

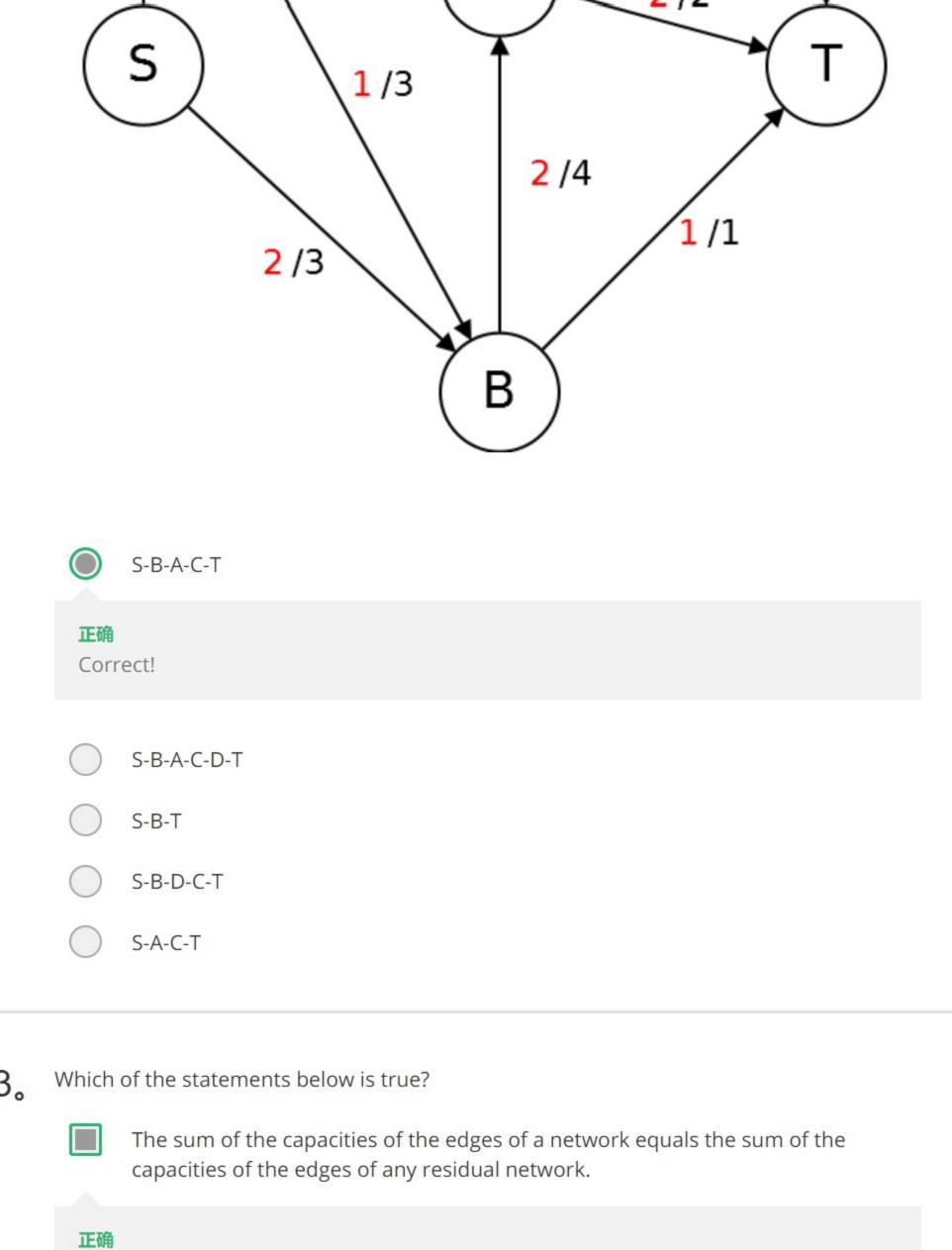
0/2 0/4 1/1 0/1 D 2/2

What is the augmenting path that will be used by the Edmonds-Karp algorithm to

increase the flow given below?

