Which of the four (select 0 to 4 choices) operations are usually executed in an MCTS iteration according to Sutton & Barto?

☑ a. Backup ✓ Yes, an MCTS iteration consists of Selection, Expansion, Simulation, and Backup ☑ b. Selection Yes, an MCTS iteration consists of Selection, Expansion, Simulation, and Backup

✓ c. Expansion ✓ Yes, an MCTS iteration consists of Selection, Expansion, Simulation, and Backup ✓ d. Simulation ✓ Yes, an MCTS iteration consists of Selection, Expansion, Simulation, and Backup

Your answer is correct.

Selection, Expansion, Simulation,

Backup

**Previous activity** 

**◄** Quiz 6

The correct answers are:

Question 9

Question 10

Select one:

MCTS generates a search tree where all tree branches have equal depth / the same horizon / same number of time steps

True False

Yes, MCTS explores "promising" actions more resulting in a search tree where some branches are deeper The correct answer is 'False'.

**Aalto University** 

Binh Nguyen (Log out)

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Quiz 8 ►

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Correct

Correct

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