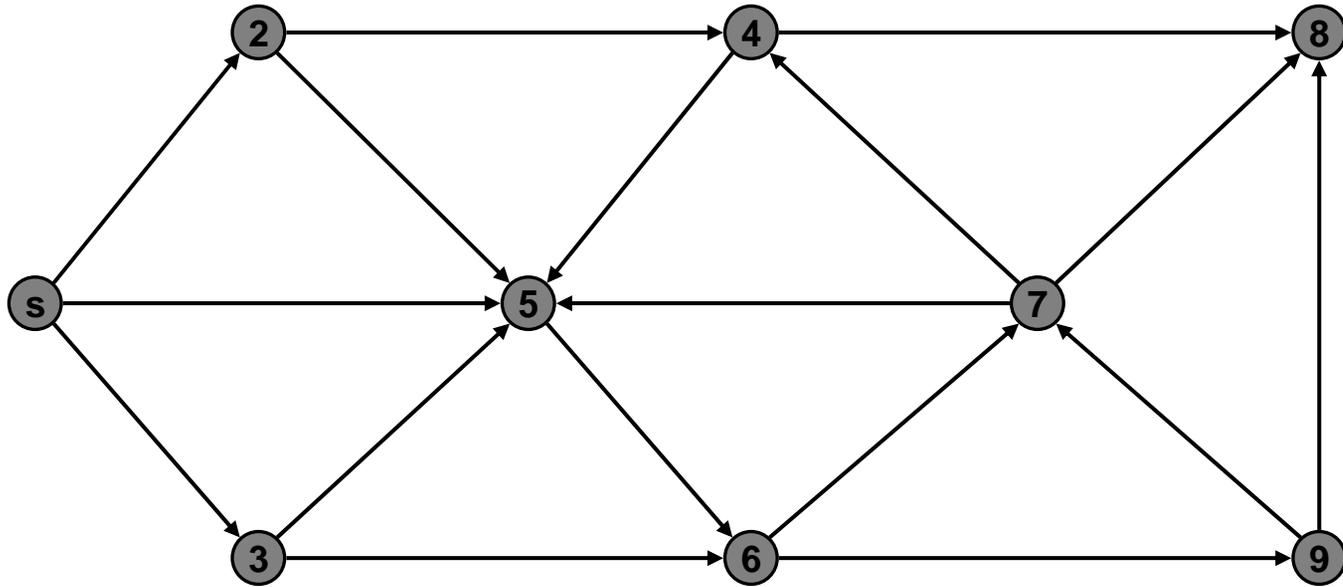
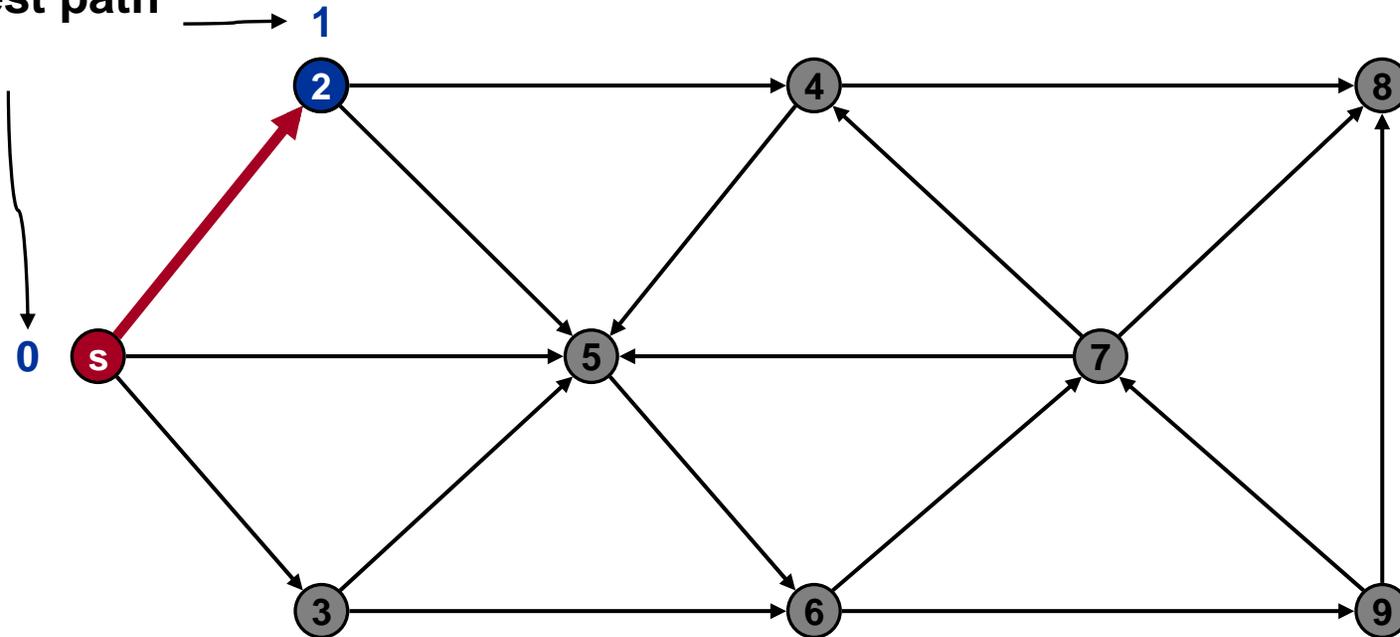


