 counters in Alice's big pit.



Postconditions: the pits on the board contain the following amount of counters: pit 1 – 0, pit 2 – 0, pit 3 – 6, pit 4 – 6, pit 5 – 6, pit 6 – 5, pit 7 – 0, pit 8 – 5, pit 9 – 5, pit 10 – 5, pit 11 – 5, pit 12 – 4. There is 1 counter in Bob's big pit and 0 counters in Alice's big pit. Bob gets an additional move.

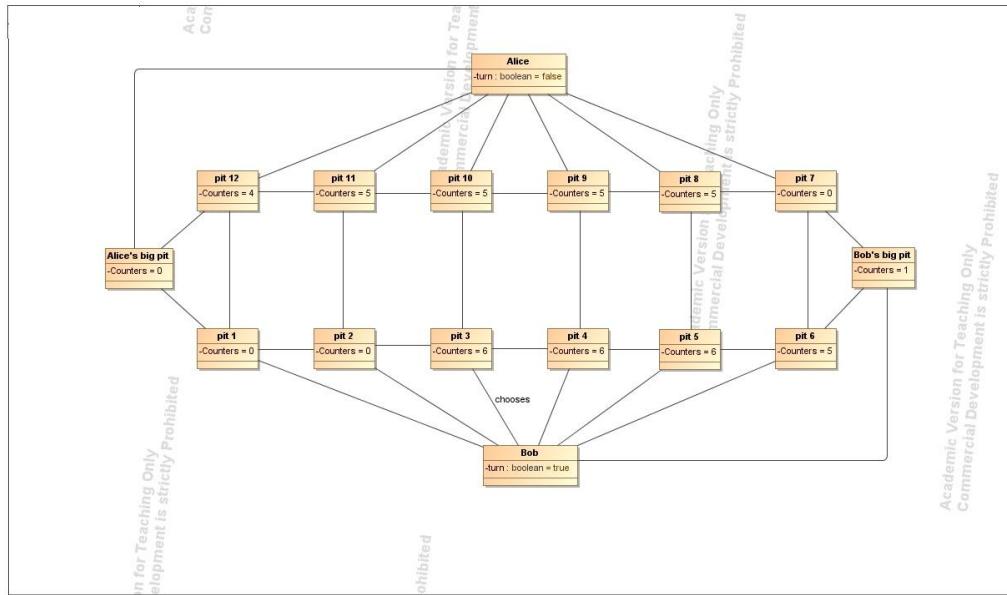


4.

Title: Bob makes a move from pit 3

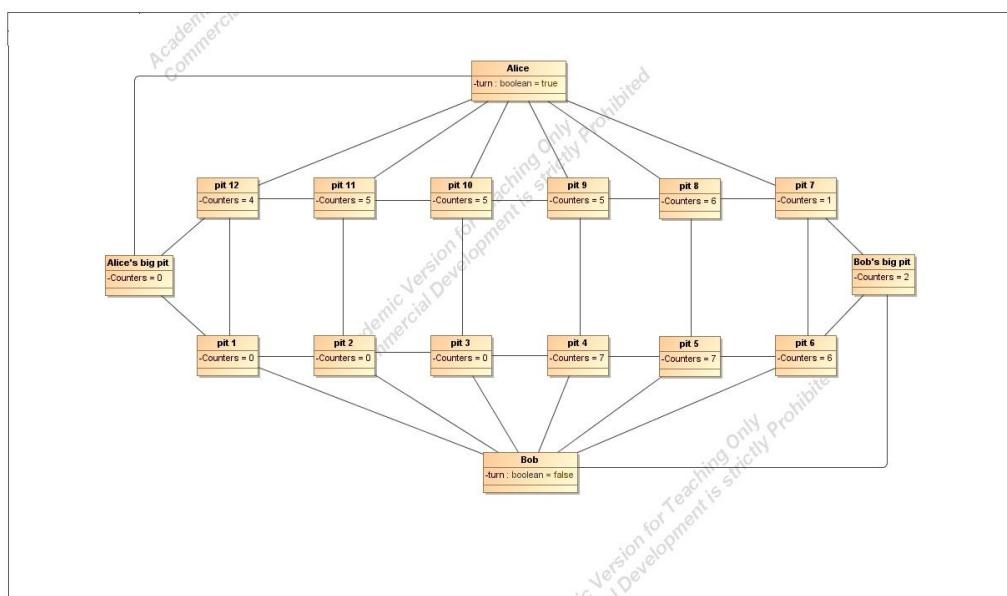
Preconditions: the pits on the board contain the following amount of counters: pit 1 – 0, pit 2 – 0, pit 3 – 6, pit 4 – 6, pit 5 – 6, pit 6 – 5, pit 7 – 0, pit 8 – 5, pit 9 – 5, pit 10 – 5, pit 11 – 5, pit 12 – 4.

There is 1 counter in Bob's big pit and 0 counters in Alice's big pit.



Postconditions: the pits on the board contain the following amount of counters: pit 1 – 0, pit 2 – 0, pit 3 – 0, pit 4 – 7, pit 5 – 7, pit 6 – 6, pit 7 – 1, pit 8 – 6, pit 9 – 5, pit 10 – 5, pit 11 – 5, pit 12 – 4.

There are 2 counters in Bob's big pit and 0 counters in Alice's big pit.

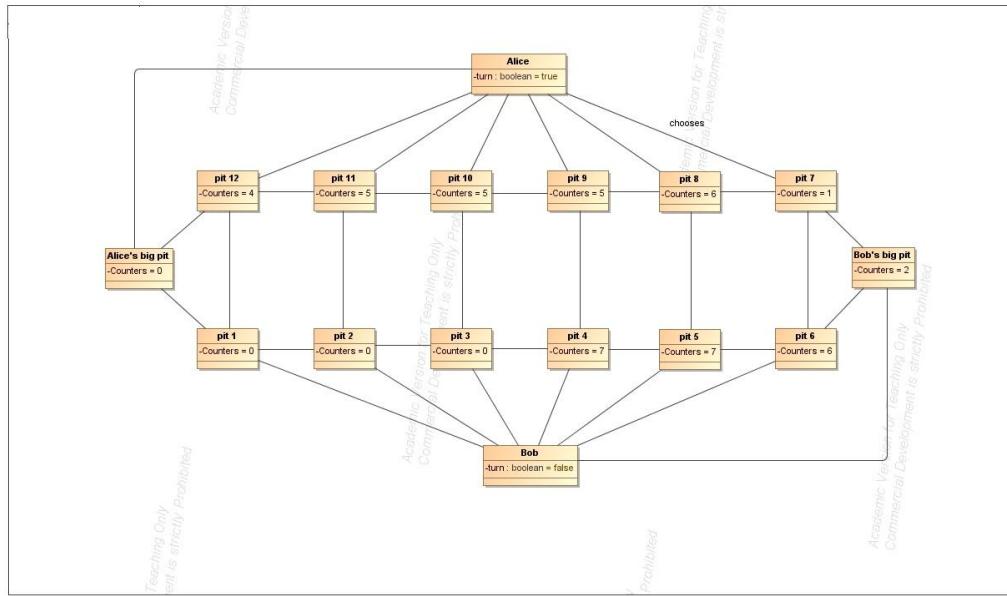


5.

Title: Alice makes a move from pit 7

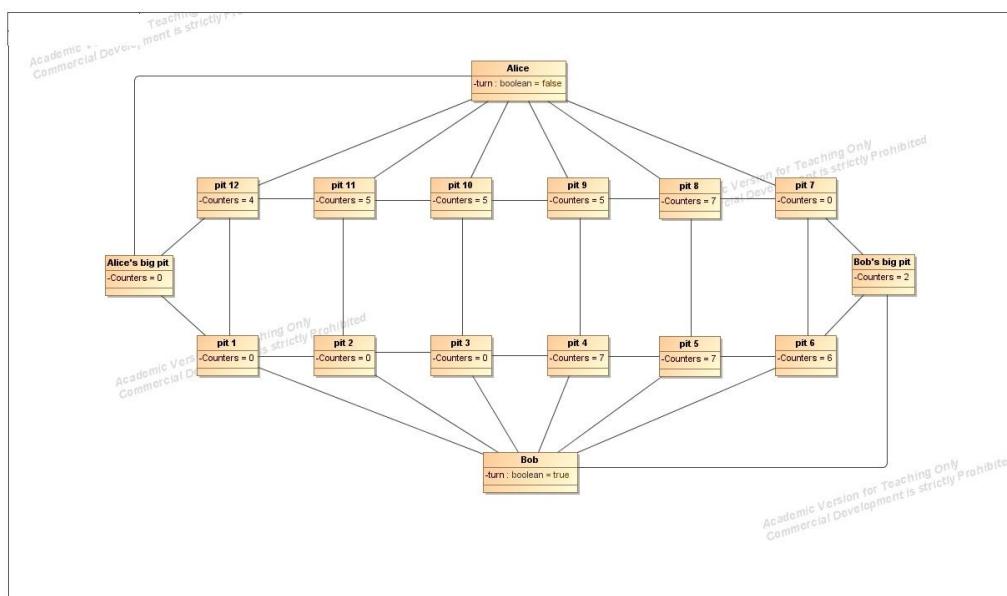
Preconditions: the pits on the board contain the following amount of counters: pit 1 – 0, pit 2 – 0, pit 3 – 0, pit 4 – 7, pit 5 – 7, pit 6 – 6, pit 7 – 1, pit 8 – 6, pit 9 – 5, pit 10 – 5, pit 11 – 5, pit 12 – 4.

There are 2 counters in Bob's big pit and 0 counters in Alice's big pit.



Postconditions: the pits on the board contain the following amount of counters: pit 1 – 0, pit 2 – 0, pit 3 – 0, pit 4 – 7, pit 5 – 7, pit 6 – 6, pit 7 – 0, pit 8 – 7, pit 9 – 5, pit 10 – 5, pit 11 – 5, pit 12 – 4.

There are 2 counters in Bob's big pit and 0 counters in Alice's big pit.

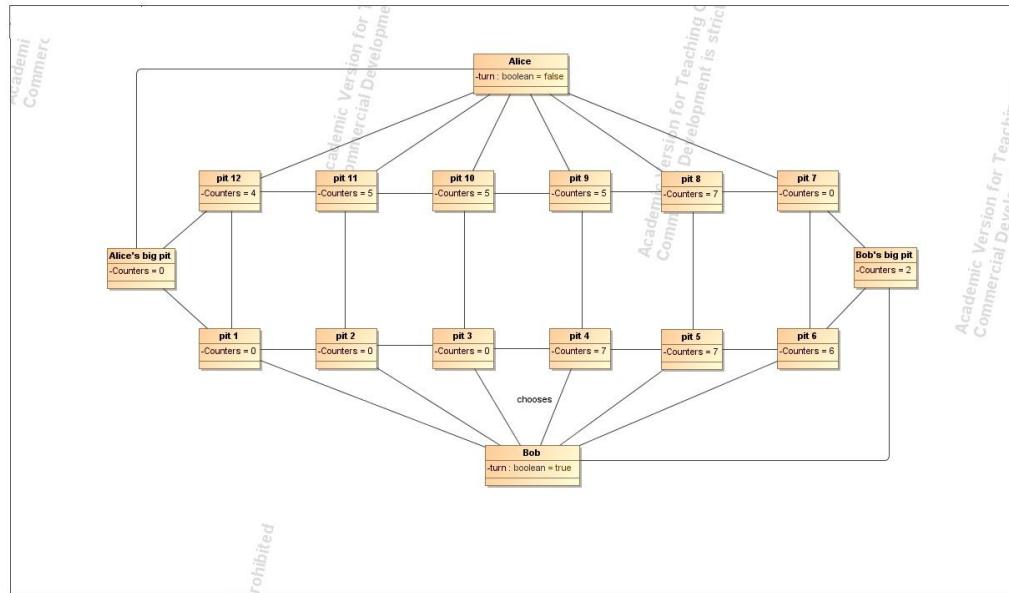


6.

Title: Bob makes a move from pit 4

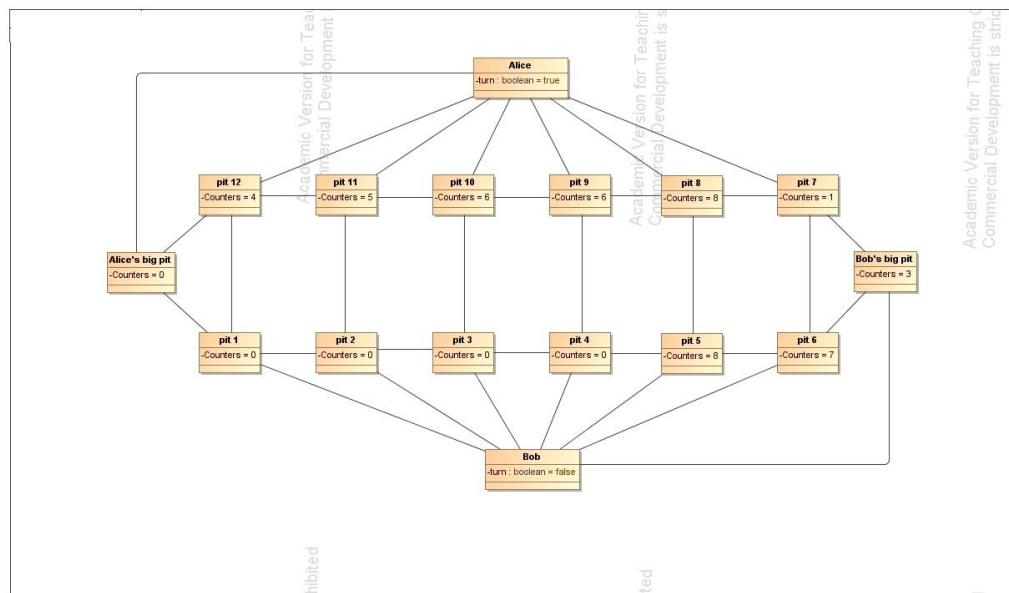
Preconditions: the pits on the board contain the following amount of counters: pit 1 – 0, pit 2 – 0, pit 3 – 0, pit 4 – 7, pit 5 – 7, pit 6 – 6, pit 7 – 0, pit 8 – 7, pit 9 – 5, pit 10 – 5, pit 11 – 5, pit 12 – 4.

There are 2 counters in Bob's big pit and 0 counters in Alice's big pit.



Postconditions: the pits on the board contain the following amount of counters: pit 1 – 0, pit 2 – 0, pit 3 – 0, pit 4 – 0, pit 5 – 8, pit 6 – 7, pit 7 – 1, pit 8 – 8, pit 9 – 6, pit 10 – 6, pit 11 – 5, pit 12 – 4.

There are 3 counters in Bob's big pit and 0 counters in Alice's big pit.

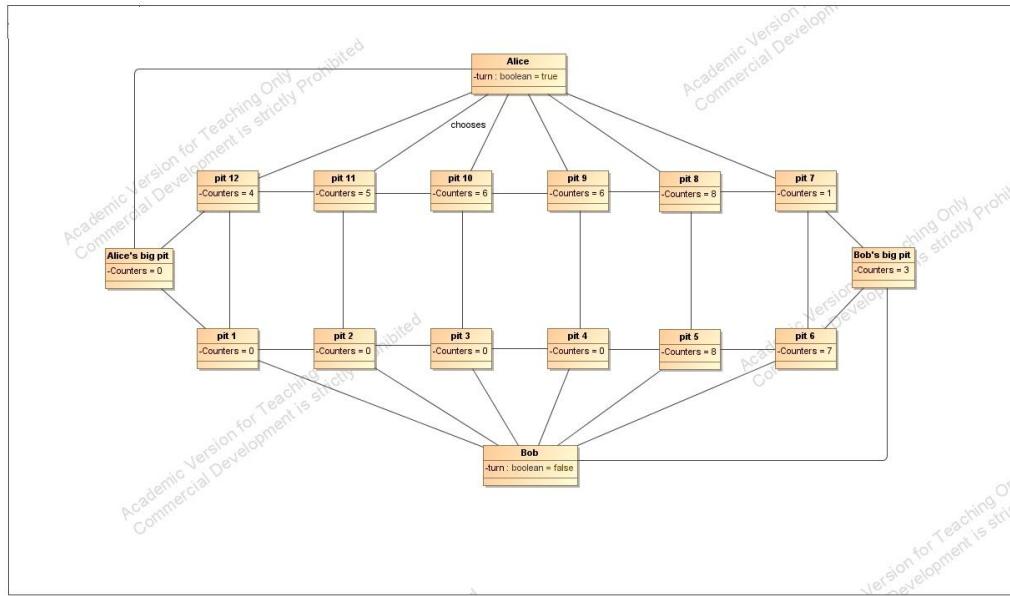


7.

