














[< Previous](#)
























[Next >](#)

CC: 4.3.7: Finding the Largest Connected Component

🔖 Bookmark this page

Comprehension Check due Jul 14, 2021 05:59 +06 Completed

Finding the Largest Connected Component: Question 1

1/1 point (graded)

For an iterator object `X`, what does `X.__next__()` do?

☒ Returns the next value in `X`, if it exists

☐ Returns the next iterator, if it exists

☐ Moves on to the next line of code

☐ This code contains an error.



Submit

You have used 1 of 2 attempts

Finding the Largest Connected Component: Question 2

1/1 point (graded)

For a given network `G`, what does `len(G)` return?

☐ The length of the longest path

☐ The size of the largest component

☒ The number of nodes

☐ The number of edges

☐ A list of nodes in each component



Submit

You have used 1 of 2 attempts

Finding the Largest Connected Component: Question 3

1/1 point (graded)

Graphs `G1` and `G2` are defined as in [Video 4.3.7](#).

Which graph contains the largest connected component?

☒ `G1`

☐ `G2`



Hide Notes

Submit

You have used 1 of 1 attempt

Finding the Largest Connected Component: Question 4

1/1 point (graded)

Graphs **G1** and **G2** are defined as in [Video 4.3.7](#).

Which graph contains the greatest fraction of its nodes in its largest connected component?



G1



G2



Submit

You have used 1 of 1 attempt

[< Previous](#)

[Next >](#)

© All Rights Reserved



edX

[About](#)

[Affiliates](#)

[edX for Business](#)

[Open edX](#)

[Careers](#)

[News](#)

Legal

[Terms of Service & Honor Code](#)

[Privacy Policy](#)

[Accessibility Policy](#)

[Trademark Policy](#)

[Sitemap](#)

Connect

[Blog](#)

[Contact Us](#)

[Help Center](#)

[Media Kit](#)

Hide Notes

[Donate](#)



© 2021 edX Inc. All rights reserved.
深圳市恒宇博科技有限公司 [粤ICP备17044299号-2](#)