# Breadth First Search



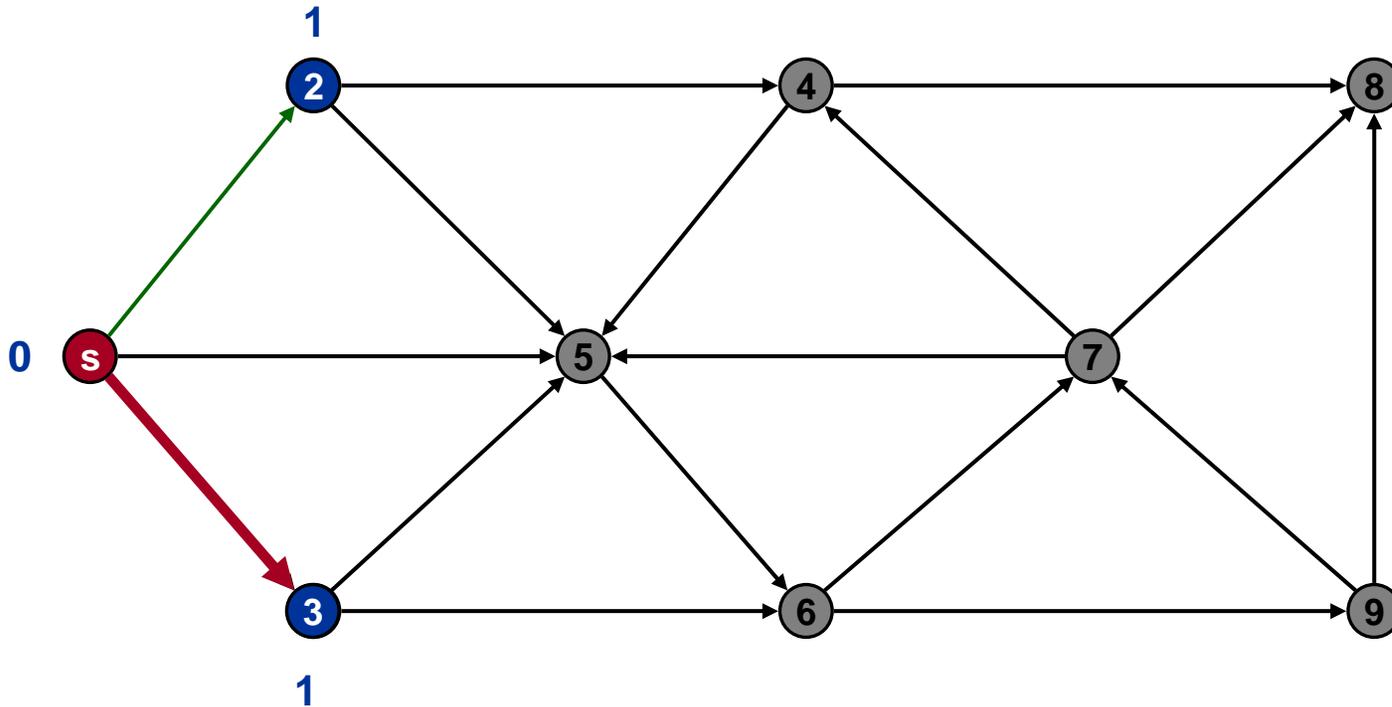
# Breadth First Search

Shortest path  
from s



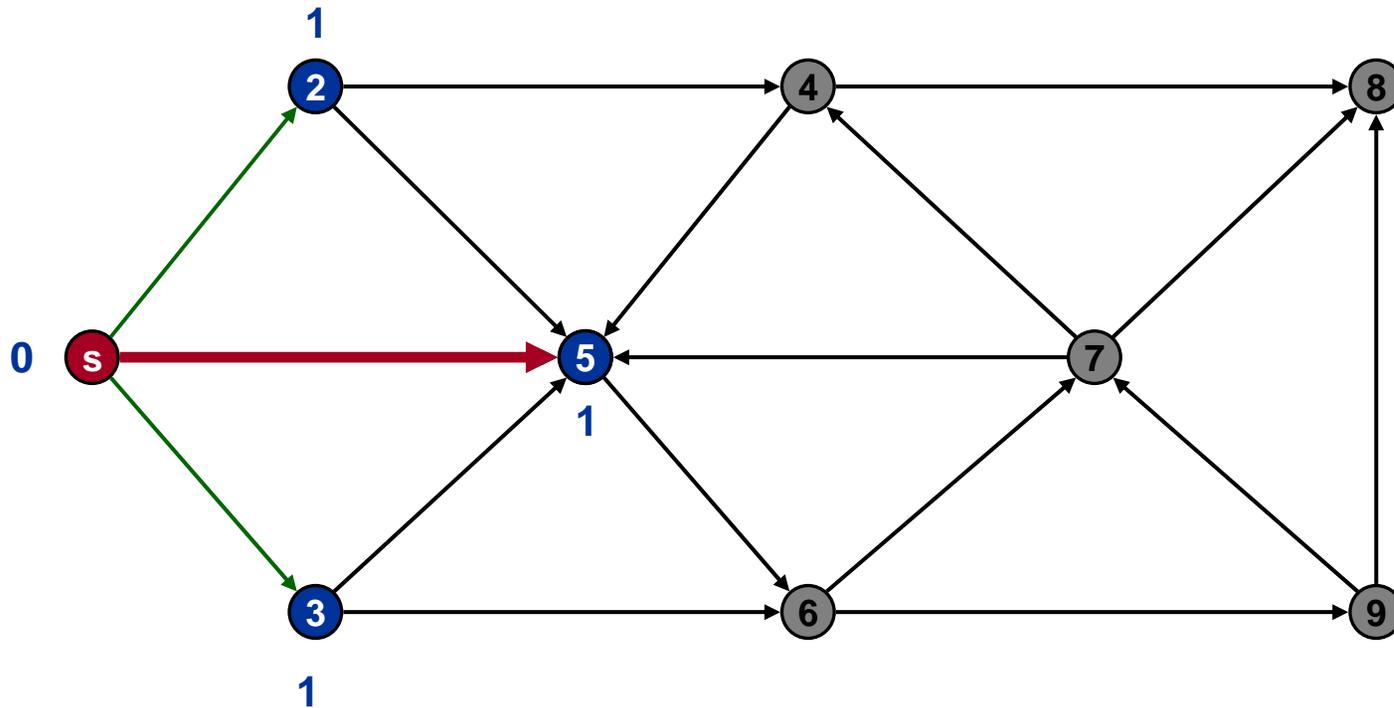