Title: Alice makes a move from pit 10

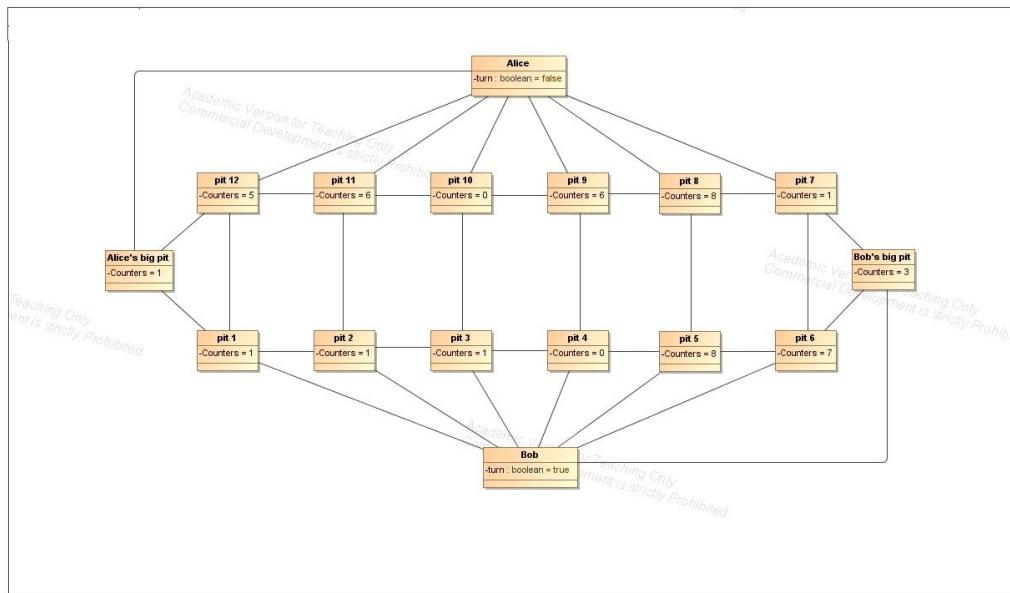
Preconditions: the pits on the board contain the following amount of counters: pit 1 – 0, pit 2 – 0, pit 3 – 0, pit 4 – 0, pit 5 – 8, pit 6 – 7, pit 7 – 1, pit 8 – 8, pit 9 – 6, pit 10 – 6, pit 11 – 5, pit 12 – 4.

There are 3 counters in Bob's big pit and 0 counters in Alice's big pit.



Postconditions: the pits on the board contain the following amount of counters: pit 1 – 1, pit 2 – 1, pit 3 – 1, pit 4 – 0, pit 5 – 8, pit 6 – 7, pit 7 – 1, pit 8 – 8, pit 9 – 6, pit 10 – 0, pit 11 – 6, pit 12 – 5.

There are 3 counters in Bob's big pit and 1 counter in Alice's big pit.

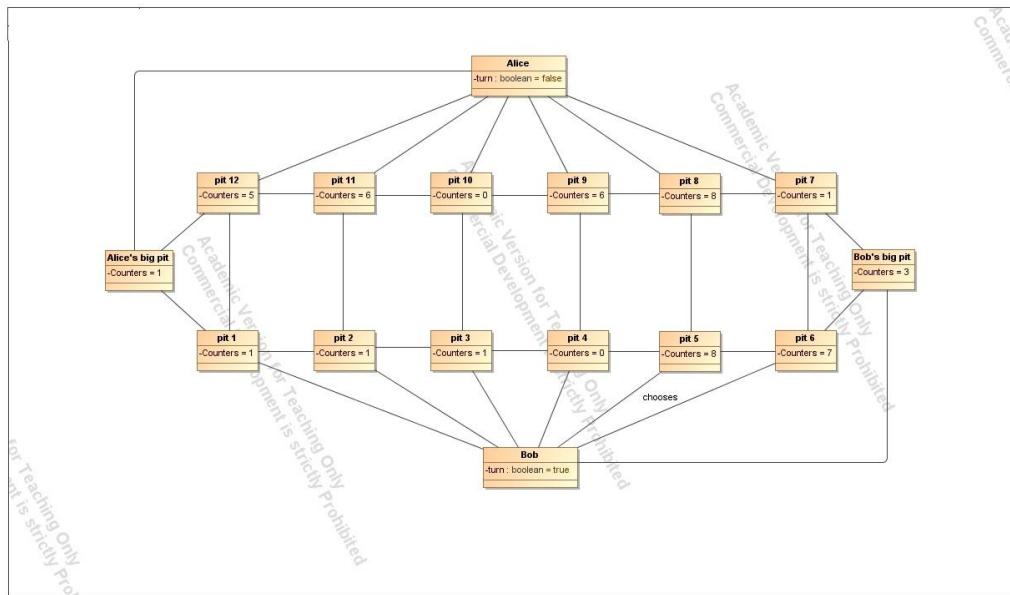


8.

Title: Bob makes a move from pit 6

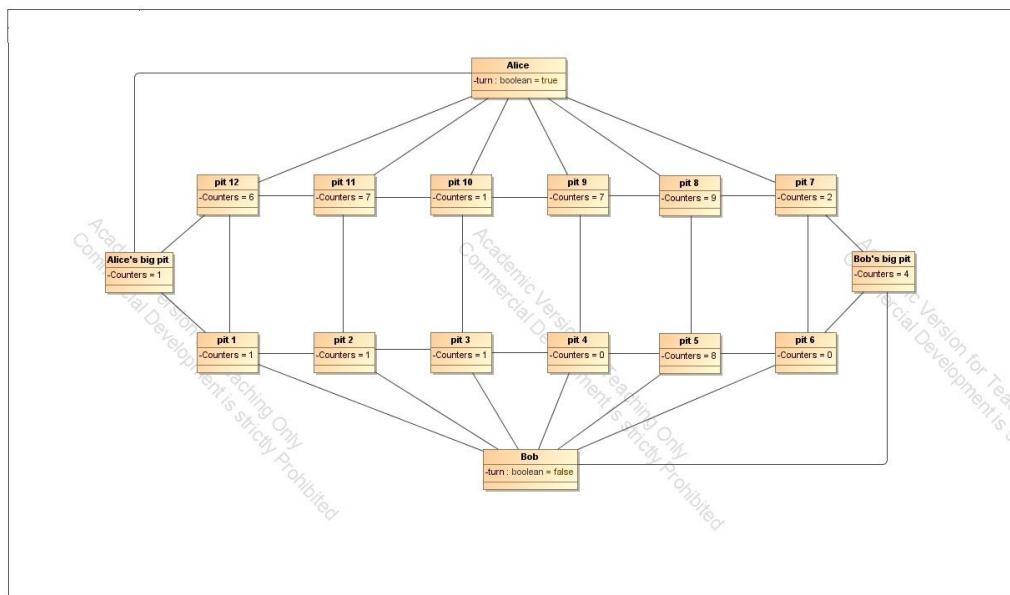
Preconditions: the pits on the board contain the following amount of counters: pit 1 – 1, pit 2 – 1, pit 3 – 1, pit 4 – 0, pit 5 – 8, pit 6 – 7, pit 7 – 1, pit 8 – 8, pit 9 – 6, pit 10 – 0, pit 11 – 6, pit 12 – 5.

There are 3 counters in Bob's big pit and 1 counter in Alice's big pit.



Postconditions: the pits on the board contain the following amount of counters: pit 1 – 1, pit 2 – 1, pit 3 – 1, pit 4 – 0, pit 5 – 8, pit 6 – 0, pit 7 – 2, pit 8 – 9, pit 9 – 7, pit 10 – 1, pit 11 – 7, pit 12 – 6.

There are 4 counters in Bob's big pit and 1 counter in Alice's big pit.

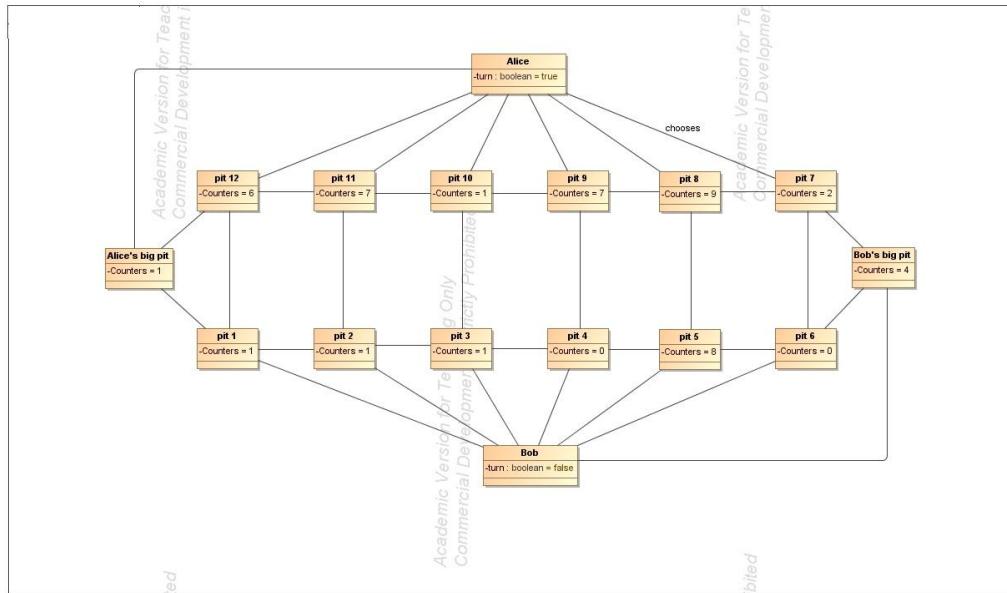


9.

Title: Alice makes a move from pit 7

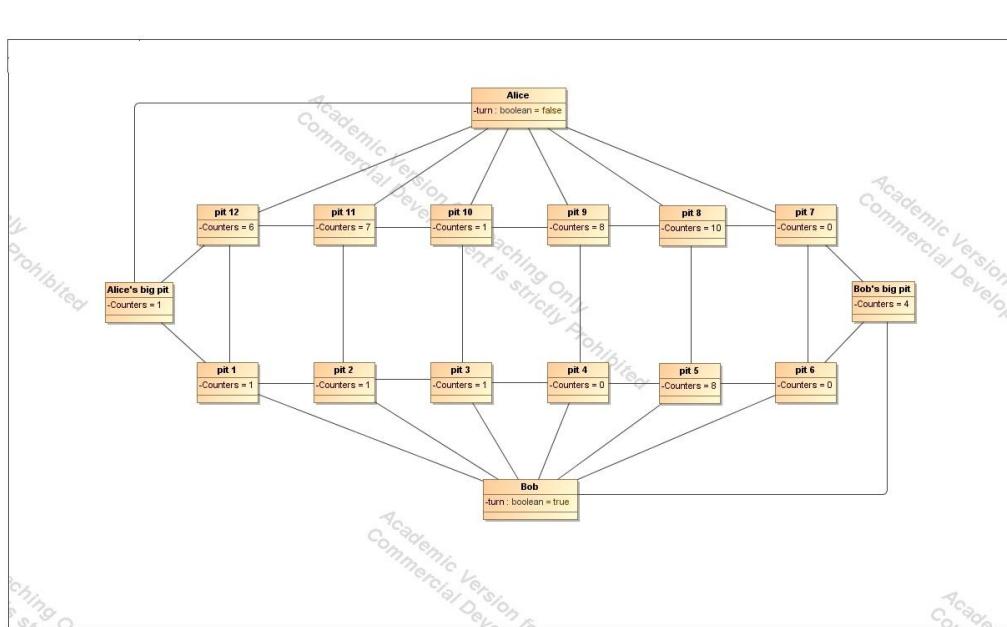
Preconditions: the pits on the board contain the following amount of counters: pit 1 – 1, pit 2 – 1, pit 3 – 1, pit 4 – 0, pit 5 – 8, pit 6 – 0, pit 7 – 2, pit 8 – 9, pit 9 – 7, pit 10 – 1, pit 11 – 7, pit 12 – 6.

There are 4 counters in Bob's big pit and 1 counter in Alice's big pit.



Postconditions: the pits on the board contain the following amount of counters: pit 1 – 1, pit 2 – 1, pit 3 – 1, pit 4 – 0, pit 5 – 8, pit 6 – 0, pit 7 – 0, pit 8 – 10, pit 9 – 8, pit 10 – 1, pit 11 – 7, pit 12 –

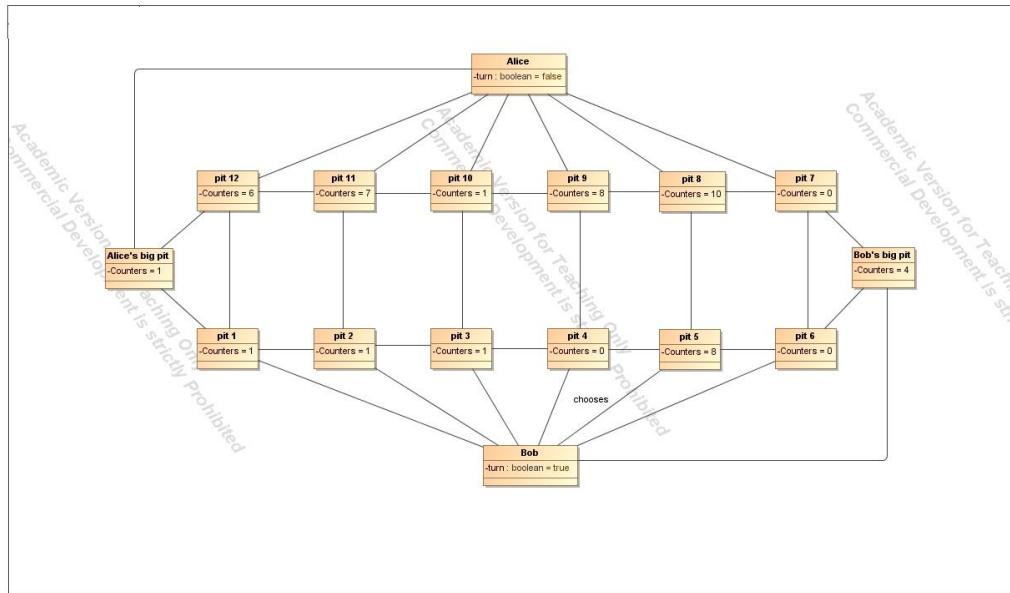
6. There are 4 counters in Bob's big pit and 1 counter in Alice's big pit.



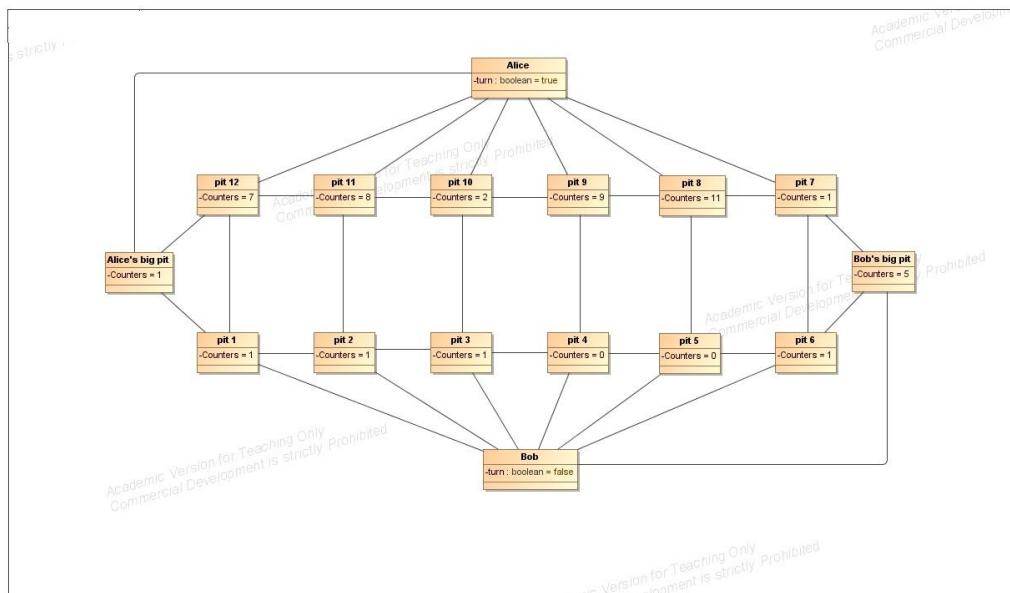
10.

Title: Bob makes a move from pit 5

Preconditions: the pits on the board contain the following amount of counters: pit 1 – 1, pit 2 – 1, pit 3 – 1, pit 4 – 0, pit 5 – 8, pit 6 – 0, pit 7 – 0, pit 8 – 10, pit 9 – 8, pit 10 – 1, pit 11 – 7, pit 12 – 6. There are 4 counters in Bob's big pit and 1 counter in Alice's big pit.



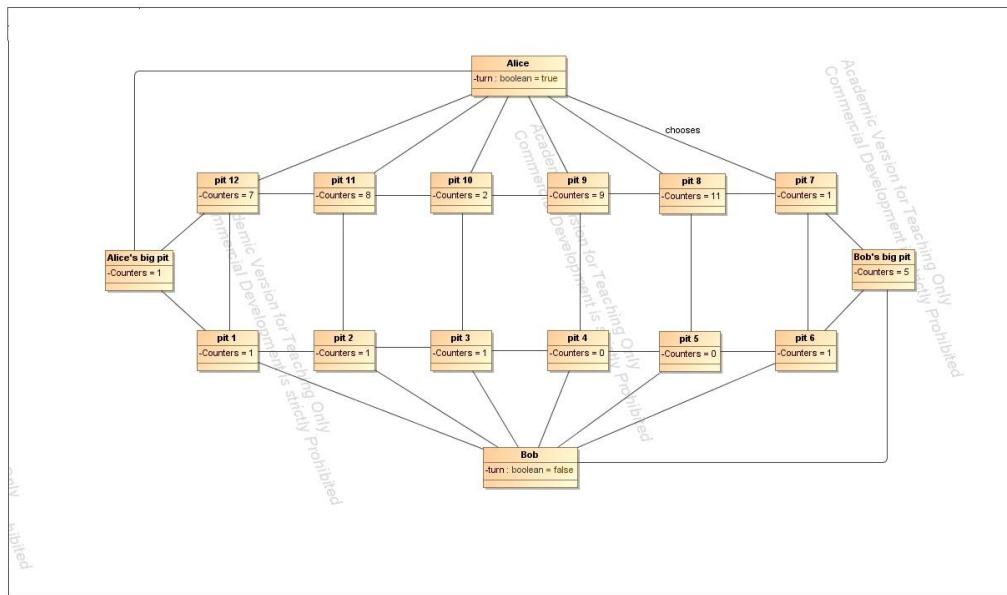
Postconditions: the pits on the board contain the following amount of counters: pit 1 – 1, pit 2 – 1, pit 3 – 1, pit 4 – 0, pit 5 – 0, pit 6 – 1, pit 7 – 1, pit 8 – 11, pit 9 – 9, pit 10 – 2, pit 11 – 8, pit 12 – 7. There are 5 counters in Bob's big pit and 1 counter in Alice's big pit.



