Intractability

Back to Week 6



2/3 points earned (66%)

Quiz passed!



0/1 points

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1.

(seed = 943349)

Which of the following problems are known to be search problem? Check all that apply.

MINIMUM-SPANNING-TREE: given a graph with positive edge weights, find a minimum spanning tree.

This should be selected

ILP: given a system of N variables and M linear equations, find a binary solution.

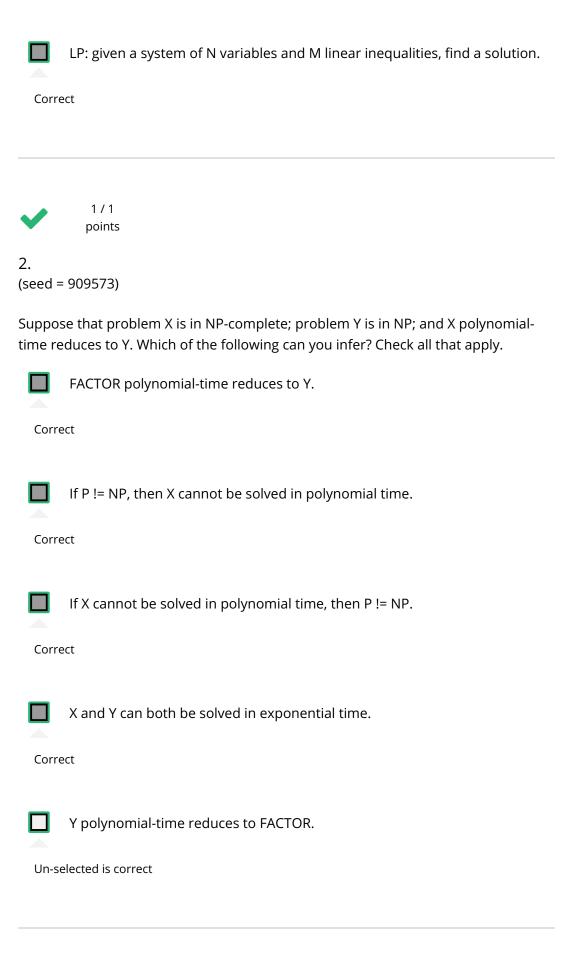
Correct

LONGEST-CYCLE: given a graph, find the longest simple cycle.

Un-selected is correct

EULER-PATH: given an undirected graph, find a simple path that visits every edge exactly once.

Correct



3. (seed = 484263)
In the context of computational complexity, what does the the acronym NP stands for?
nondeterministic polynomial time
Correct
nope
Un-selected is correct
Neyman-Pearson
Un-selected is correct
Neptunium
Un-selected is correct
not possible
Un-selected is correct