

✔ Congratulations! You passed!

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higher

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1. Please review the IPv6 Compression rules before starting this quiz.

1 / 1 point

IPv6 Compression rules:

1. Continuous 0s are replaced with ::

Example 1- 0000:0000 becomes ::

Example 2- 0000:0000:0000 becomes ::

If there are 2 sets of continuous 0s in an IP address, only the first set gets replaced with ::. In the second set, one 0 should remain.

Example- 3a09:0000:0000:1c2g:d77f:0000:0000:12ce becomes 3a09::1c2g:d77f:0:0:12ce

2. Remove leading 0s.

Example 1- 0aed becomes aed

Example 2- 0046 becomes 46

Note: This assessment is best optimized for a laptop or desktop experience. If you're viewing this on a mobile device, please complete this assessment on a computer. We recommend completing this activity using the Chrome web browser.

Click the expand button (shown below) to show the full-screen of the activity.



IPv6 Compression Rules

Keyboard Usage

Using the two rules of IPv6 compression, edit each IPv6 address until it is in the shortest form possible, then click 'Check'. You have 10 addresses to compress.

Original IPv6 Address
00eb:0000:0000:0000:d8c1:0946:0272:0879
Compressed IPv6 Address

Question 1 of 10

Check < > ↺



✔ Correct
Correct!