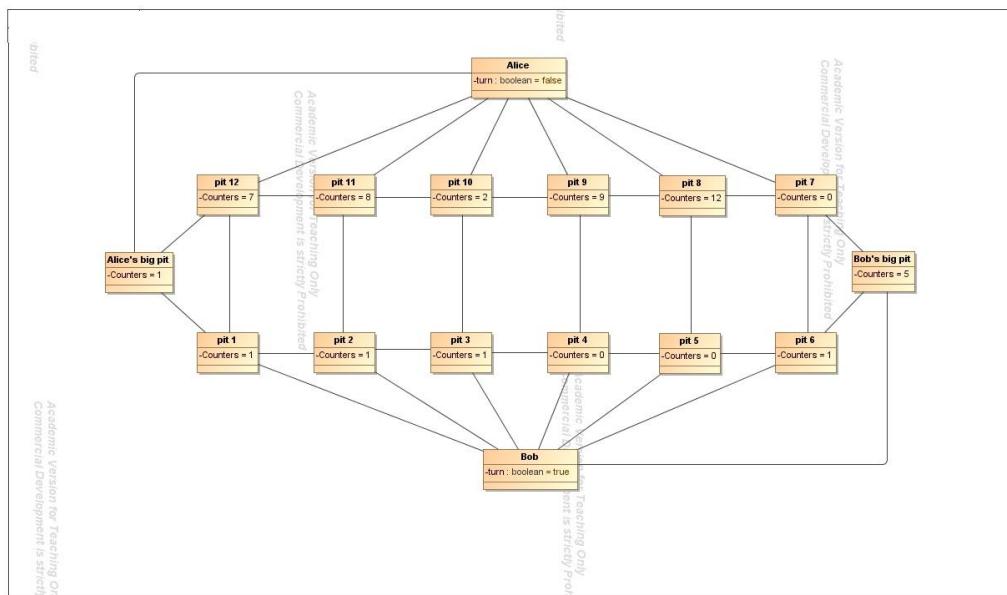
11.

Title: Alice makes a move from pit 7

Preconditions: the pits on the board contain the following amount of counters: pit 1 – 1, pit 2 – 1, pit 3 – 1, pit 4 – 0, pit 5 – 0, pit 6 – 1, pit 7 – 1, pit 8 – 11, pit 9 – 9, pit 10 – 2, pit 11 – 8, pit 12 – 7. There are 5 counters in Bob's big pit and 1 counter in Alice's big pit.



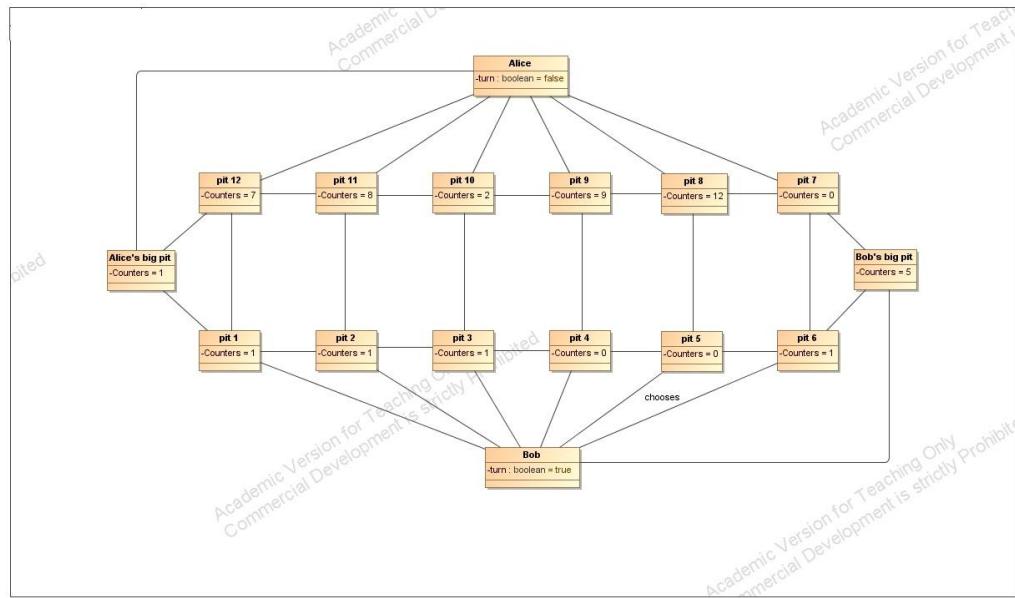
Postconditions: the pits on the board contain the following amount of counters: pit 1 – 1, pit 2 – 1, pit 3 – 1, pit 4 – 0, pit 5 – 0, pit 6 – 1, pit 7 – 0, pit 8 – 12, pit 9 – 9, pit 10 – 2, pit 11 – 8, pit 12 – 7. There are 5 counters in Bob's big pit and 1 counter in Alice's big pit.



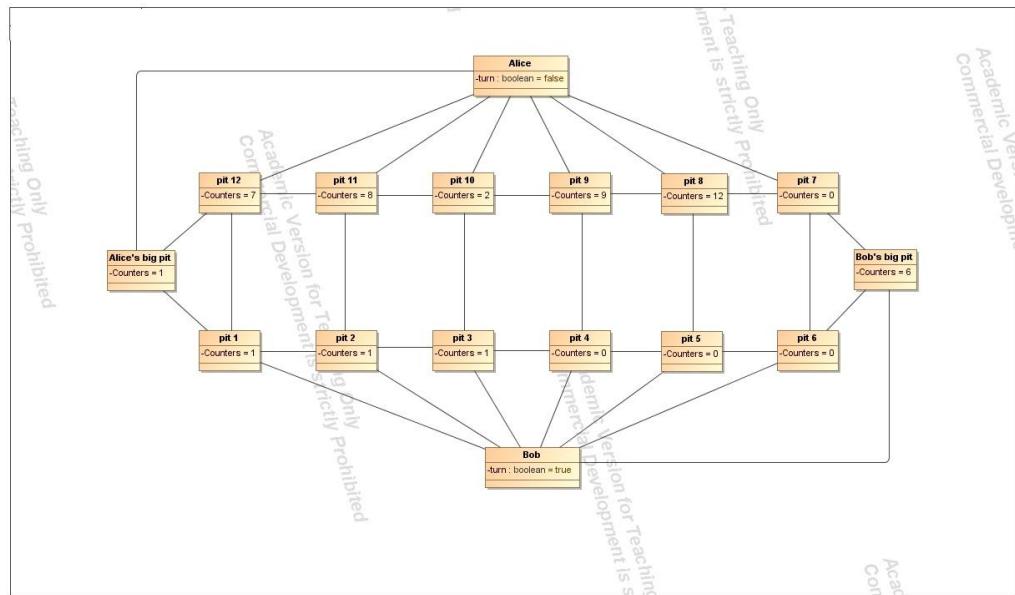
12.

Title: Bob makes a move from pit 6

Preconditions: the pits on the board contain the following amount of counters: pit 1 – 1, pit 2 – 1, pit 3 – 1, pit 4 – 0, pit 5 – 0, pit 6 – 1, pit 7 – 0, pit 8 – 12, pit 9 – 9, pit 10 – 2, pit 11 – 8, pit 12 – 7. There are 5 counters in Bob's big pit and 1 counter in Alice's big pit.



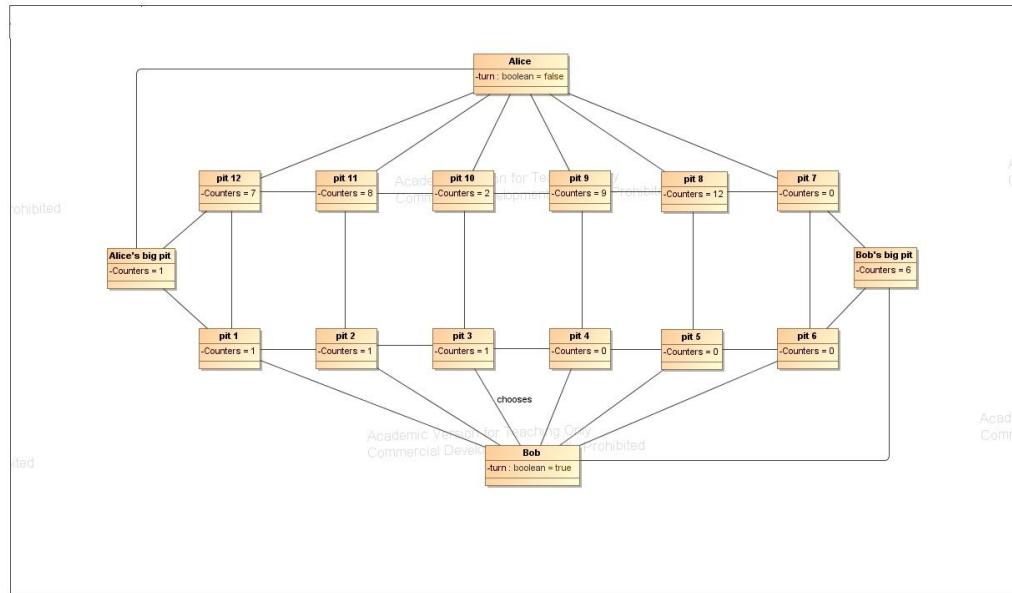
Postconditions: the pits on the board contain the following amount of counters: pit 1 – 1, pit 2 – 1, pit 3 – 1, pit 4 – 0, pit 5 – 0, pit 6 – 0, pit 7 – 0, pit 8 – 12, pit 9 – 9, pit 10 – 2, pit 11 – 8, pit 12 – 7. There are 6 counters in Bob's big pit and 1 counter in Alice's big pit. Bob gets an additional move.



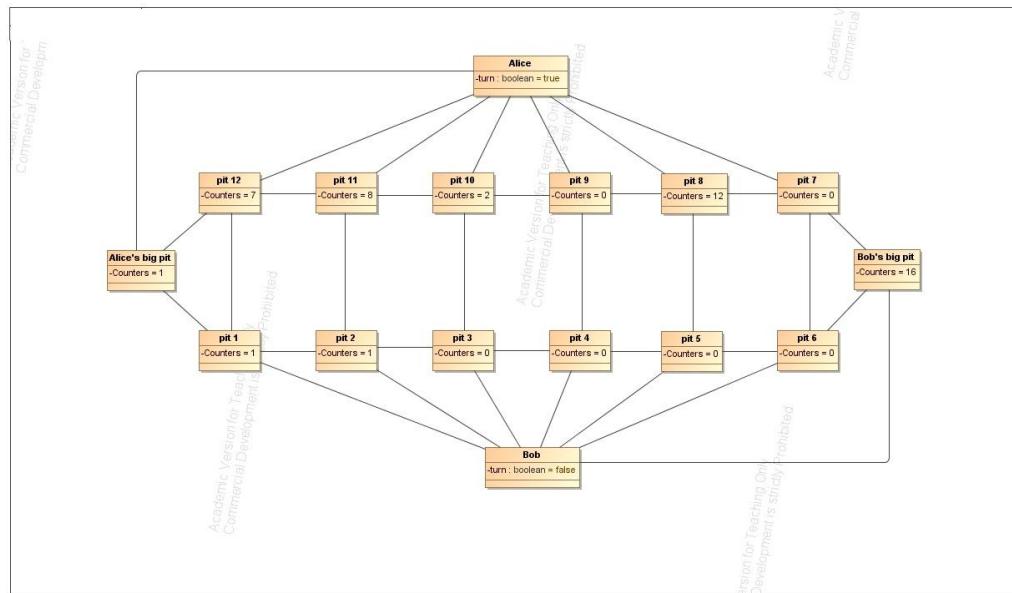
13.

Title: Bob makes a move from pit 3

Preconditions: the pits on the board contain the following amount of counters: pit 1 – 1, pit 2 – 1, pit 3 – 1, pit 4 – 0, pit 5 – 0, pit 6 – 0, pit 7 – 0, pit 8 – 12, pit 9 – 9, pit 10 – 2, pit 11 – 8, pit 12 – 7. There are 6 counters in Bob's big pit and 1 counter in Alice's big pit.



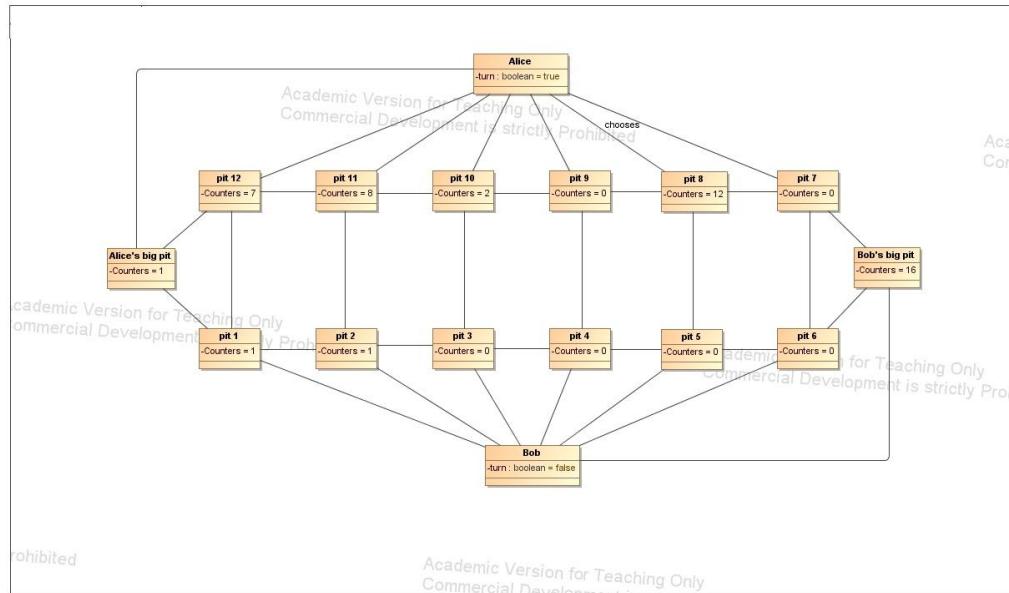
Postconditions: the pits on the board contain the following amount of counters: pit 1 – 1, pit 2 – 1, pit 3 – 0, pit 4 – 0, pit 5 – 0, pit 6 – 0, pit 7 – 0, pit 8 – 12, pit 9 – 0, pit 10 – 2, pit 11 – 8, pit 12 – 7. There are 16 counters in Bob's big pit and 1 counter in Alice's big pit.



14.

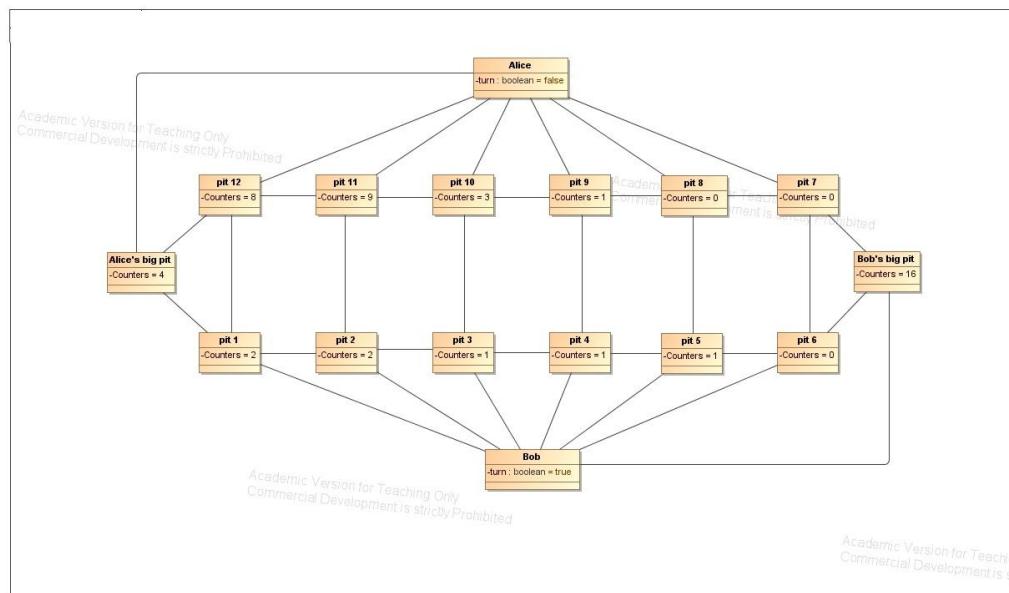
Title: Alice makes a move from pit 8

Preconditions: the pits on the board contain the following amount of counters: pit 1 – 1, pit 2 – 1, pit 3 – 0, pit 4 – 0, pit 5 – 0, pit 6 – 0, pit 7 – 0, pit 8 – 12, pit 9 – 0, pit 10 – 2, pit 11 – 8, pit 12 – 7. There are 16 counters in Bob's big pit and 1 counter in Alice's big pit.



Postconditions: the pits on the board contain the following amount of counters: pit 1 – 2, pit 2 – 2, pit 3 – 1, pit 4 – 1, pit 5 – 1, pit 6 – 0, pit 7 – 0, pit 8 – 0, pit 9 – 1, pit 10 – 3, pit 11 – 9, pit 12 – 8.