Queue: s

# Breadth First Search



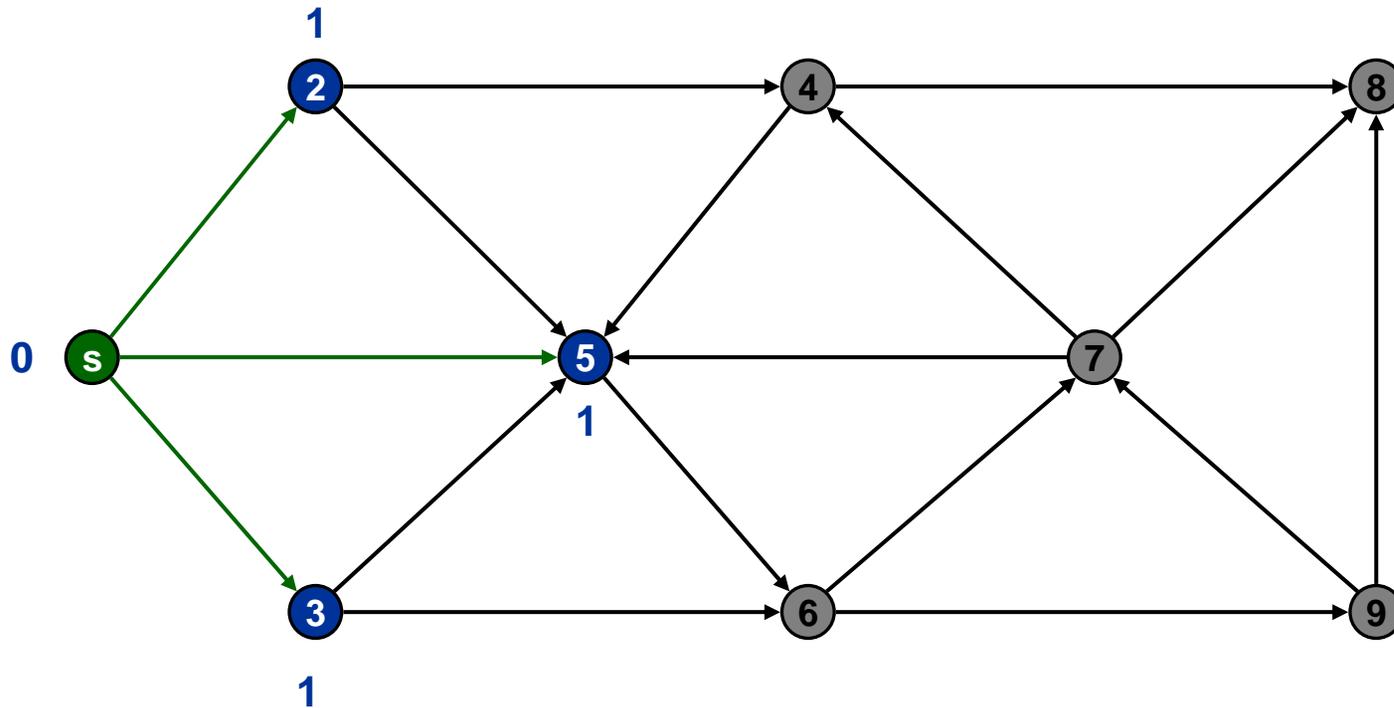
Queue: s 2

# Breadth First Search



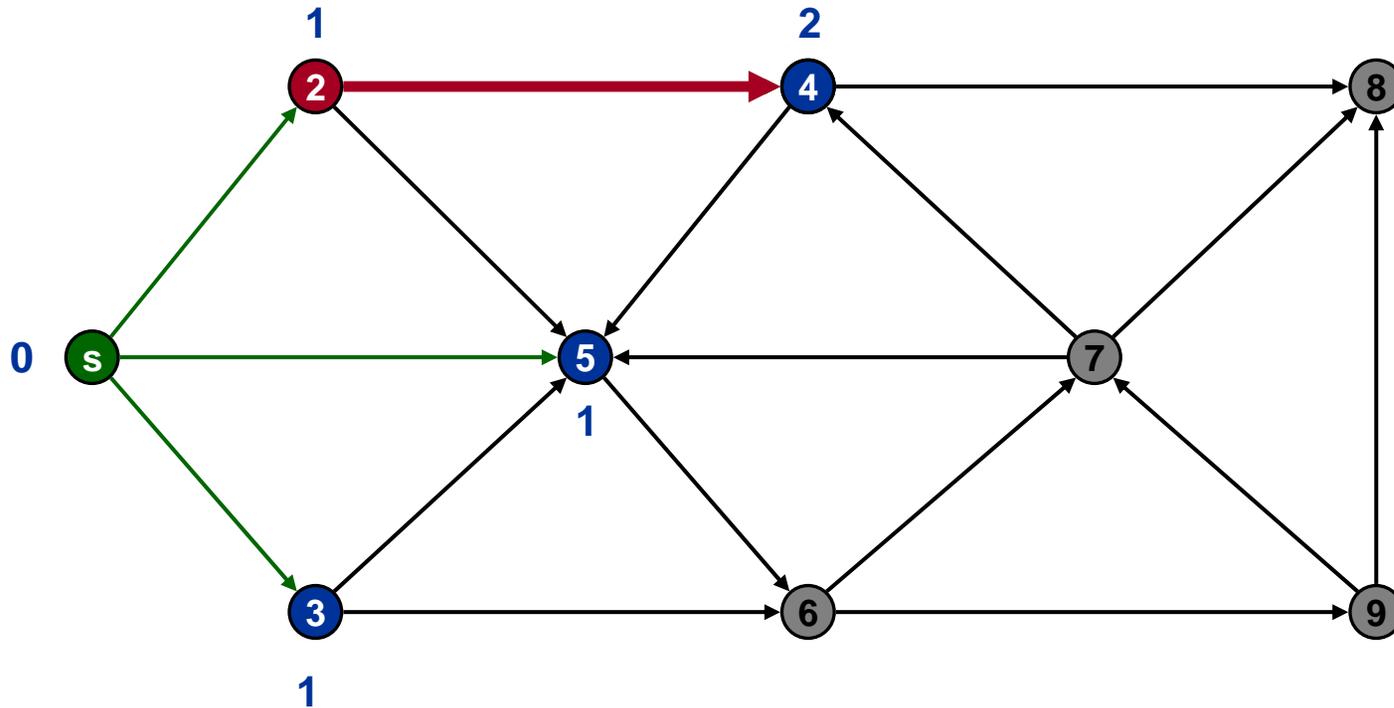
