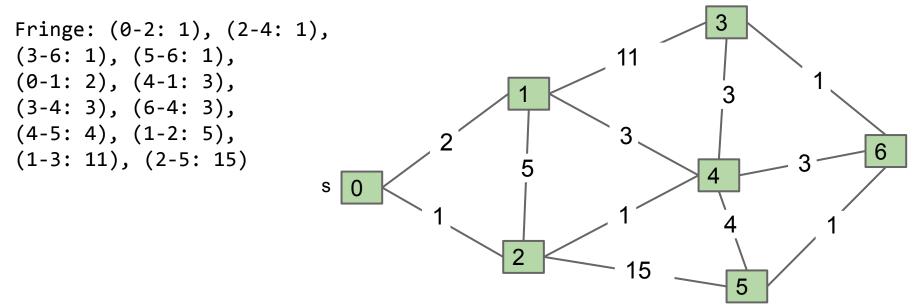
Insert all edges into PQ.

Repeat: Remove smallest weight edge. Add to MST if no cycle created.



WQU: []

MST: []



Insert all edges into PQ.

Repeat: Remove smallest weight edge. Add to MST if no cycle created.

```
Fringe: (2-4: 1),
(3-6: 1), (5-6: 1),
(0-1: 2), (4-1: 3),
(3-4: 3), (6-4: 3),
(4-5: 4), (1-2: 5),
(1-3: 11), (2-5: 15)
Removed edge: e=0-2
      Cycle? isConnected(0, 2)
```

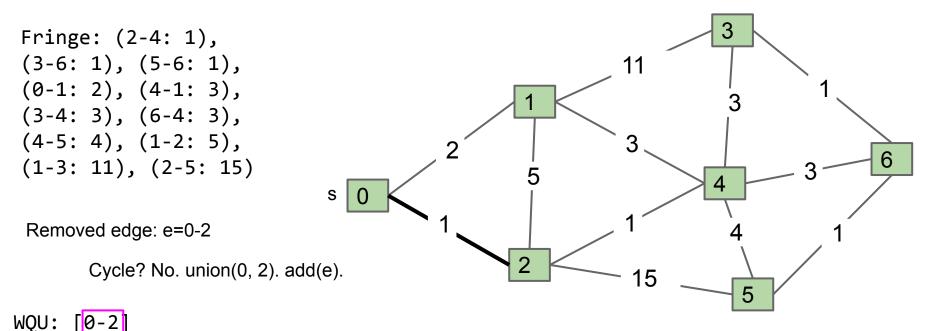
WQU: []

MST: []



Insert all edges into PQ.

Repeat: Remove smallest weight edge. Add to MST if no cycle created.

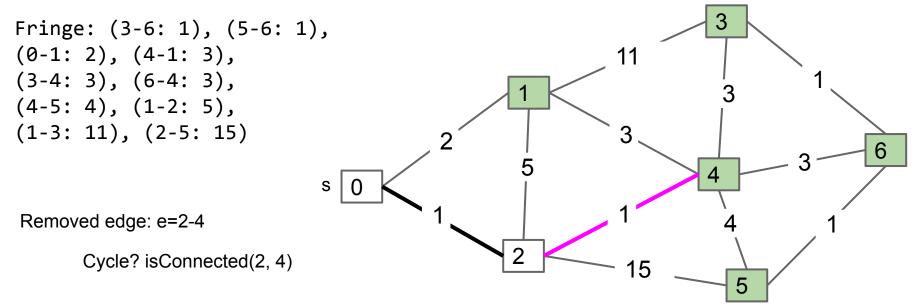


MST: [0-2



Insert all edges into PQ.

Repeat: Remove smallest weight edge. Add to MST if no cycle created.