There are 16 counters in Bob's big pit and 4 counters in Alice's big pit.

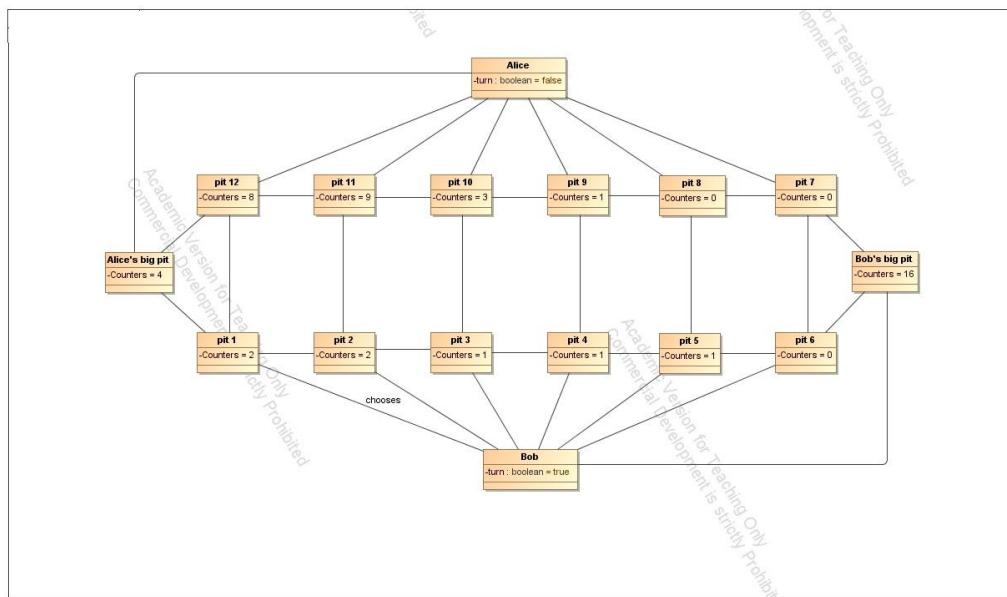


15.

Title: Bob makes a move from pit 1

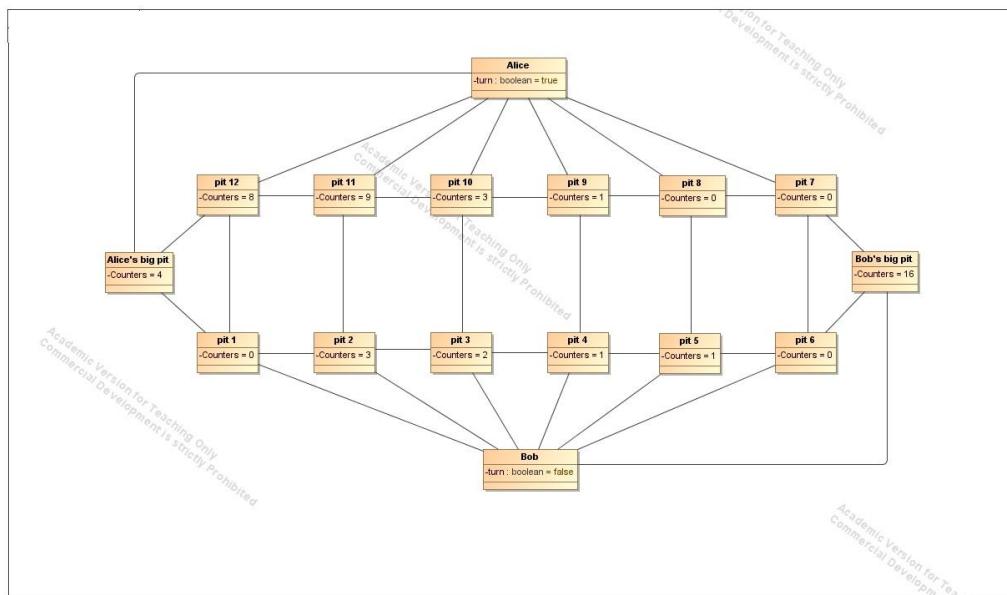
Preconditions: the pits on the board contain the following amount of counters: pit 1 – 2, pit 2 – 2, pit 3 – 1, pit 4 – 1, pit 5 – 1, pit 6 – 0, pit 7 – 0, pit 8 – 0, pit 9 – 1, pit 10 – 3, pit 11 – 9, pit 12 – 8.

There are 16 counters in Bob's big pit and 4 counters in Alice's big pit.



Postconditions: the pits on the board contain the following amount of counters: pit 1 – 0, pit 2 – 3, pit 3 – 2, pit 4 – 1, pit 5 – 1, pit 6 – 0, pit 7 – 0, pit 8 – 0, pit 9 – 1, pit 10 – 3, pit 11 – 9, pit 12 – 8.

There are 16 counters in Bob's big pit and 4 counters in Alice's big pit.

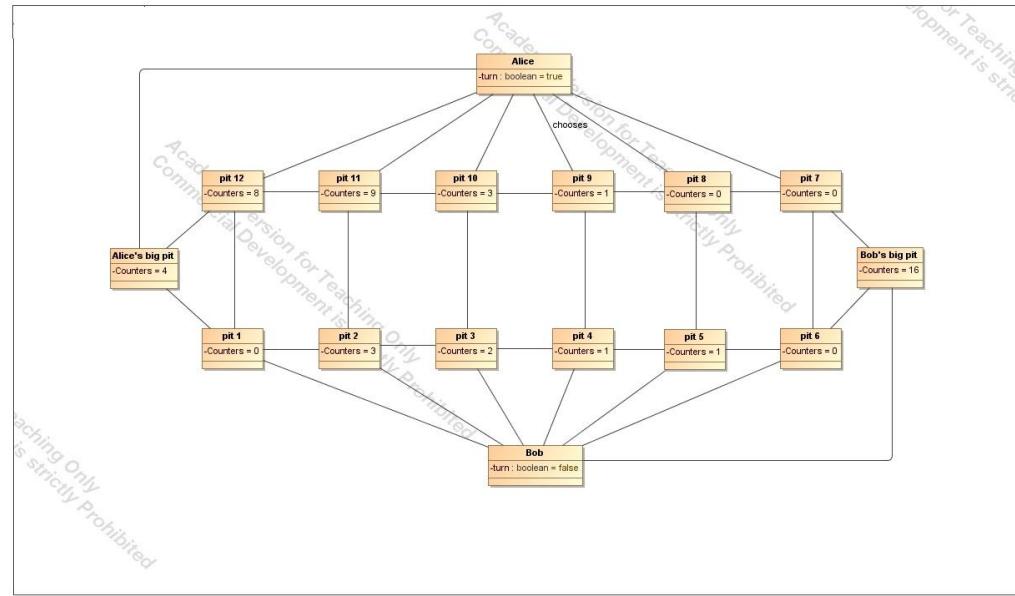


16.

Title: Alice makes a move from pit 9

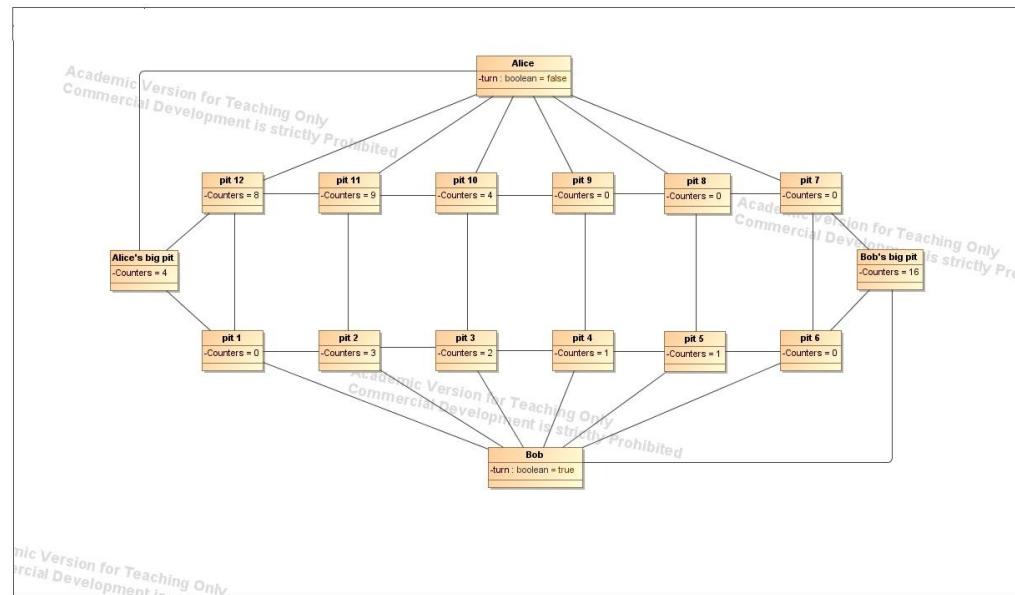
Preconditions: the pits on the board contain the following amount of counters: pit 1 – 0, pit 2 – 3, pit 3 – 2, pit 4 – 1, pit 5 – 1, pit 6 – 0, pit 7 – 0, pit 8 – 0, pit 9 – 1, pit 10 – 3, pit 11 – 9, pit 12 – 8.

There are 16 counters in Bob's big pit and 4 counters in Alice's big pit.



Postconditions: the pits on the board contain the following amount of counters: pit 1 – 0, pit 2 – 3, pit 3 – 2, pit 4 – 1, pit 5 – 1, pit 6 – 0, pit 7 – 0, pit 8 – 0, pit 9 – 0, pit 10 – 4, pit 11 – 9, pit 12 – 8.

There are 16 counters in Bob's big pit and 4 counters in Alice's big pit.

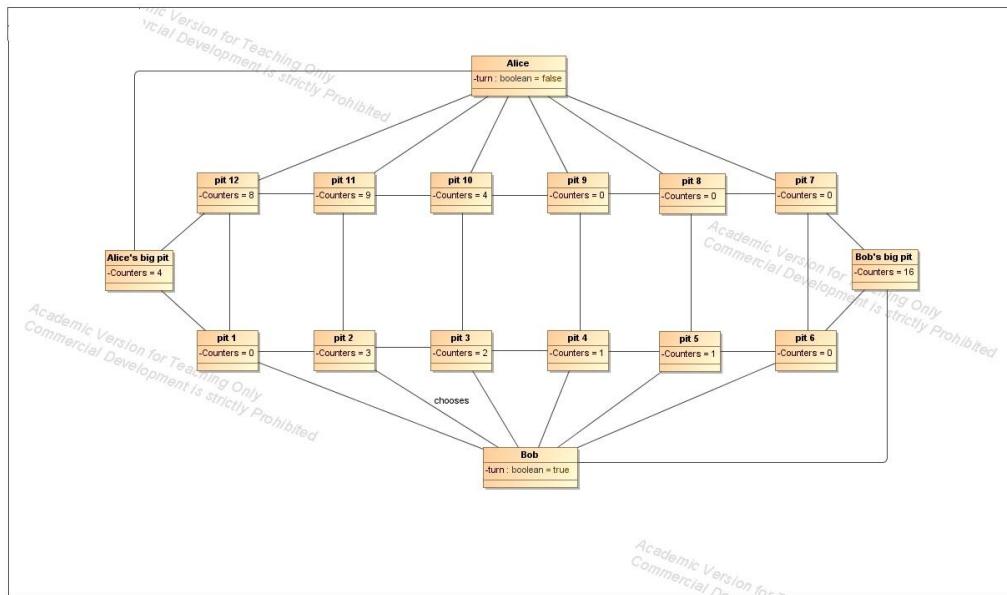


17.

Title: Bob makes a move from pit 2

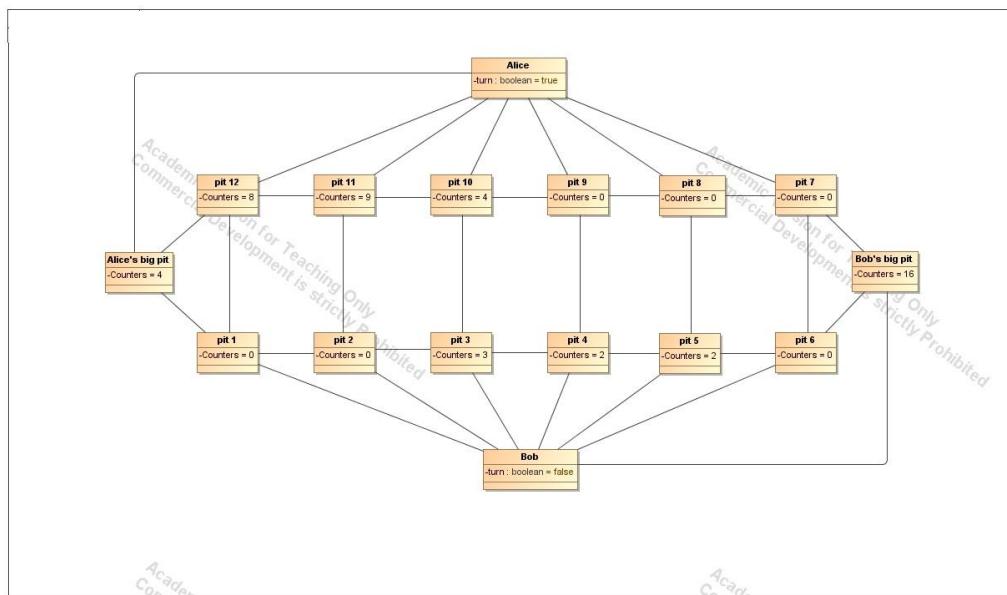
Preconditions: the pits on the board contain the following amount of counters: pit 1 – 0, pit 2 – 3, pit 3 – 2, pit 4 – 1, pit 5 – 1, pit 6 – 0, pit 7 – 0, pit 8 – 0, pit 9 – 0, pit 10 – 4, pit 11 – 9, pit 12 – 8.

There are 16 counters in Bob's big pit and 4 counters in Alice's big pit.



Postconditions: the pits on the board contain the following amount of counters: pit 1 – 0, pit 2 – 0, pit 3 – 3, pit 4 – 2, pit 5 – 2, pit 6 – 0, pit 7 – 0, pit 8 – 0, pit 9 – 0, pit 10 – 4, pit 11 – 9, pit 12 – 8.

There are 16 counters in Bob's big pit and 4 counters in Alice's big pit.

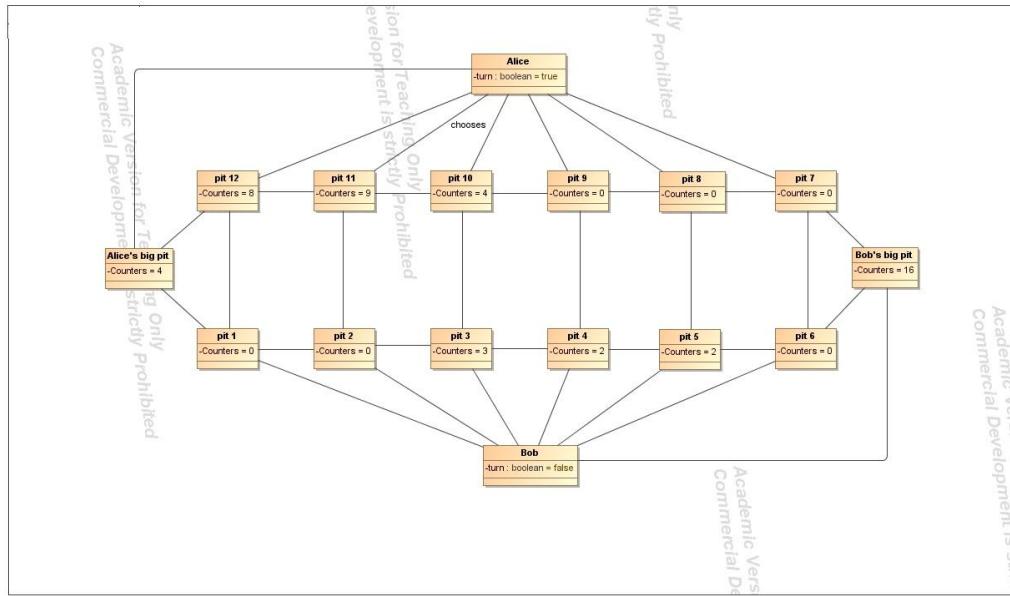


18.

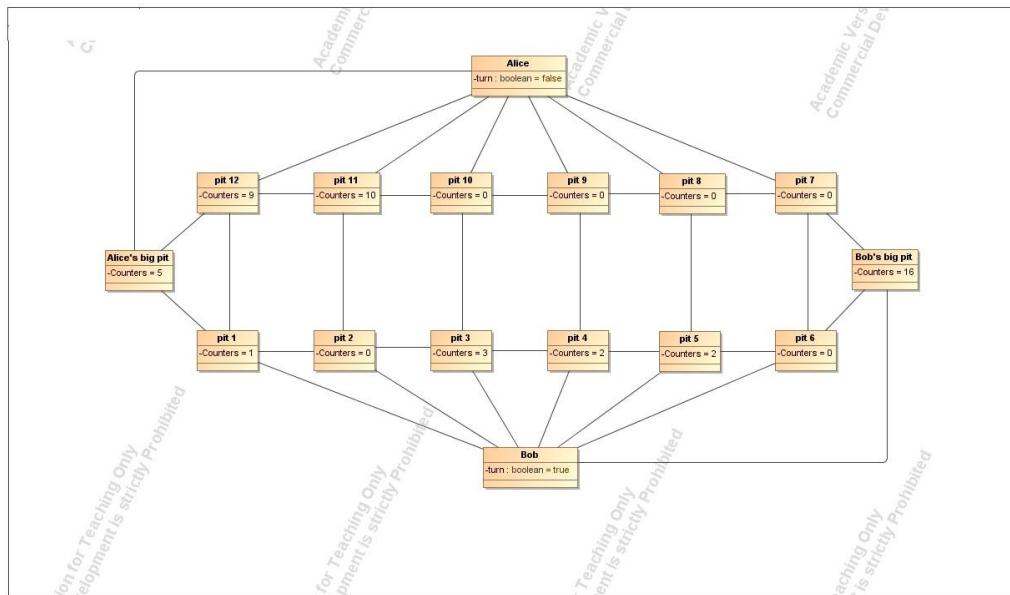
Title: Alice makes a move from pit 10

Preconditions: the pits on the board contain the following amount of counters: pit 1 – 0, pit 2 – 0, pit 3 – 3, pit 4 – 2, pit 5 – 2, pit 6 – 0, pit 7 – 0, pit 8 – 0, pit 9 – 0, pit 10 – 4, pit 11 – 9, pit 12 – 8.