Queue: s 2 3

# Breadth First Search



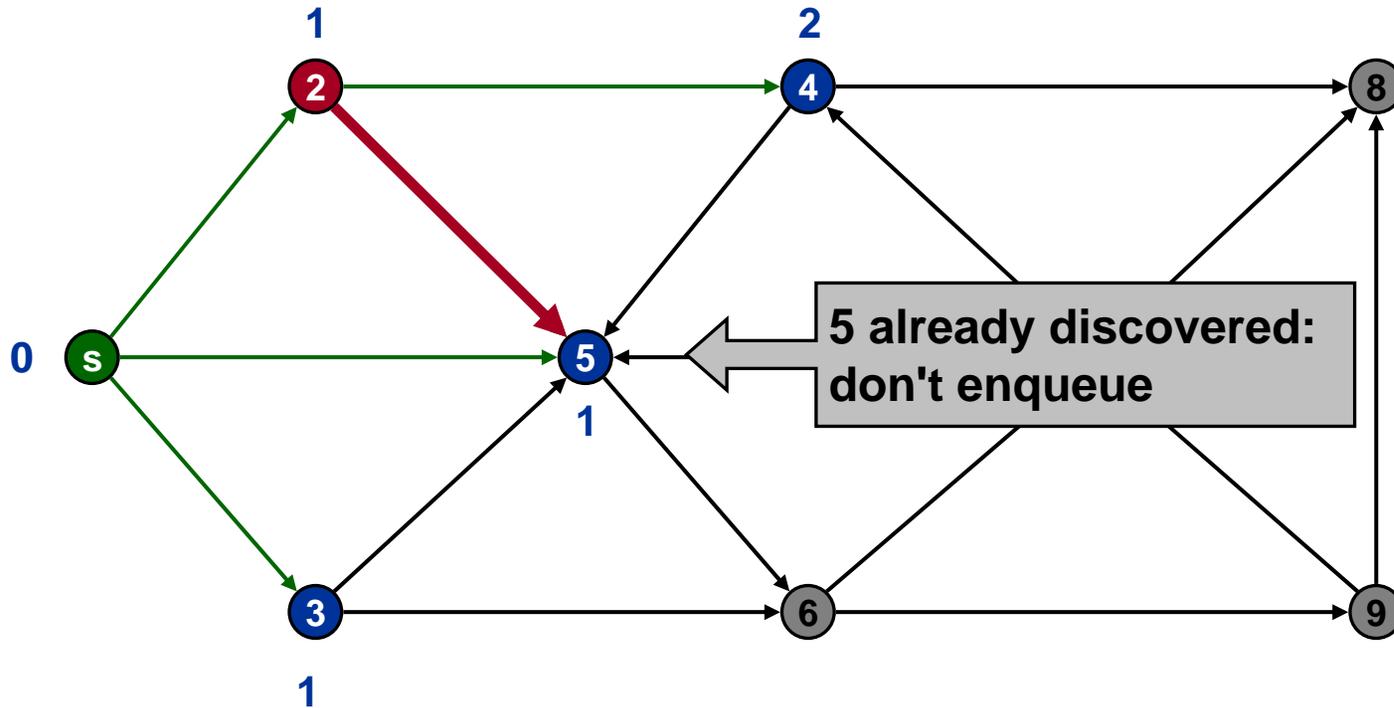
Queue: 2 3 5

# Breadth First Search



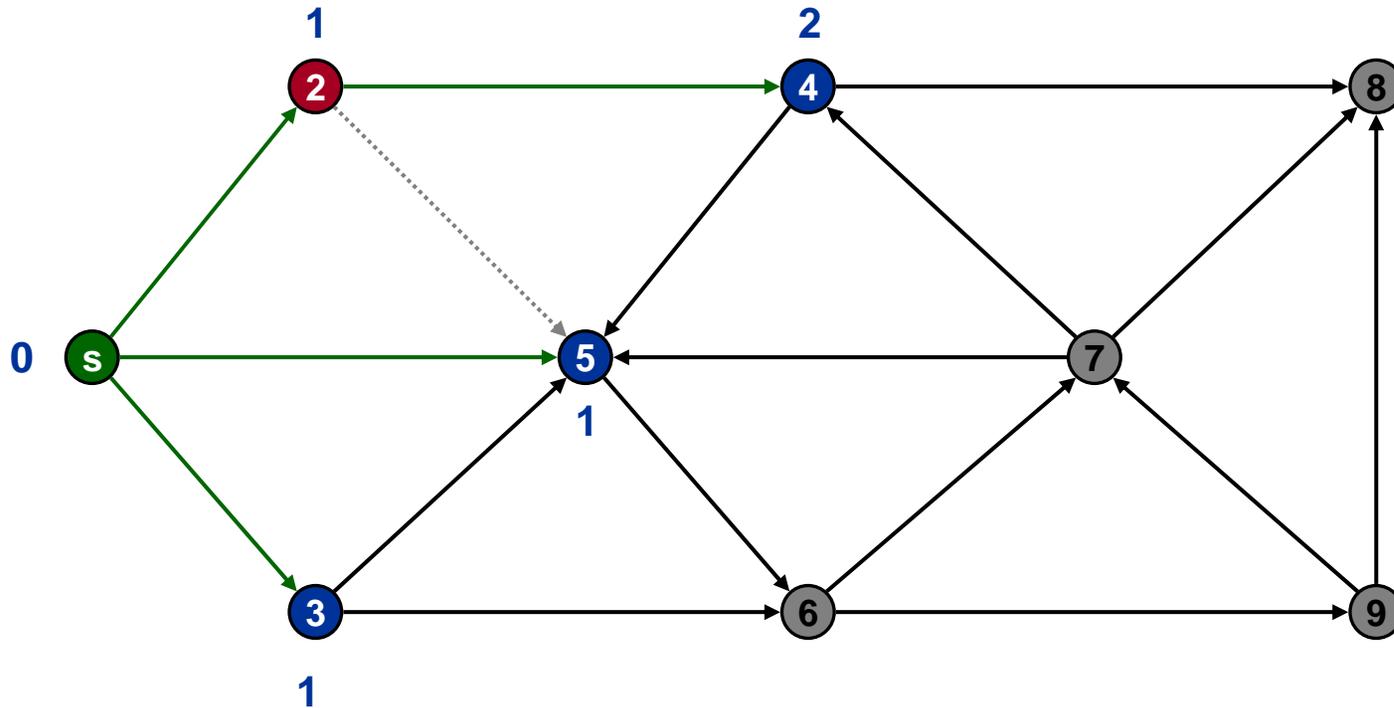
