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Courses » Parallel Algorithms

## Announcements Course Ask a Question Progress FAQ

## Unit 12 - Week 10: Interconnection Networks <br> Algorithms




Score: 0
Accepted Answers:
5
8) The number of edges in a 3-D CCC is $\qquad$ -.

1 point
No, the answer is incorrect.
Score: 0
Accepted Answers:
36
9) In an $r$-D butterfly, there is a path of length $\qquad$ from any node in the 0 -th column to $\mathbf{1}$ point any node in the $r$-th column.


No, the answer is incorrect.
Score: 0
Accepted Answers:
$r$
10)In a 1-dimensional Benes-network, each node in the leftmost column has two inputs and 1 point each node in the rightmost column has two outputs. Inputs $1,2,3$ and 4 have to be connected to outputs 2, 4, 1, and 3 respectively. The inputs and outputs are numbered 1,2, 3 and 4 top to bottom. Each node of the network is a $2 \times 2$ switch. If the top left switch is configured straight, then the nodes in the middle column are to be configured $\qquad$ , top to bottom, to connect the inputs to the corresponding outputs using edge-disjoint paths.straight and straightcross and crosscross and straightcross and cross
No, the answer is incorrect.
Score: 0
Accepted Answers:
cross and cross

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