There are 16 counters in Bob's big pit and 4 counters in Alice's big pit.



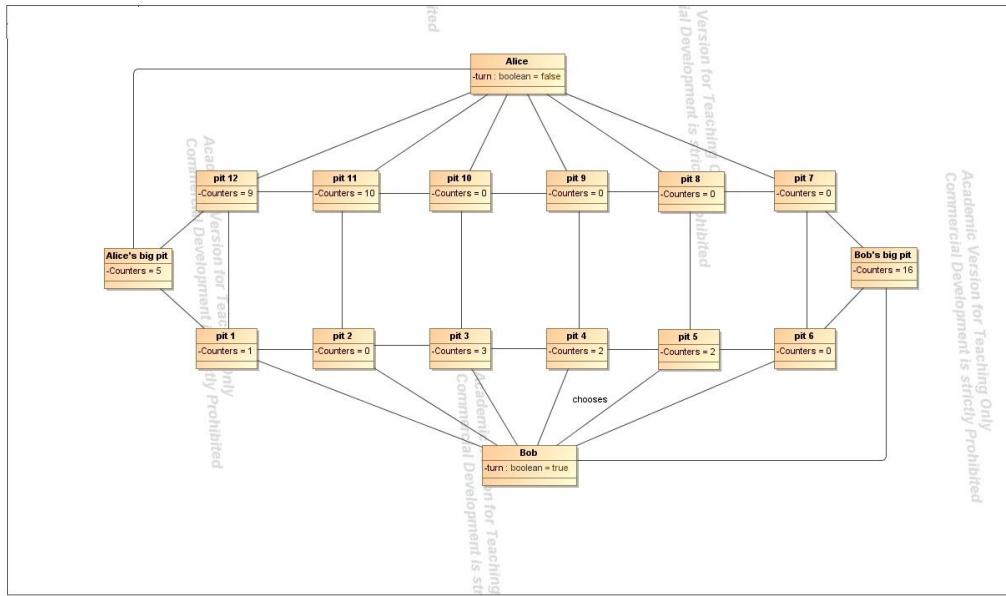
Postconditions: the pits on the board contain the following amount of counters: pit 1 – 1, pit 2 – 0, pit 3 – 3, pit 4 – 2, pit 5 – 2, pit 6 – 0, pit 7 – 0, pit 8 – 0, pit 9 – 0, pit 10 – 0, pit 11 – 10, pit 12 – 9. There are 16 counters in Bob's big pit and 5 counters in Alice's big pit.



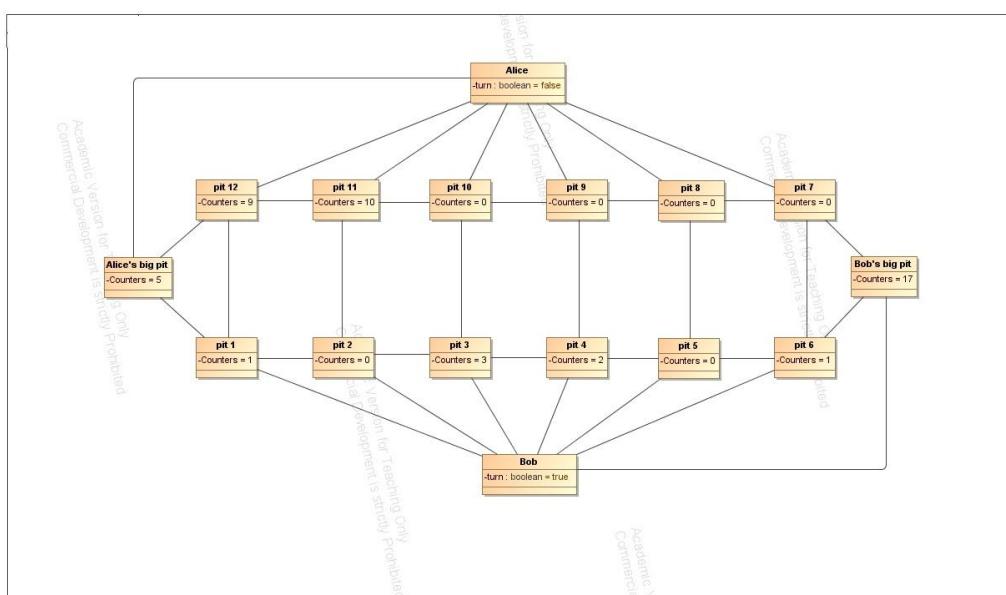
19.

Title: Bob makes a move from pit 5

Preconditions: the pits on the board contain the following amount of counters: pit 1 – 1, pit 2 – 0, pit 3 – 3, pit 4 – 2, pit 5 – 2, pit 6 – 0, pit 7 – 0, pit 8 – 0, pit 9 – 0, pit 10 – 0, pit 11 – 10, pit 12 – 9. There are 16 counters in Bob's big pit and 5 counters in Alice's big pit.



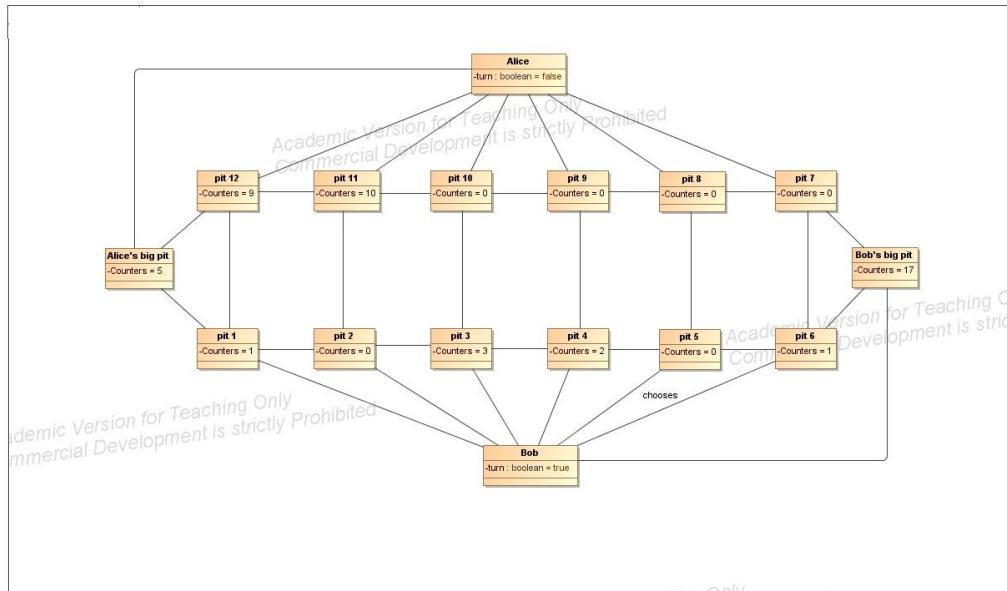
Postconditions: the pits on the board contain the following amount of counters: pit 1 – 1, pit 2 – 0, pit 3 – 3, pit 4 – 2, pit 5 – 0, pit 6 – 1, pit 7 – 0, pit 8 – 0, pit 9 – 0, pit 10 – 0, pit 11 – 10, pit 12 – 9. There are 17 counters in Bob's big pit and 5 counters in Alice's big pit. Bob gets an additional move.



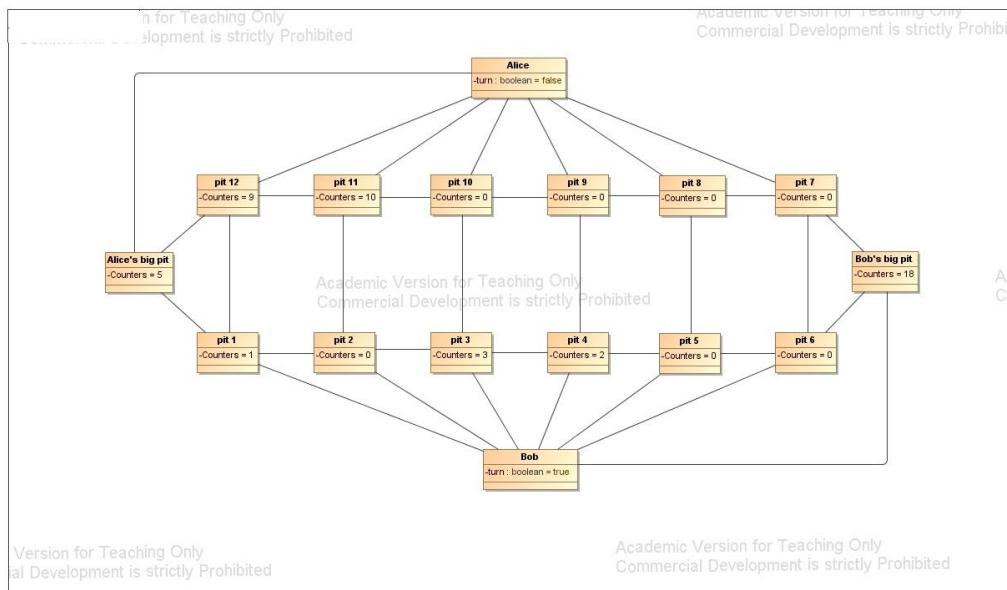
20.

Title: Bob makes a move from pit 6

Preconditions: the pits on the board contain the following amount of counters: pit 1 – 1, pit 2 – 0, pit 3 – 3, pit 4 – 2, pit 5 – 0, pit 6 – 1, pit 7 – 0, pit 8 – 0, pit 9 – 0, pit 10 – 0, pit 11 – 10, pit 12 – 9. There are 17 counters in Bob's big pit and 5 counters in Alice's big pit.



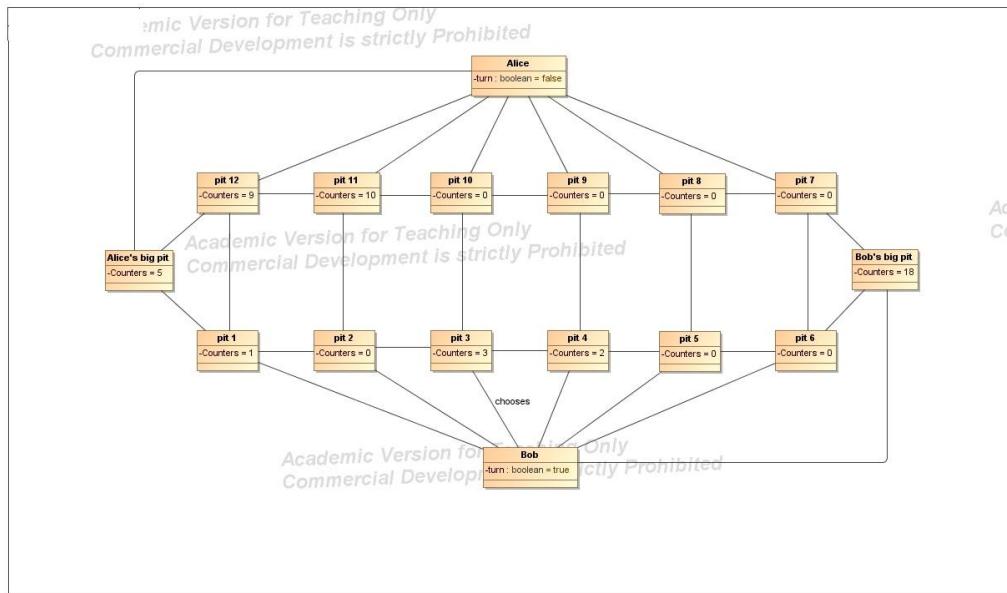
Postconditions: the pits on the board contain the following amount of counters: pit 1 – 1, pit 2 – 0, pit 3 – 3, pit 4 – 2, pit 5 – 0, pit 6 – 0, pit 7 – 0, pit 8 – 0, pit 9 – 0, pit 10 – 0, pit 11 – 10, pit 12 – 9. There are 18 counters in Bob's big pit and 5 counters in Alice's big pit.



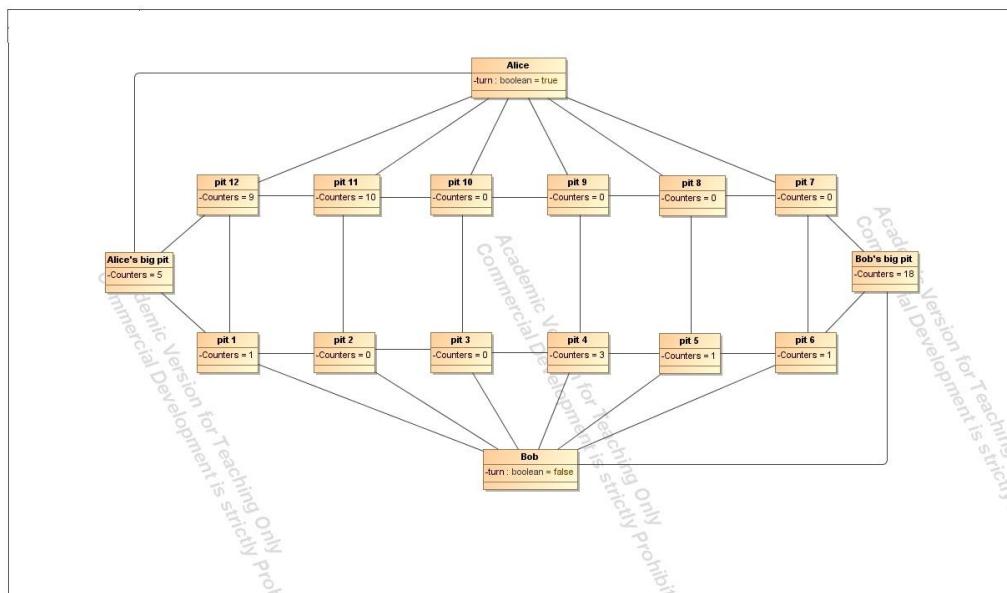
21.

Title: Bob makes a move from pit 3

Preconditions: the pits on the board contain the following amount of counters: pit 1 – 1, pit 2 – 0, pit 3 – 3, pit 4 – 2, pit 5 – 0, pit 6 – 0, pit 7 – 0, pit 8 – 0, pit 9 – 0, pit 10 – 0, pit 11 – 10, pit 12 – 9. There are 18 counters in Bob's big pit and 5 counters in Alice's big pit.



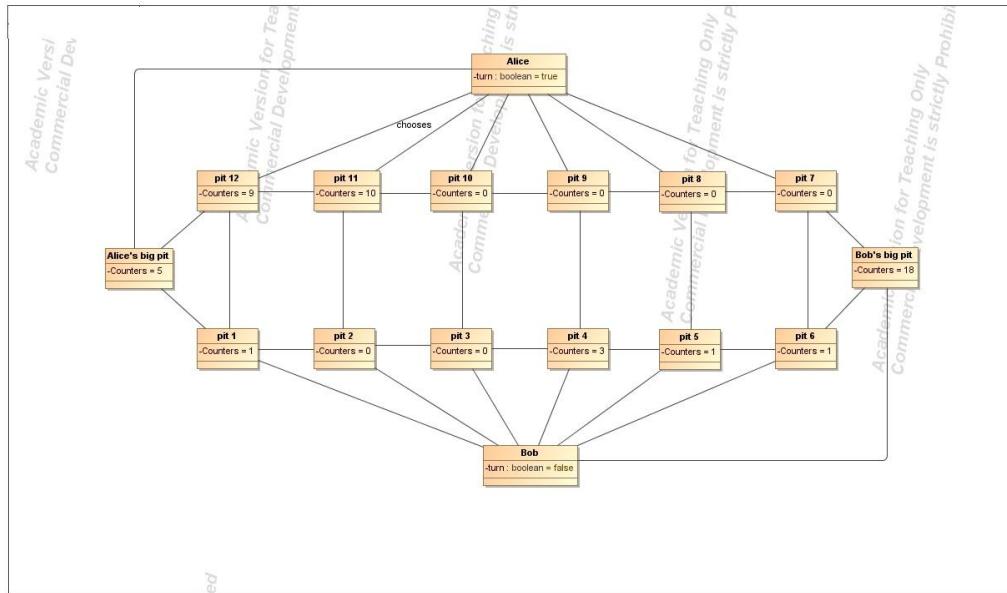
Postconditions: the pits on the board contain the following amount of counters: pit 1 – 1, pit 2 – 0, pit 3 – 0, pit 4 – 3, pit 5 – 1, pit 6 – 1, pit 7 – 0, pit 8 – 0, pit 9 – 0, pit 10 – 0, pit 11 – 10, pit 12 – 9. There are 18 counters in Bob's big pit and 5 counters in Alice's big pit.