Queue: 2 3 5

# Breadth First Search



Queue: 2 3 5 4

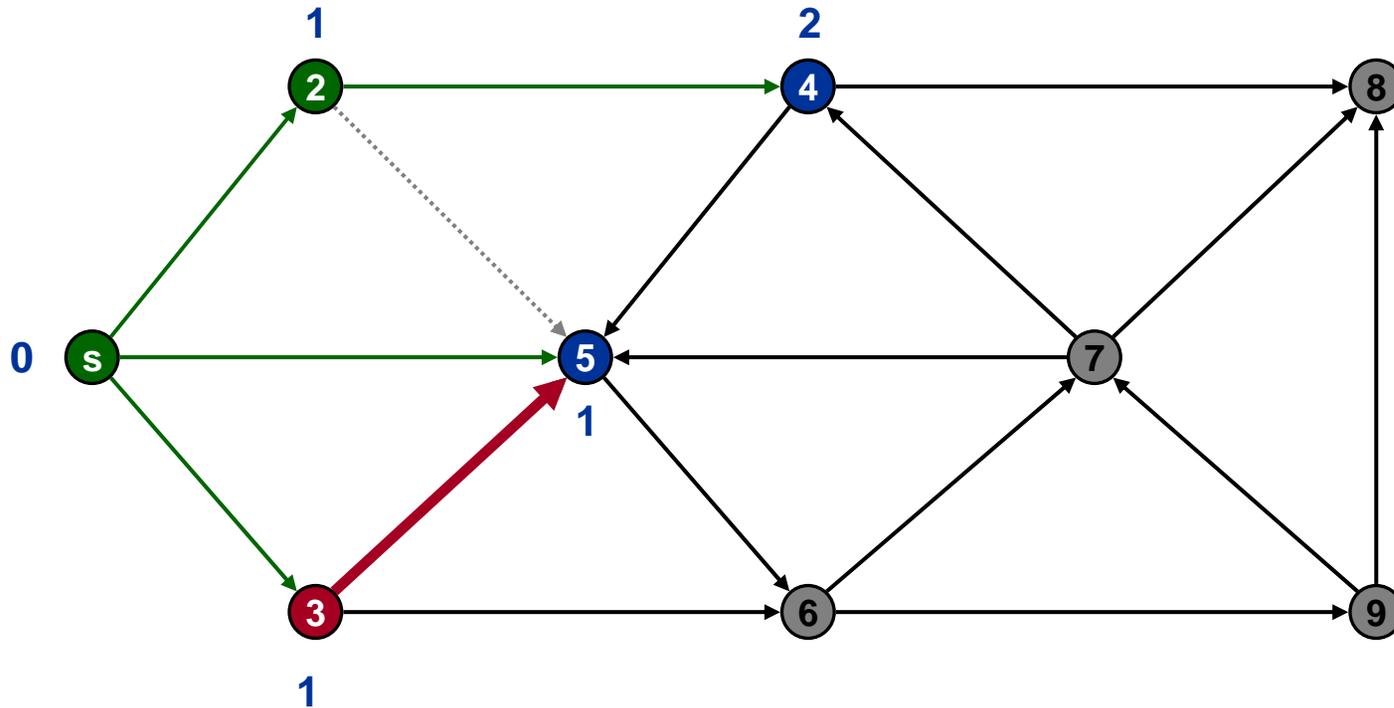
# Breadth First Search



Undiscovered
Discovered