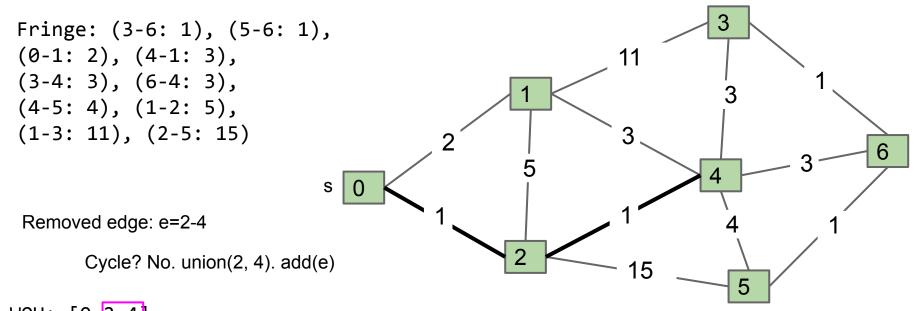
WQU: [0-2]

MST: [0-2]



Insert all edges into PQ.

Repeat: Remove smallest weight edge. Add to MST if no cycle created.



WQU: [0-2-4]

MST: [0-2, 2-4]



Insert all edges into PQ.

Repeat: Remove smallest weight edge. Add to MST if no cycle created.

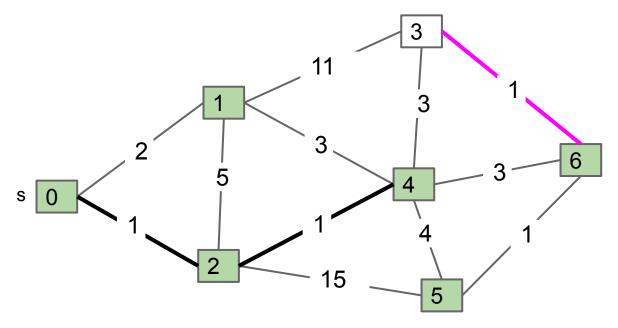
```
Fringe: (5-6: 1),
(0-1: 2), (4-1: 3),
(3-4: 3), (6-4: 3),
(4-5: 4), (1-2: 5),
(1-3: 11), (2-5: 15)
```

Removed edge: 3-6

Cycle? isConnected(3, 6)

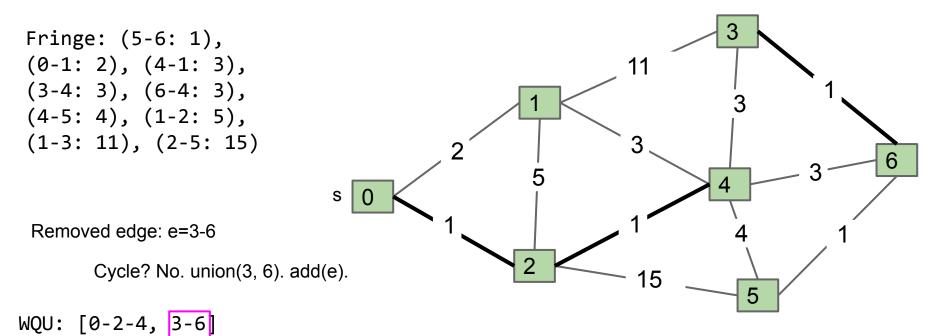
WQU: [0-2-4]

MST: [0-2, 2-4]



Insert all edges into PQ.

Repeat: Remove smallest weight edge. Add to MST if no cycle created.

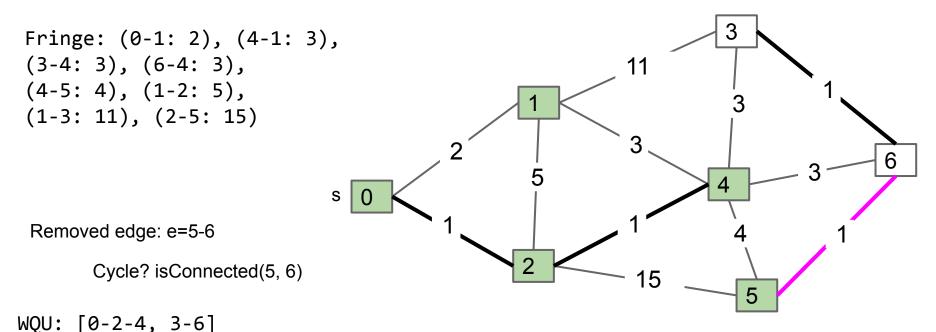


MST: [0-2, 2-4, 3-6]



Insert all edges into PQ.