1/1分

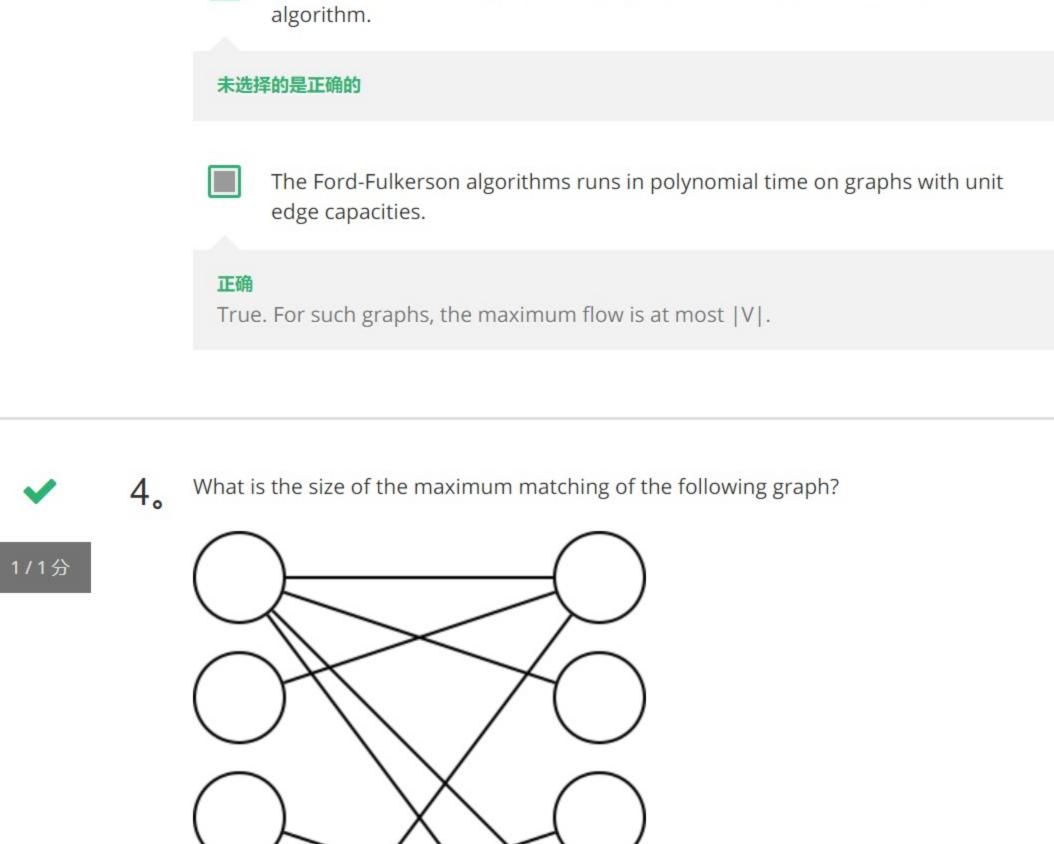
1/1分

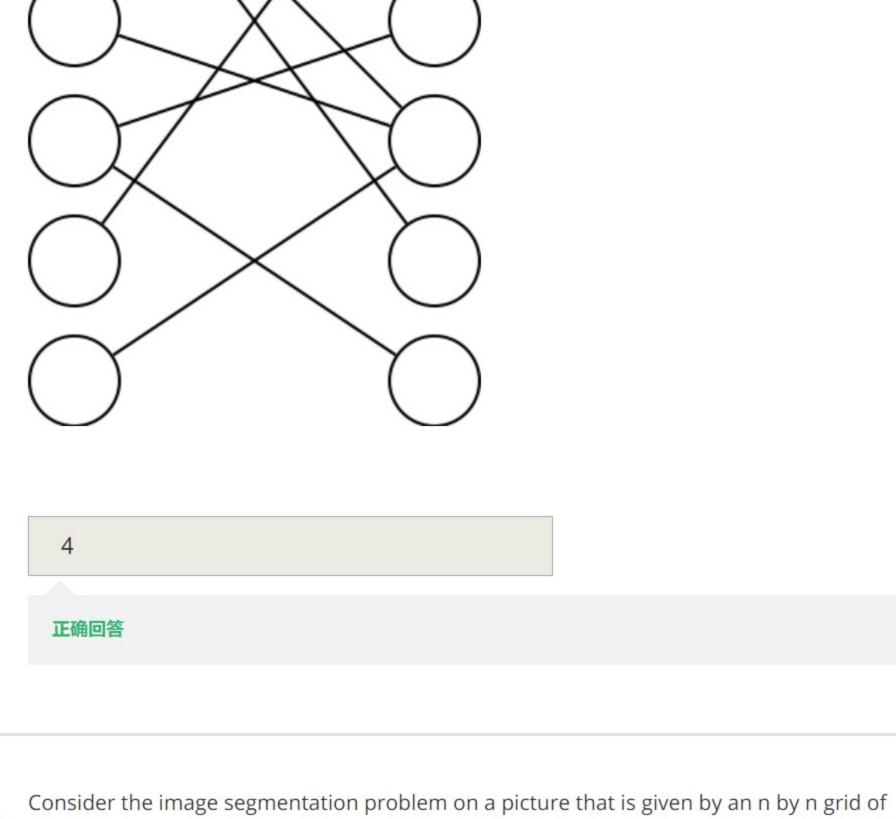


True. The reduced capacity of any edge of the network is exactly compensated for

The Edmonds-Karp algorithm is always faster than the Ford-Fulkerson

the by the capacity of the reverse edge.





0/1分 runtime is O(n^a) for some a. What is the best such a? 3 不正确回答 Incorrect. We need to compute maximum flow on a graph with V=O(n^2) and $E=O(n^2)$. The runtime of Edmonds-Karp is at worst $O(E^2 V) = O(n^6)$.

pixels. Suppose that separation penalties are imposed only for adjacent pairs of pixels. If

we use the Edmonds-Karp algorithm to solve this problem as described in class, the final