Top of queue
Finished

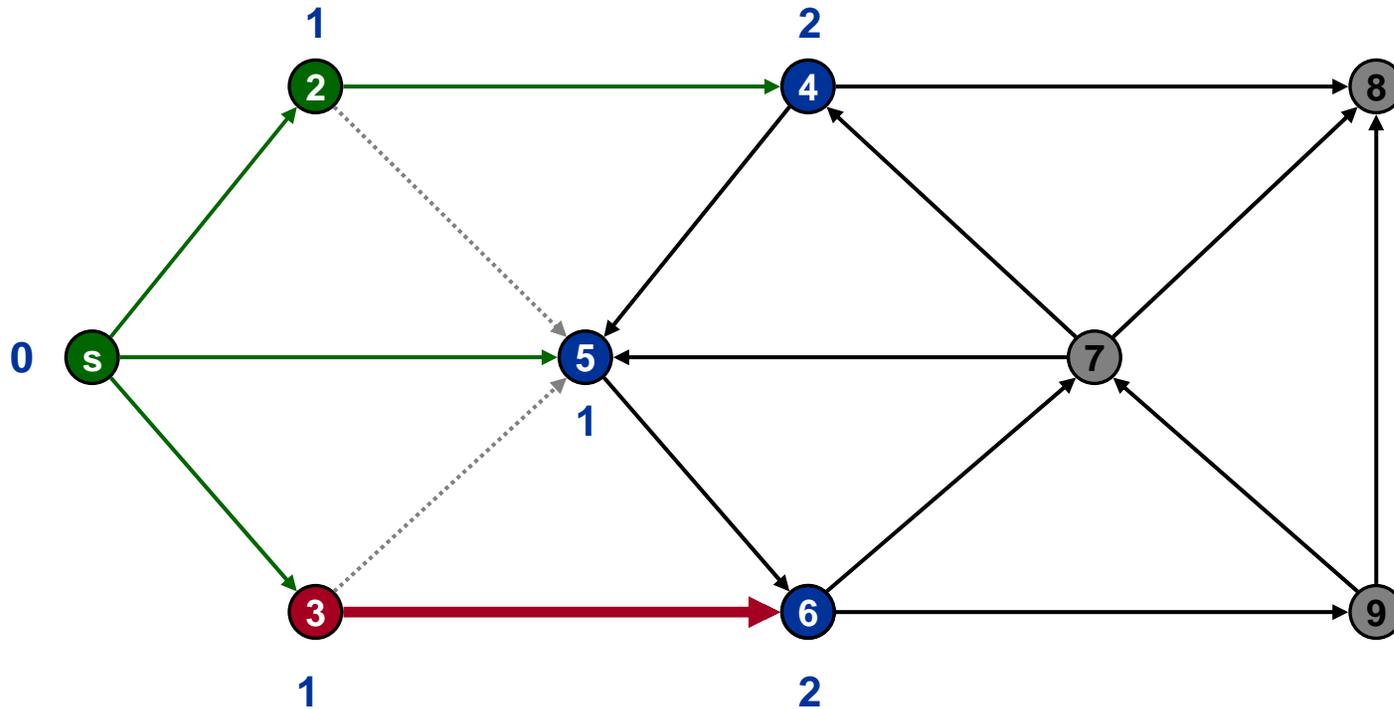
Queue: 2 3 5 4

# Breadth First Search



Queue: 3 5 4

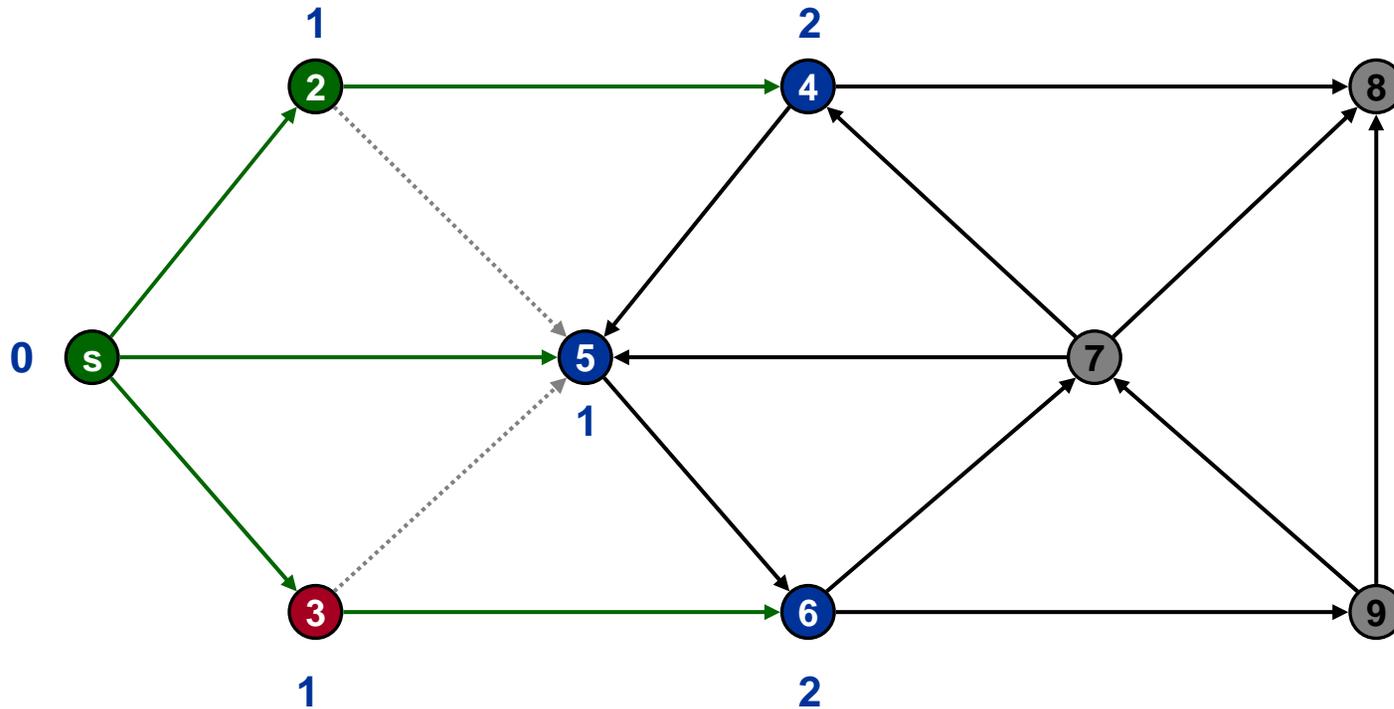