Repeat: Remove smallest weight edge. Add to MST if no cycle created.

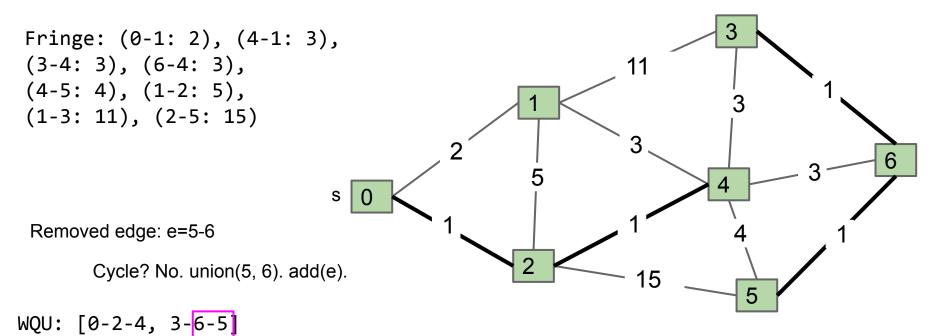


MST: [0-2, 2-4, 3-6]



Insert all edges into PQ.

Repeat: Remove smallest weight edge. Add to MST if no cycle created.





Insert all edges into PQ.

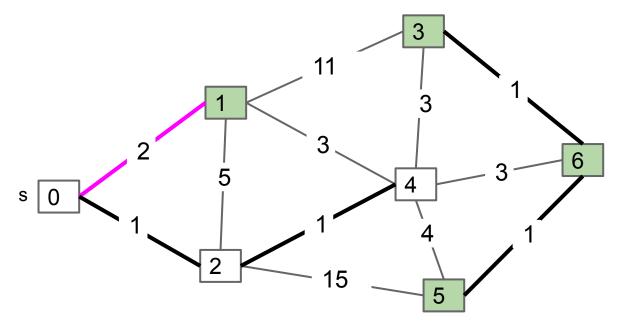
Repeat: Remove smallest weight edge. Add to MST if no cycle created.

Fringe: (4-1: 3), (3-4: 3), (6-4: 3), (4-5: 4), (1-2: 5), (1-3: 11), (2-5: 15)

Removed edge: e=0-1

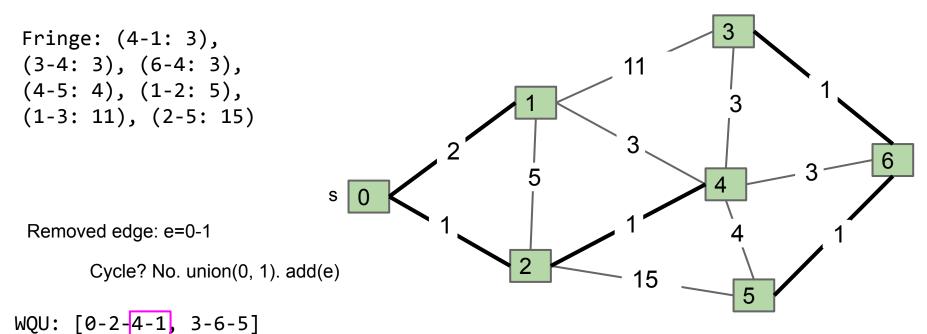
Cycle? isConnected(0, 1)

WQU: [0-2-4, 3-6-5]



Insert all edges into PQ.

