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★ Course / Midterm (8 hour time limit) / Midterm (8 hour time limit)

()

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Problem 1

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Quiz due Nov 23, 2022 07:30 +08

Problem 1-1

1/1 point (graded)

```
The following function is stochastic:
 def f(x):
     # x is an integer
     return int(x + random.choice([0.25, 0.5, 0.75]))
     True
  False
  Submit
            You have used 1 of 1 attempt
 ✓ Correct (1/1 point)
Problem 1-2
1/1 point (graded)
In Python, we can use random.seed(100) at the beginning of a program to generate the same
sequence of random numbers each time we run a program.
```

True

False

Submit

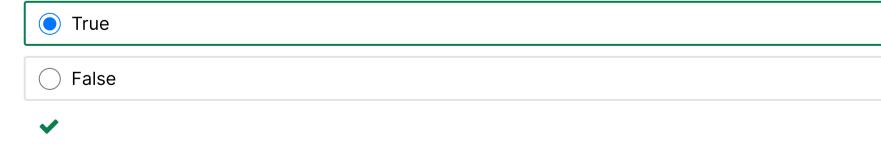
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✓ Correct (1/1 point)

Problem 1-3

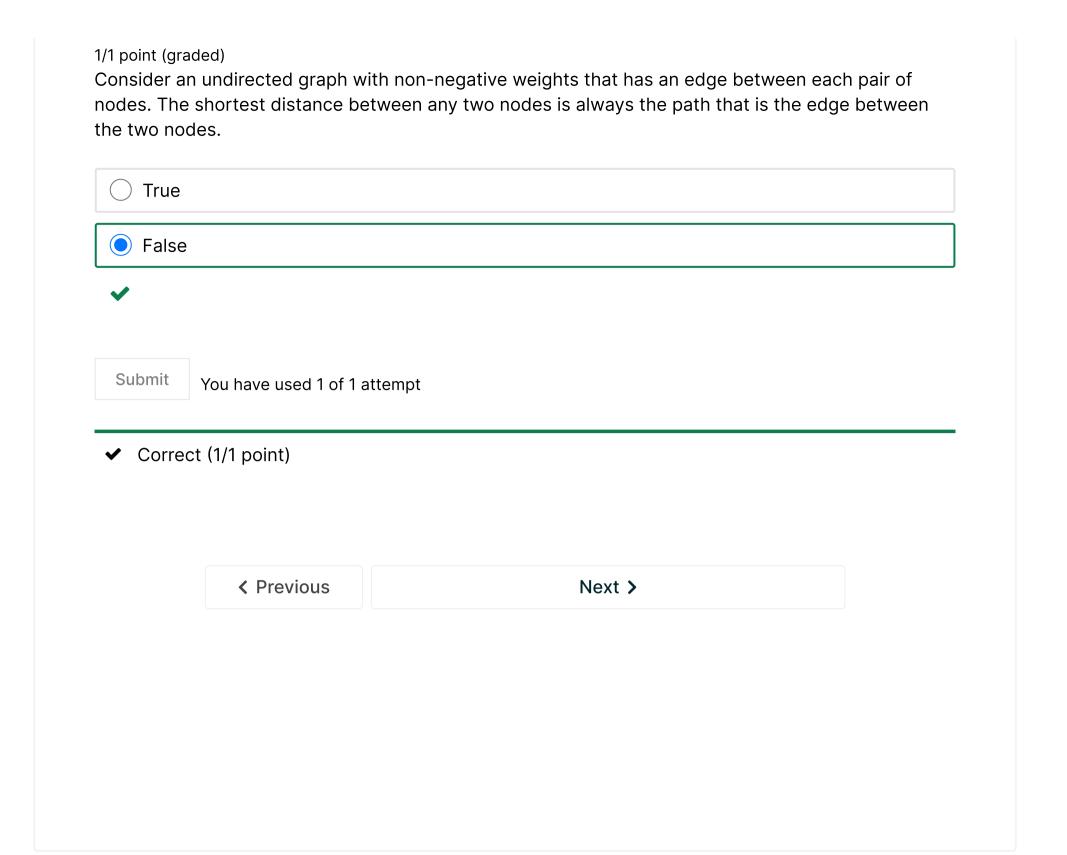
1/1 point (graded)

A brute force solution to the 0/1 knapsack problem will always produce an optimal solution.



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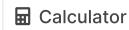
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