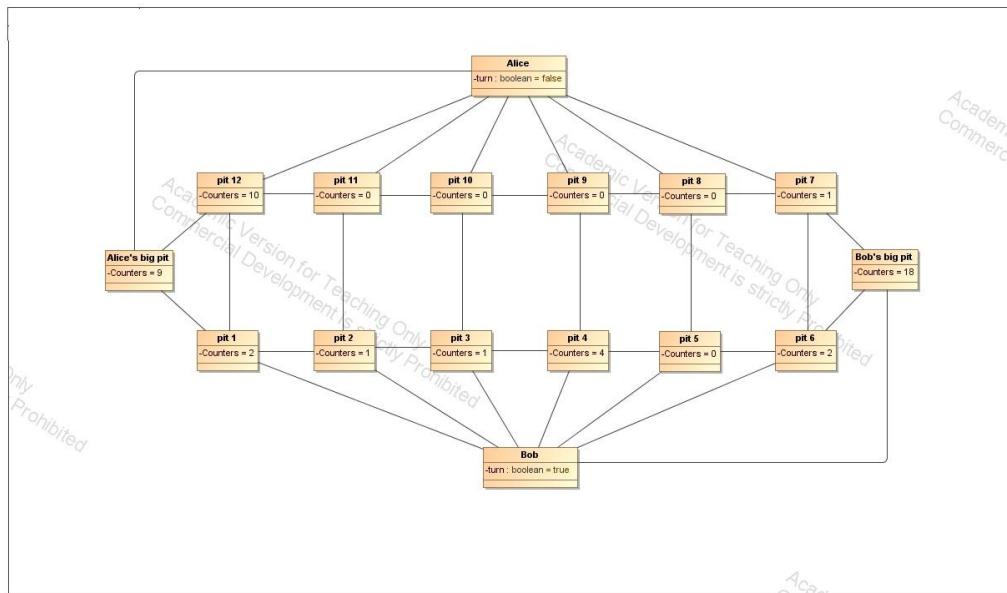
22.

Title: Alice makes a move from pit 11

Preconditions: the pits on the board contain the following amount of counters: pit 1 – 1, pit 2 – 0, pit 3 – 0, pit 4 – 3, pit 5 – 1, pit 6 – 1, pit 7 – 0, pit 8 – 0, pit 9 – 0, pit 10 – 0, pit 11 – 10, pit 12 – 9. There are 18 counters in Bob's big pit and 5 counters in Alice's big pit.



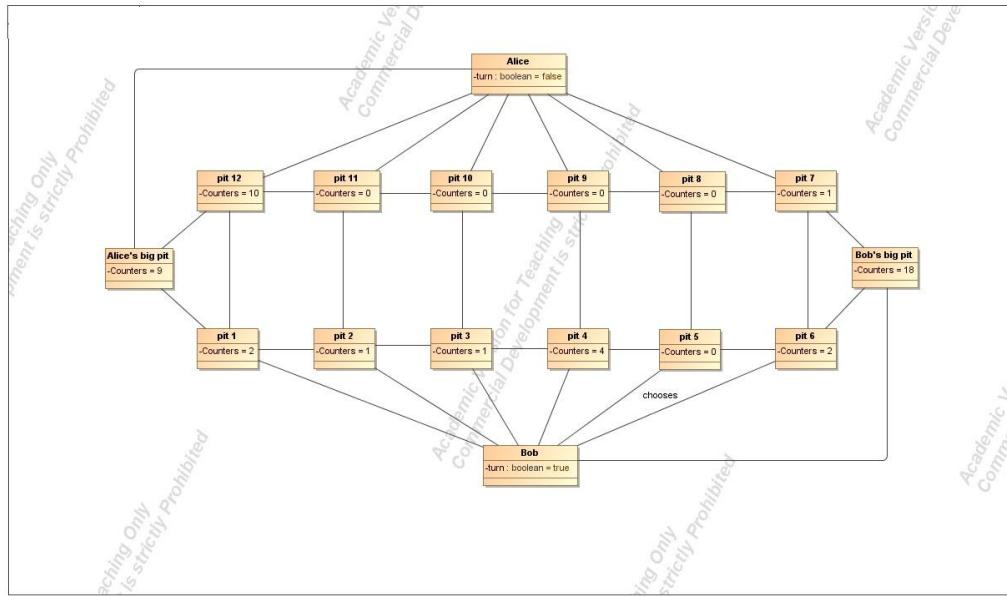
Postconditions: the pits on the board contain the following amount of counters: pit 1 – 2, pit 2 – 1, pit 3 – 1, pit 4 – 4, pit 5 – 0, pit 6 – 2, pit 7 – 1, pit 8 – 0, pit 9 – 0, pit 10 – 0, pit 11 – 0, pit 12 – 10. There are 18 counters in Bob's big pit and 9 counters in Alice's big pit.



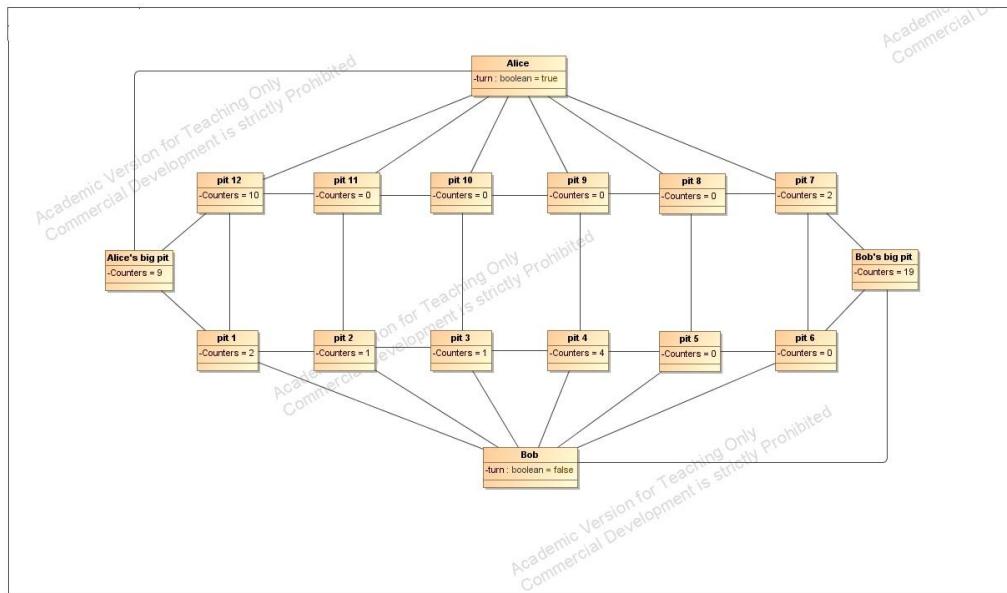
23.

Title: Bob makes a move from pit 6

Preconditions: the pits on the board contain the following amount of counters: pit 1 – 2, pit 2 – 1, pit 3 – 1, pit 4 – 4, pit 5 – 0, pit 6 – 2, pit 7 – 1, pit 8 – 0, pit 9 – 0, pit 10 – 0, pit 11 – 0, pit 12 – 10. There are 18 counters in Bob's big pit and 9 counters in Alice's big pit.



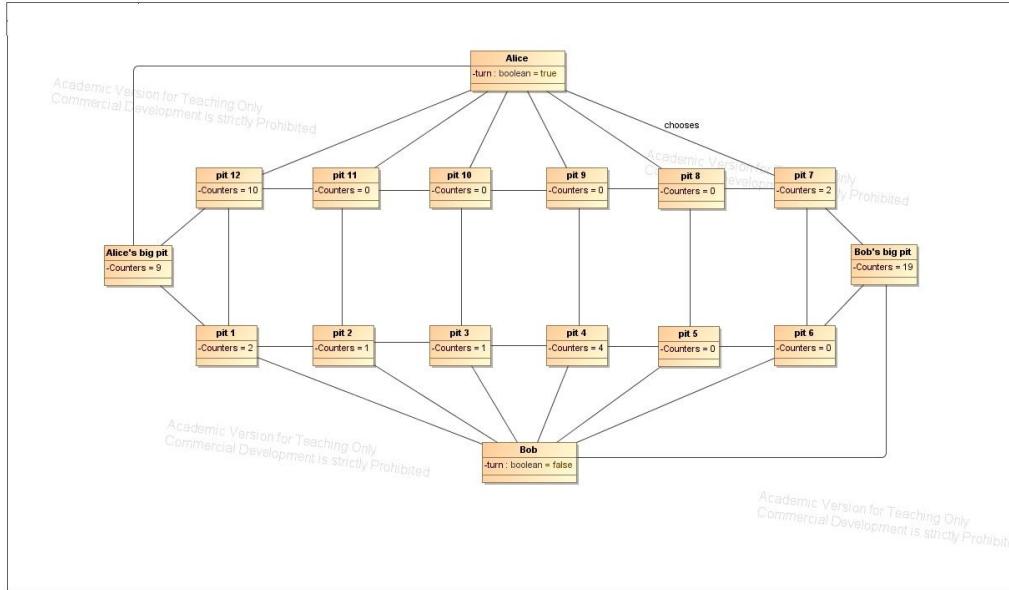
Postconditions: the pits on the board contain the following amount of counters: pit 1 – 2, pit 2 – 1, pit 3 – 1, pit 4 – 4, pit 5 – 0, pit 6 – 0, pit 7 – 2, pit 8 – 0, pit 9 – 0, pit 10 – 0, pit 11 – 0, pit 12 – 10. There are 19 counters in Bob's big pit and 9 counters in Alice's big pit.



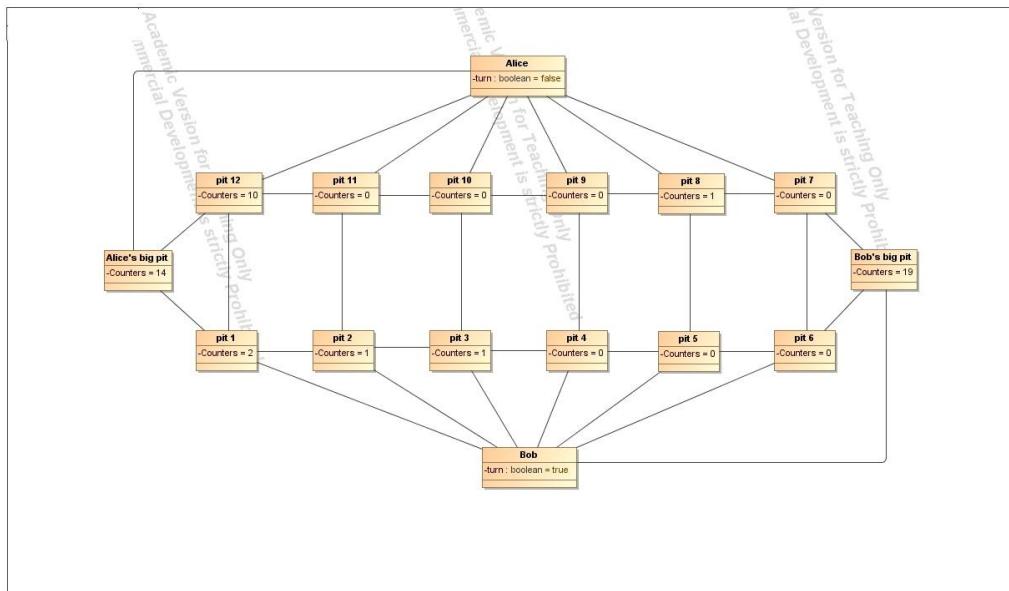
24.

Title: Alice makes a move from pit 7

Preconditions: the pits on the board contain the following amount of counters: pit 1 – 2, pit 2 – 1, pit 3 – 1, pit 4 – 4, pit 5 – 0, pit 6 – 0, pit 7 – 2, pit 8 – 0, pit 9 – 0, pit 10 – 0, pit 11 – 0, pit 12 – 10. There are 19 counters in Bob's big pit and 9 counters in Alice's big pit.



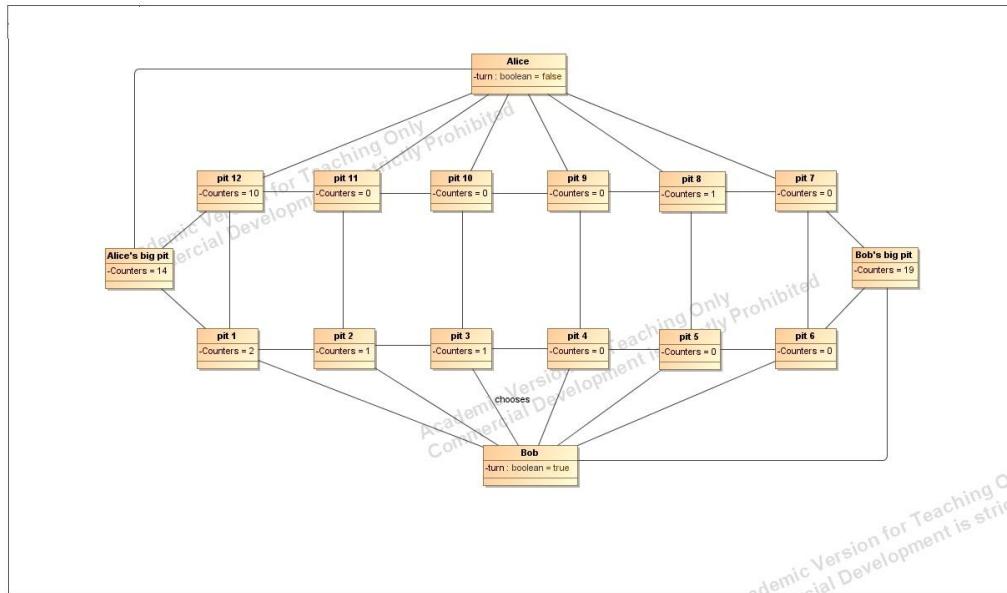
Postconditions: the pits on the board contain the following amount of counters: pit 1 – 2, pit 2 – 1, pit 3 – 1, pit 4 – 0, pit 5 – 0, pit 6 – 0, pit 7 – 0, pit 8 – 1, pit 9 – 0, pit 10 – 0, pit 11 – 0, pit 12 – 10. There are 19 counters in Bob's big pit and 14 counters in Alice's big pit.



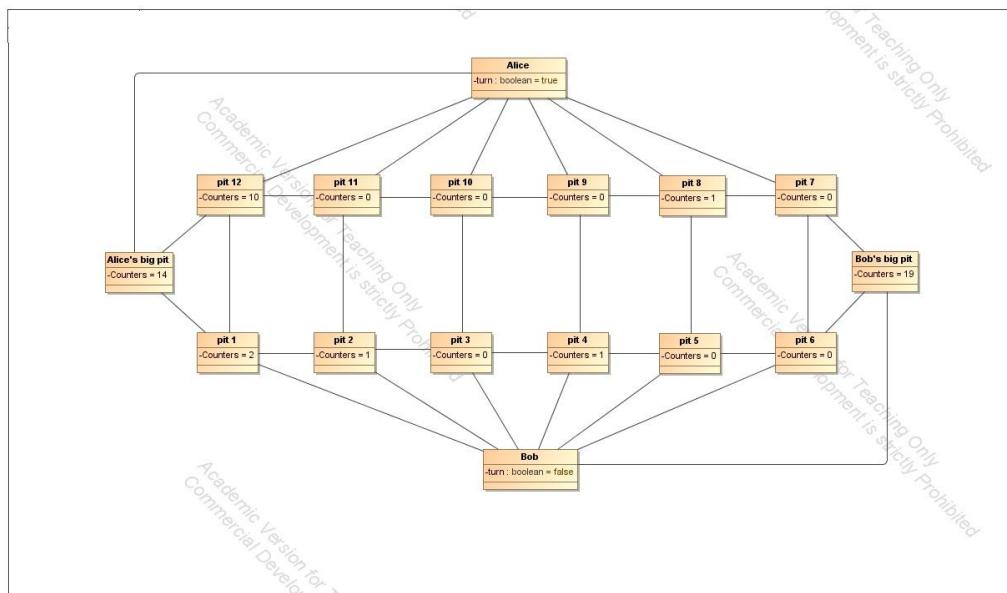
25.

Title: Bob makes a move from pit 3

Preconditions: the pits on the board contain the following amount of counters: pit 1 – 2, pit 2 – 1, pit 3 – 1, pit 4 – 0, pit 5 – 0, pit 6 – 0, pit 7 – 0, pit 8 – 1, pit 9 – 0, pit 10 – 0, pit 11 – 0, pit 12 – 10. There are 19 counters in Bob's big pit and 14 counters in Alice's big pit.



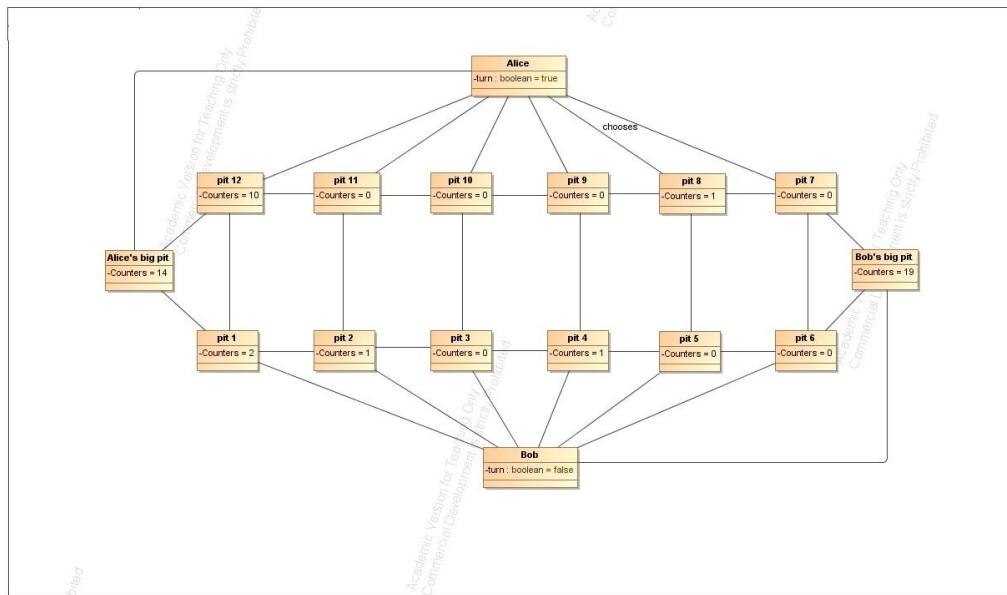
Postconditions: the pits on the board contain the following amount of counters: pit 1 – 2, pit 2 – 1, pit 3 – 0, pit 4 – 1, pit 5 – 0, pit 6 – 0, pit 7 – 0, pit 8 – 1, pit 9 – 0, pit 10 – 0, pit 11 – 0, pit 12 – 10. There are 19 counters in Bob's big pit and 14 counters in Alice's big pit.



