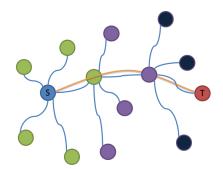
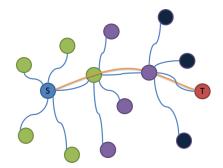
Zhenjia Xu

2016年12月25日

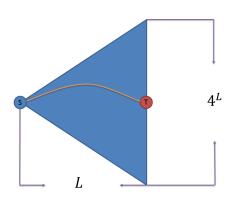
- an undirected graph
- degree is 5
- find path: S to T



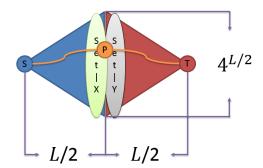
- an undirected graph
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- dist(S, T) = L



- an undirected graph
- degree is 5
- find path: S to T
- dist(S, T) = L
- O(4<sup>L</sup>)

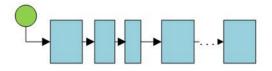


- an undirected graph
- degree is 5
- find path: S to T
- dist(S, T) = L
- $O(4^L)$
- Meet in the middle
- $O(4^{L/2})$



• Mo's algorithm

- Mo's algorithm
- Bolcked list



- Mo's algorithm
- Bolcked list
- Dinic(capacity is 1)

- Mo's algorithm
- Bolcked list
- Dinic(capacity is 1)
- ......