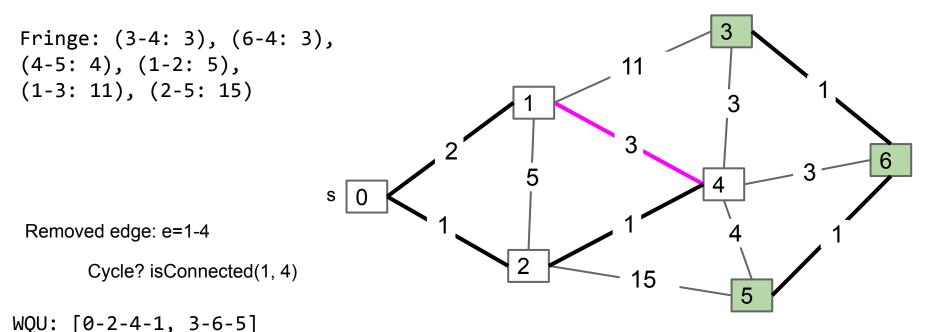
Repeat: Remove smallest weight edge. Add to MST if no cycle created.





Insert all edges into PQ.

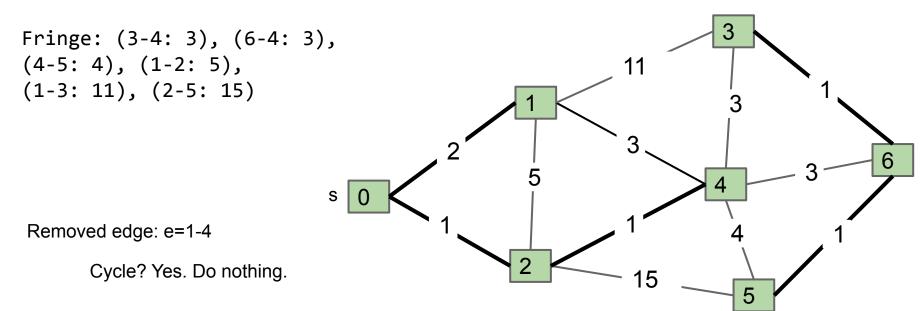
Repeat: Remove smallest weight edge. Add to MST if no cycle created.





Insert all edges into PQ.

Repeat: Remove smallest weight edge. Add to MST if no cycle created.



WQU: [0-2-4-1, 3-6-5]

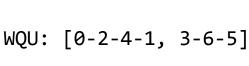


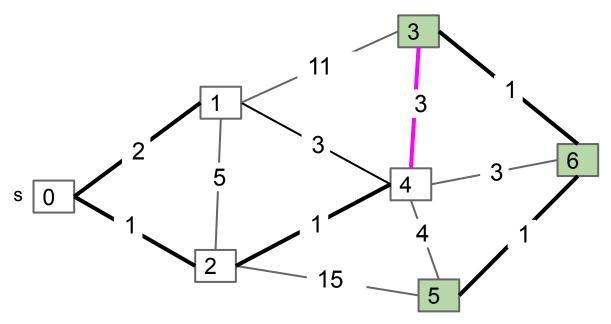
Insert all edges into PQ.

Repeat: Remove smallest weight edge. Add to MST if no cycle created.

Removed edge: e=3-4

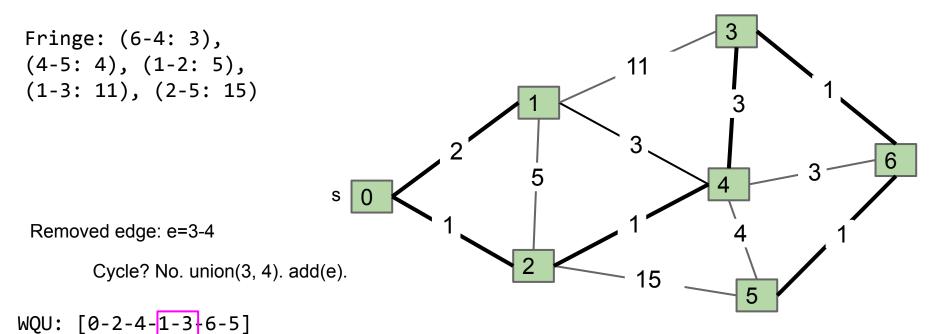
Cycle? isConnected(3, 4)





Insert all edges into PQ.

Repeat: Remove smallest weight edge. Add to MST if no cycle created.



MST: [0-2, 2-4, 3-6, 5-6, 0-1, 3-4]

V-1 edges, so done.