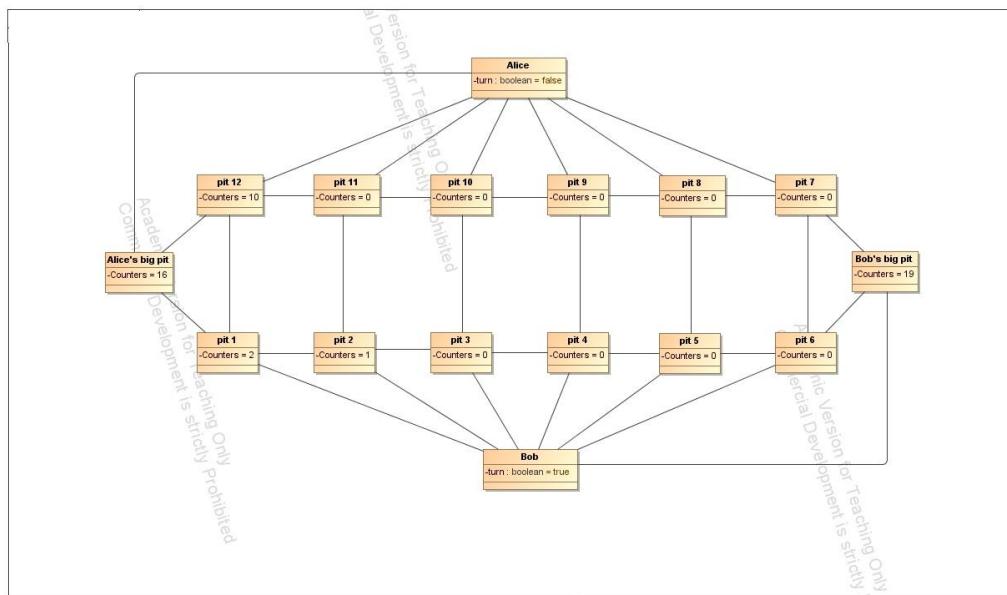
26.

Title: Alice makes a move from pit 8

Preconditions: the pits on the board contain the following amount of counters: pit 1 – 2, pit 2 – 1, pit 3 – 0, pit 4 – 1, pit 5 – 0, pit 6 – 0, pit 7 – 0, pit 8 – 1, pit 9 – 0, pit 10 – 0, pit 11 – 0, pit 12 – 10. There are 19 counters in Bob's big pit and 14 counters in Alice's big pit.



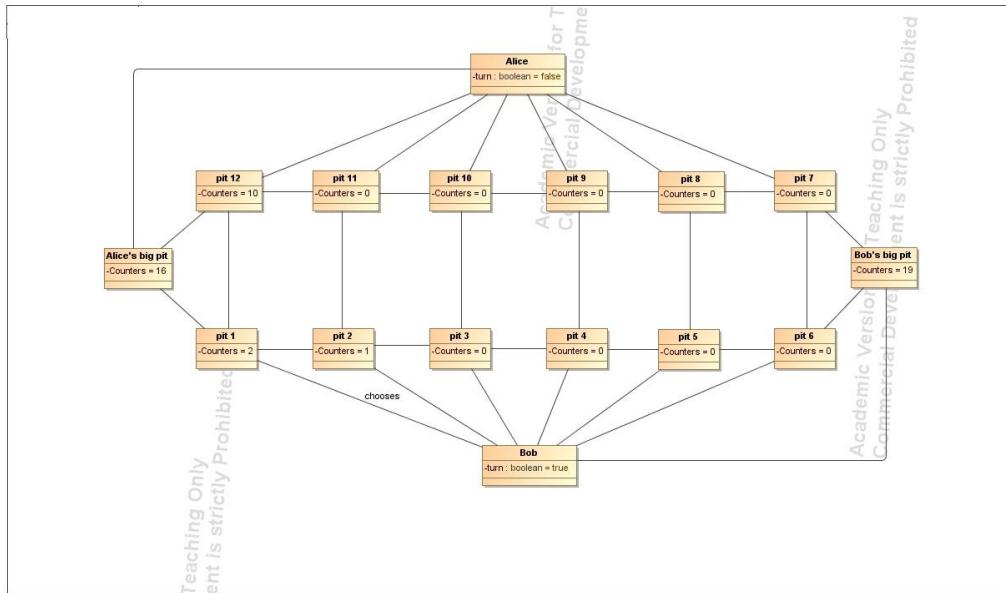
Postconditions: the pits on the board contain the following amount of counters: pit 1 – 2, pit 2 – 1, pit 3 – 0, pit 4 – 0, pit 5 – 0, pit 6 – 0, pit 7 – 0, pit 8 – 0, pit 9 – 0, pit 10 – 0, pit 11 – 0, pit 12 – 10. There are 19 counters in Bob's big pit and 16 counters in Alice's big pit.



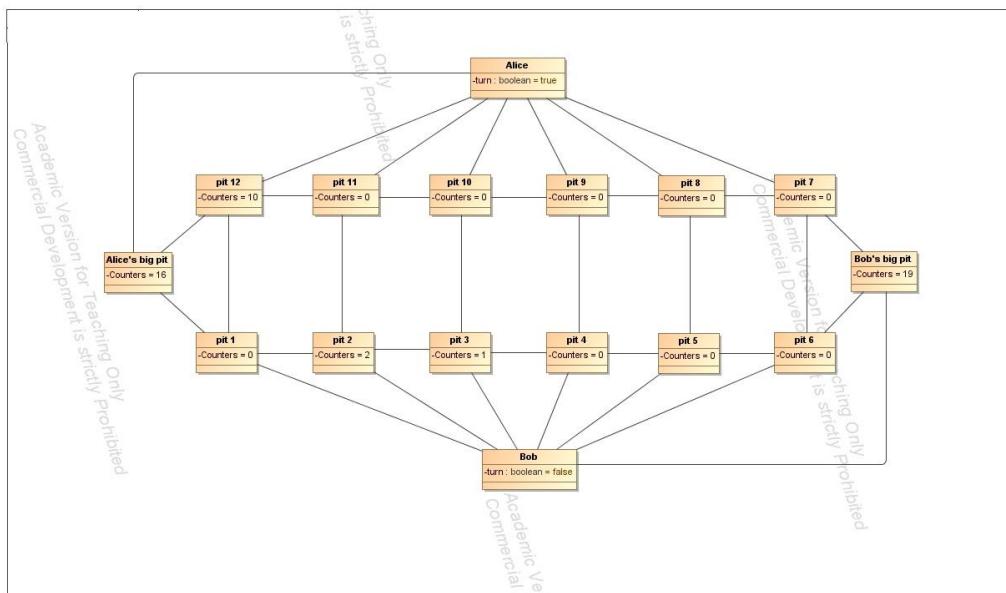
27.

Title: Bob makes a move from pit 1

Preconditions: the pits on the board contain the following amount of counters: pit 1 – 2, pit 2 – 1, pit 3 – 0, pit 4 – 0, pit 5 – 0, pit 6 – 0, pit 7 – 0, pit 8 – 0, pit 9 – 0, pit 10 – 0, pit 11 – 0, pit 12 – 10. There are 19 counters in Bob's big pit and 16 counters in Alice's big pit.



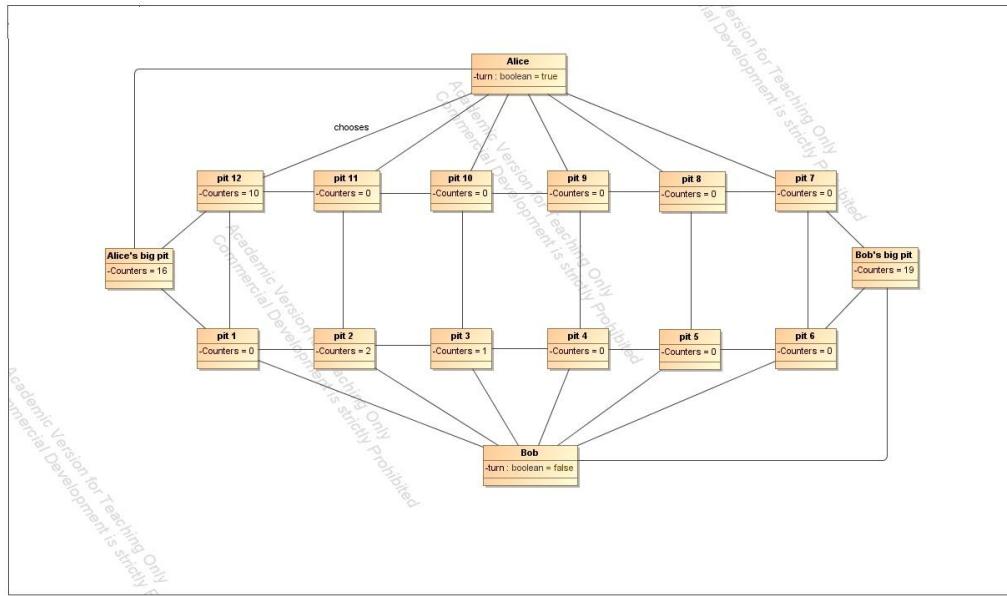
Postconditions: the pits on the board contain the following amount of counters: pit 1 – 0, pit 2 – 2, pit 3 – 1, pit 4 – 0, pit 5 – 0, pit 6 – 0, pit 7 – 0, pit 8 – 0, pit 9 – 0, pit 10 – 0, pit 11 – 0, pit 12 – 10. There are 19 counters in Bob's big pit and 16 counters in Alice's big pit.



28.

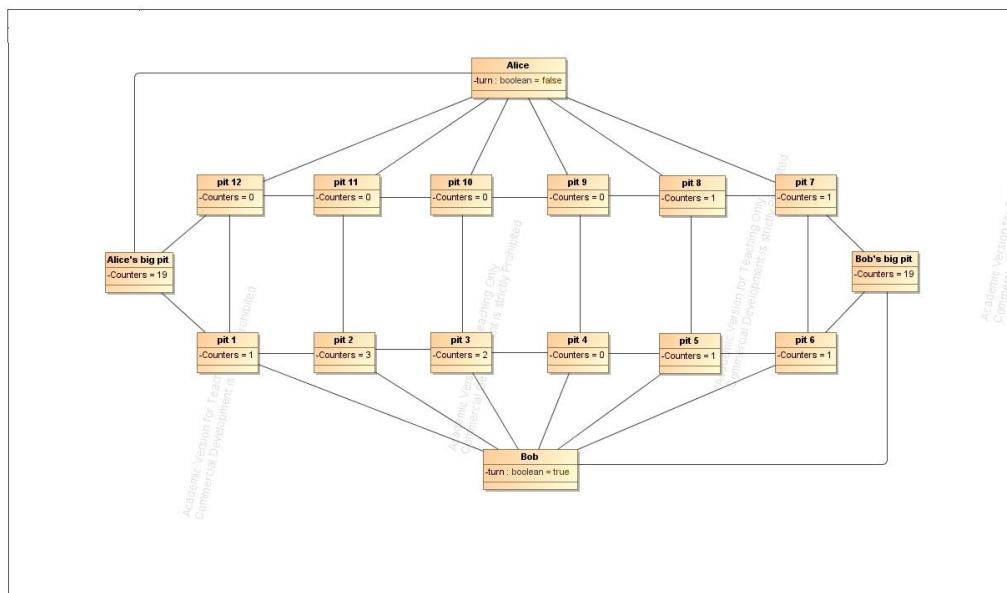
Title: Alice makes a move from pit 12

Preconditions: the pits on the board contain the following amount of counters: pit 1 – 0, pit 2 – 2, pit 3 – 1, pit 4 – 0, pit 5 – 0, pit 6 – 0, pit 7 – 0, pit 8 – 0, pit 9 – 0, pit 10 – 0, pit 11 – 0, pit 12 – 10. There are 19 counters in Bob's big pit and 16 counters in Alice's big pit.



Postconditions: the pits on the board contain the following amount of counters: pit 1 – 1, pit 2 – 3, pit 3 – 2, pit 4 – 0, pit 5 – 1, pit 6 – 1, pit 7 – 1, pit 8 – 1, pit 9 – 0, pit 10 – 0, pit 11 – 0, pit 12 – 0. There are 19 counters in Bob's big pit and 19 counters in Alice's big pit.

There are 19 counters in Bob's big pit and 19 counters in Alice's big pit.

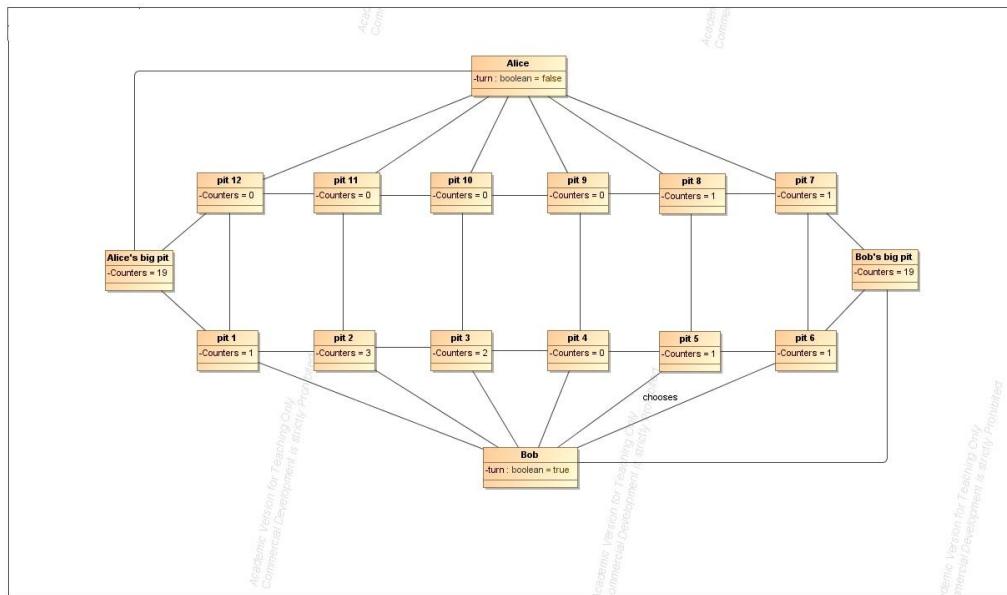


29.

Title: Bob makes a move from pit 6

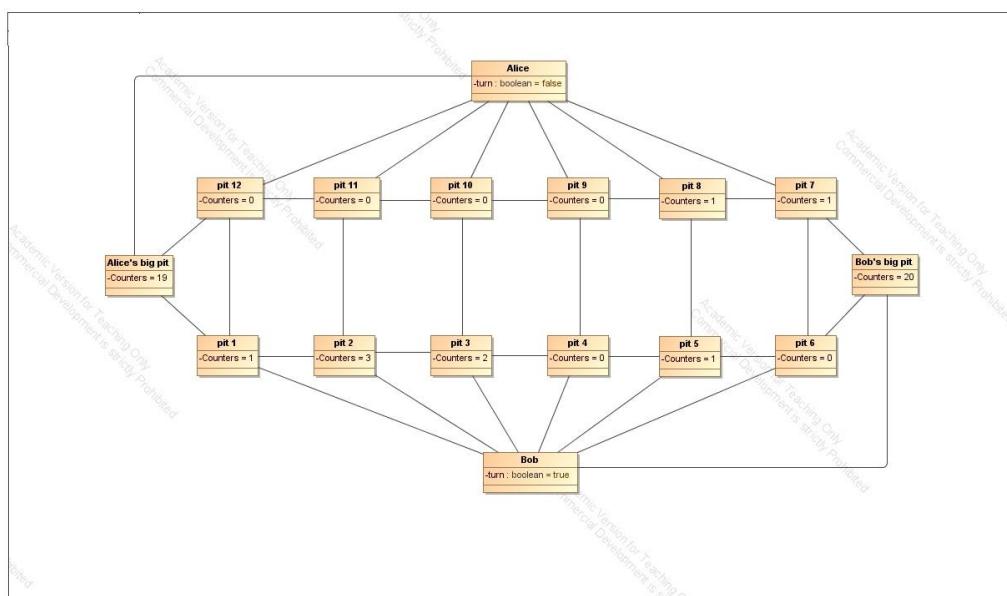
Preconditions: the pits on the board contain the following amount of counters: pit 1 – 1, pit 2 – 3, pit 3 – 2, pit 4 – 0, pit 5 – 1, pit 6 – 1, pit 7 – 1, pit 8 – 1, pit 9 – 0, pit 10 – 0, pit 11 – 0, pit 12 – 0.

There are 19 counters in Bob's big pit and 19 counters in Alice's big pit.