# Breadth First Search



Undiscovered
Discovered
Top of queue
Finished

Queue: 3 5 4

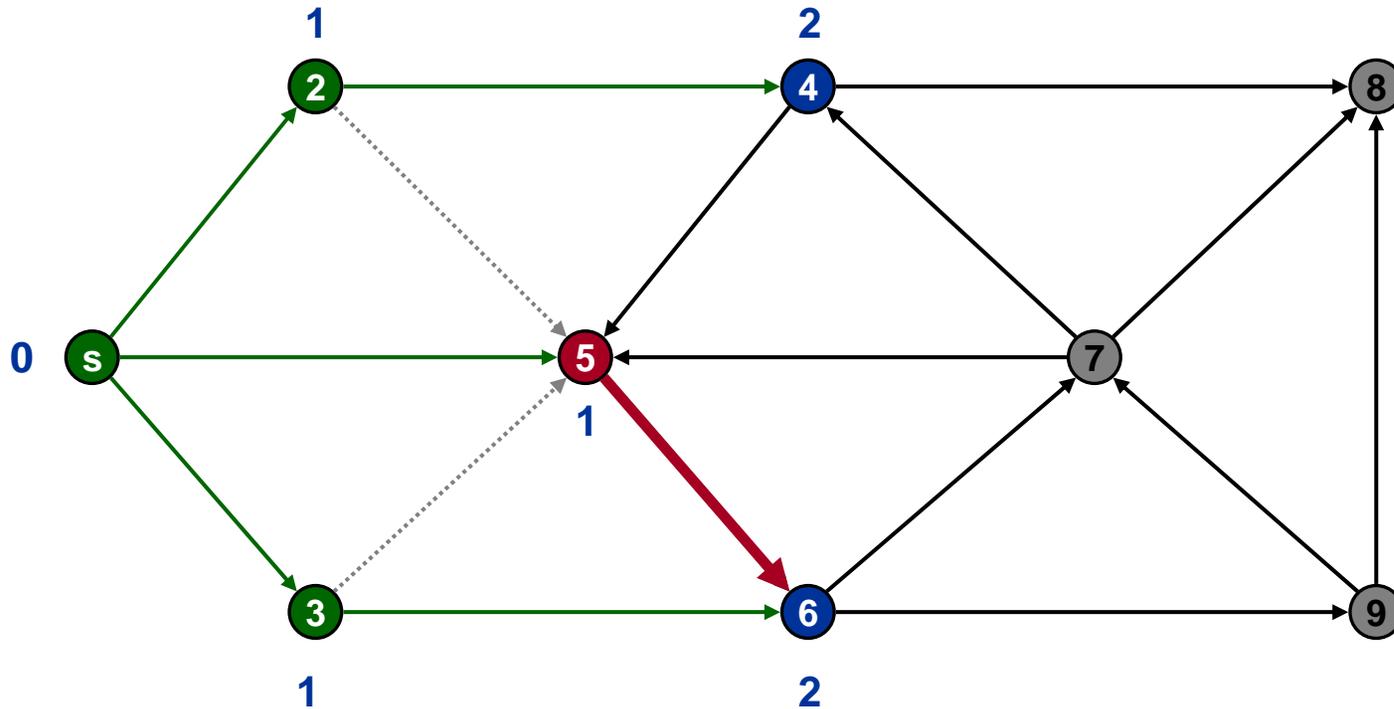