Postconditions: the pits on the board contain the following amount of counters: pit 1 – 1, pit 2 – 3, pit 3 – 2, pit 4 – 0, pit 5 – 1, pit 6 – 0, pit 7 – 1, pit 8 – 1, pit 9 – 0, pit 10 – 0, pit 11 – 0, pit 12 – 0.

There are 20 counters in Bob's big pit and 19 counters in Alice's big pit. Bob gets an additional move.

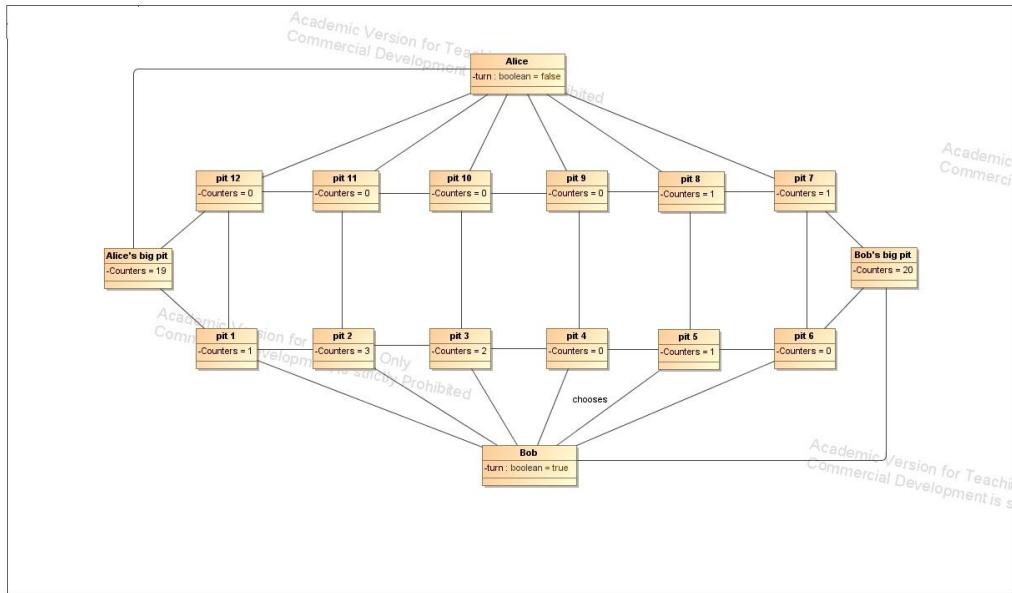


30.

Title: Bob makes a move from pit 5

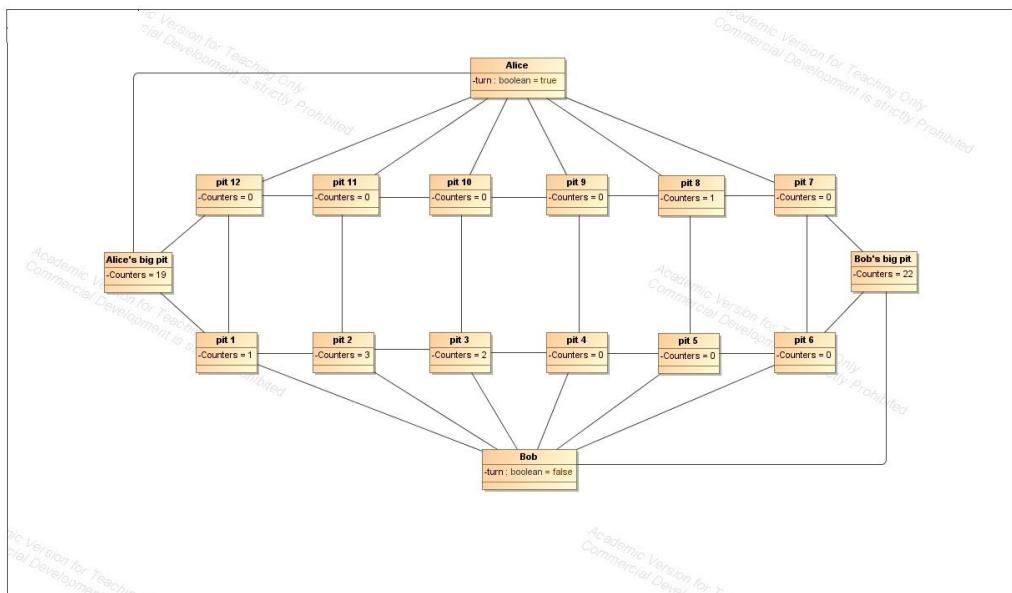
Preconditions: the pits on the board contain the following amount of counters: pit 1 – 1, pit 2 – 3, pit 3 – 2, pit 4 – 0, pit 5 – 1, pit 6 – 0, pit 7 – 1, pit 8 – 1, pit 9 – 0, pit 10 – 0, pit 11 – 0, pit 12 – 0.

There are 20 counters in Bob's big pit and 19 counters in Alice's big pit.



Postconditions: the pits on the board contain the following amount of counters: pit 1 – 1, pit 2 – 3, pit 3 – 2, pit 4 – 0, pit 5 – 0, pit 6 – 0, pit 7 – 0, pit 8 – 1, pit 9 – 0, pit 10 – 0, pit 11 – 0, pit 12 – 0.

There are 22 counters in Bob's big pit and 19 counters in Alice's big pit.

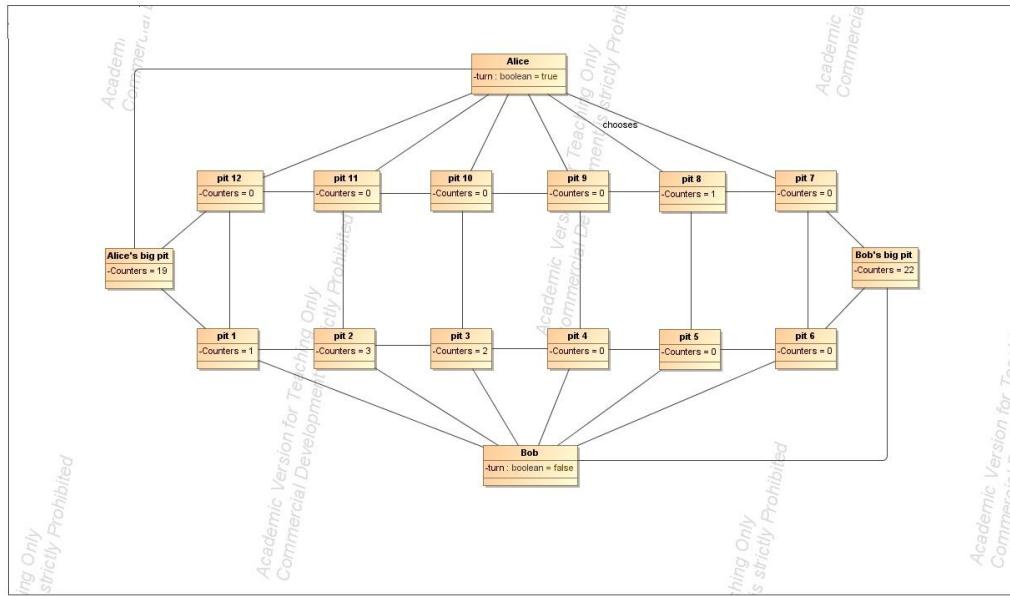


31.

Title: Alice makes a move from pit 8

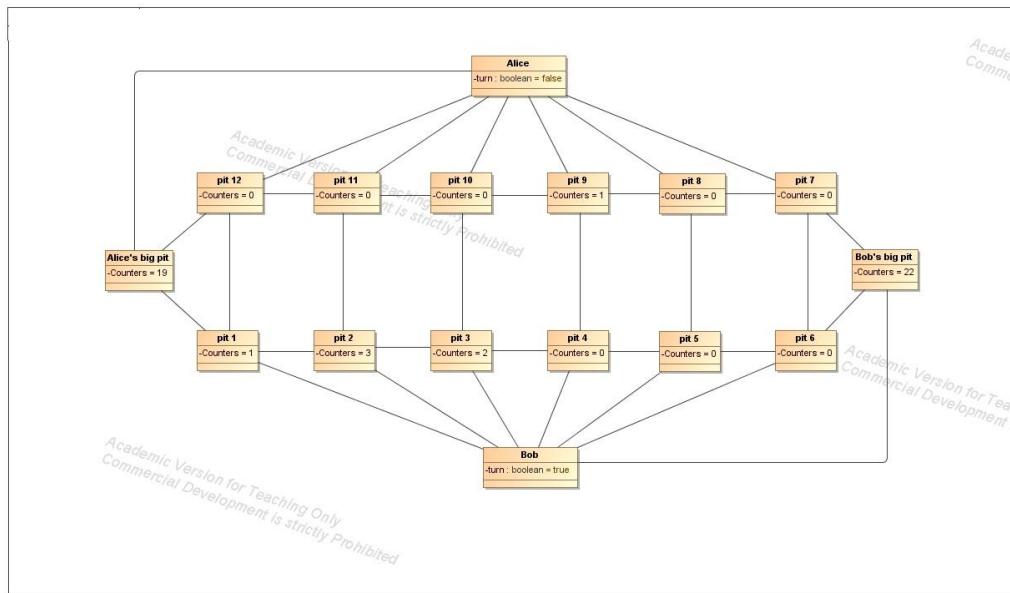
Preconditions: the pits on the board contain the following amount of counters: pit 1 – 1, pit 2 – 3, pit 3 – 2, pit 4 – 0, pit 5 – 0, pit 6 – 0, pit 7 – 0, pit 8 – 1, pit 9 – 0, pit 10 – 0, pit 11 – 0, pit 12 – 0.

There are 22 counters in Bob's big pit and 19 counters in Alice's big pit.



Postconditions: the pits on the board contain the following amount of counters: pit 1 – 1, pit 2 – 3, pit 3 – 2, pit 4 – 0, pit 5 – 0, pit 6 – 0, pit 7 – 0, pit 8 – 0, pit 9 – 1, pit 10 – 0, pit 11 – 0, pit 12 – 0.

There are 22 counters in Bob's big pit and 19 counters in Alice's big pit.

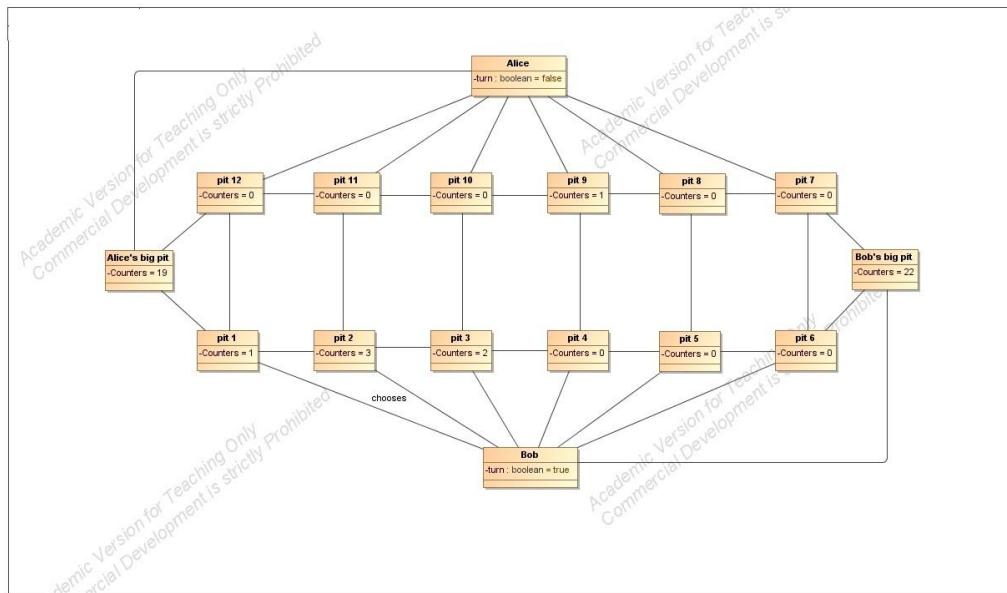


32.

Title: Bob makes a move from pit 1

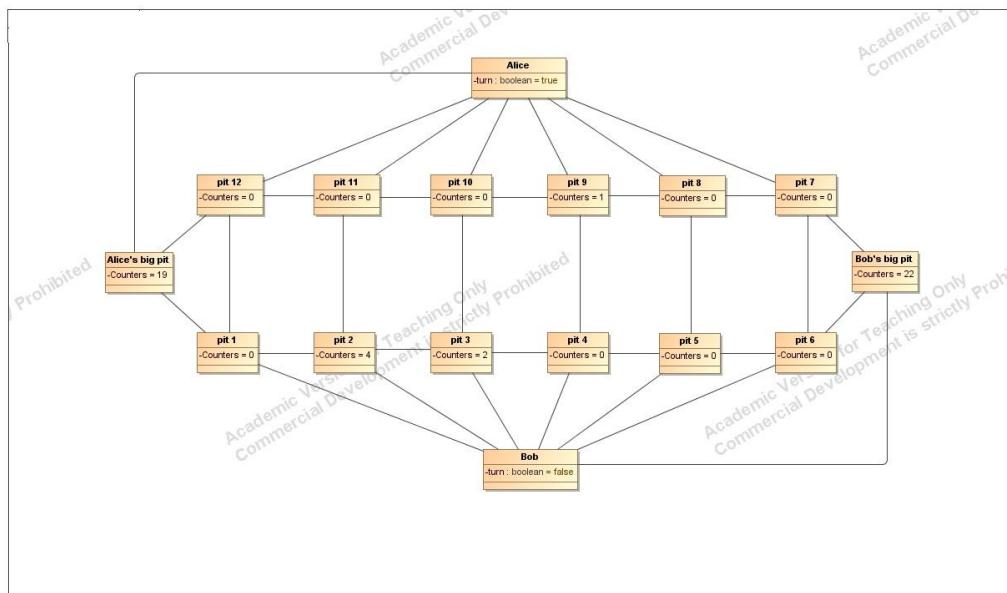
Preconditions: the pits on the board contain the following amount of counters: pit 1 – 1, pit 2 – 3, pit 3 – 2, pit 4 – 0, pit 5 – 0, pit 6 – 0, pit 7 – 0, pit 8 – 0, pit 9 – 1, pit 10 – 0, pit 11 – 0, pit 12 – 0.

There are 22 counters in Bob's big pit and 19 counters in Alice's big pit.



Postconditions: the pits on the board contain the following amount of counters: pit 1 – 0, pit 2 – 4, pit 3 – 2, pit 4 – 0, pit 5 – 0, pit 6 – 0, pit 7 – 0, pit 8 – 0, pit 9 – 1, pit 10 – 0, pit 11 – 0, pit 12 – 0.

There are 22 counters in Bob's big pit and 19 counters in Alice's big pit.

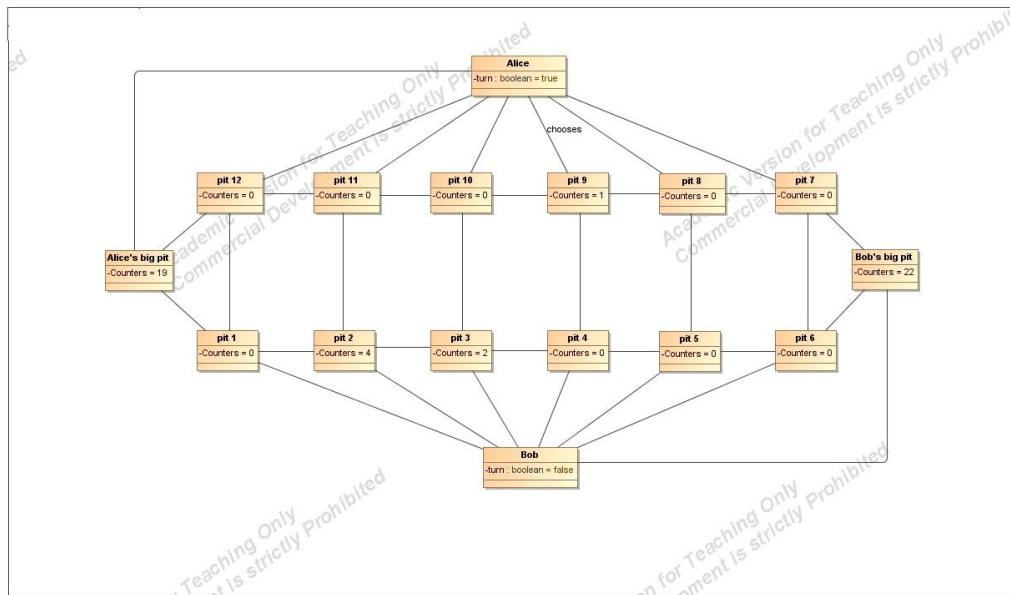


33.

Title: Alice makes a move from pit 9

Preconditions: the pits on the board contain the following amount of counters: pit 1 – 0, pit 2 – 4, pit 3 – 2, pit 4 – 0, pit 5 – 0, pit 6 – 0, pit 7 – 0, pit 8 – 0, pit 9 – 1, pit 10 – 0, pit 11 – 0, pit 12 – 0.

There are 22 counters in Bob's big pit and 19 counters in Alice's big pit.



Postconditions: the pits on the board contain the following amount of counters: pit 1 – 0, pit 2 – 0, pit 3 – 0, pit 4 – 0, pit 5 – 0, pit 6 – 0, pit 7 – 0, pit 8 – 0, pit 9 – 0, pit 10 – 0, pit 11 – 0, pit 12 – 0.

There are 22 counters in Bob's big pit and 22 counters in Alice's big pit. 4 remained counters will be added to Bob's big pit. Bob has won the game with 26 counters against Alice's 22 counters.