# Breadth First Search



Undiscovered
Discovered
Top of queue
Finished

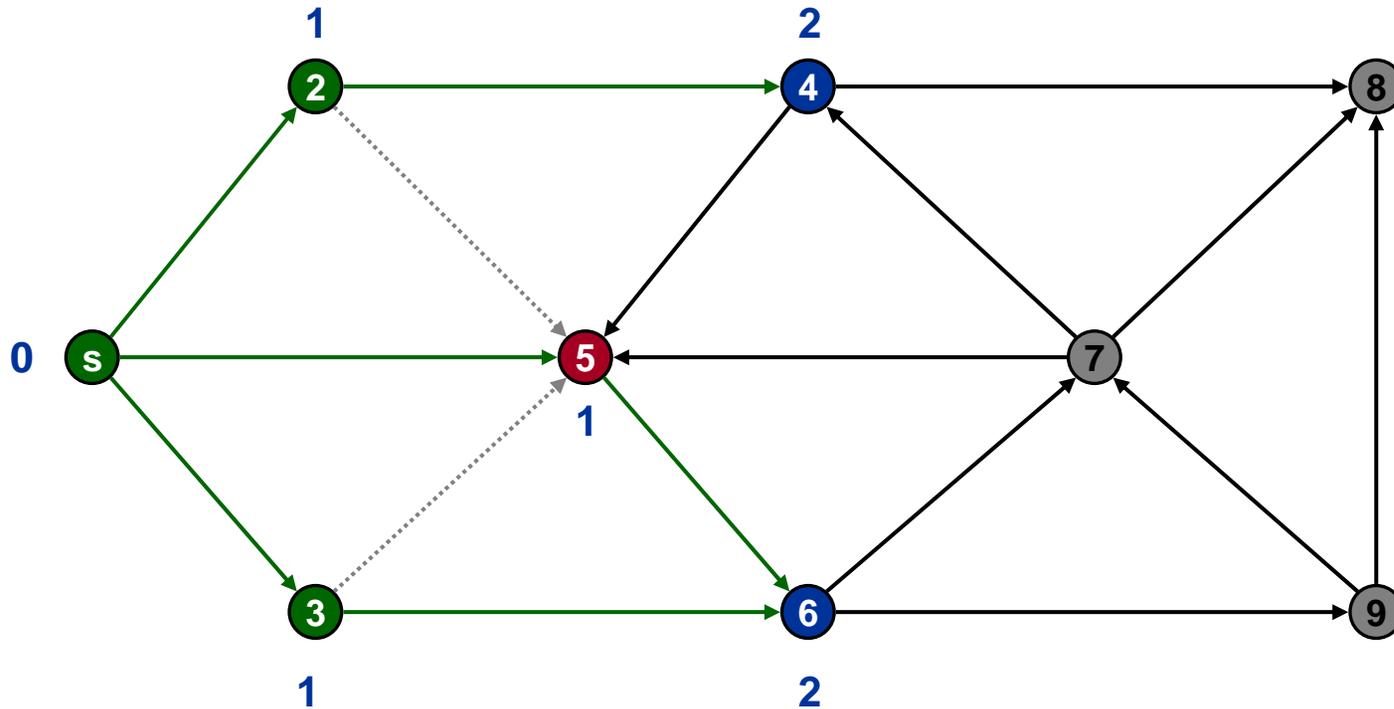
Queue: 3 5 4 6

# Breadth First Search



Queue: 5 4 6

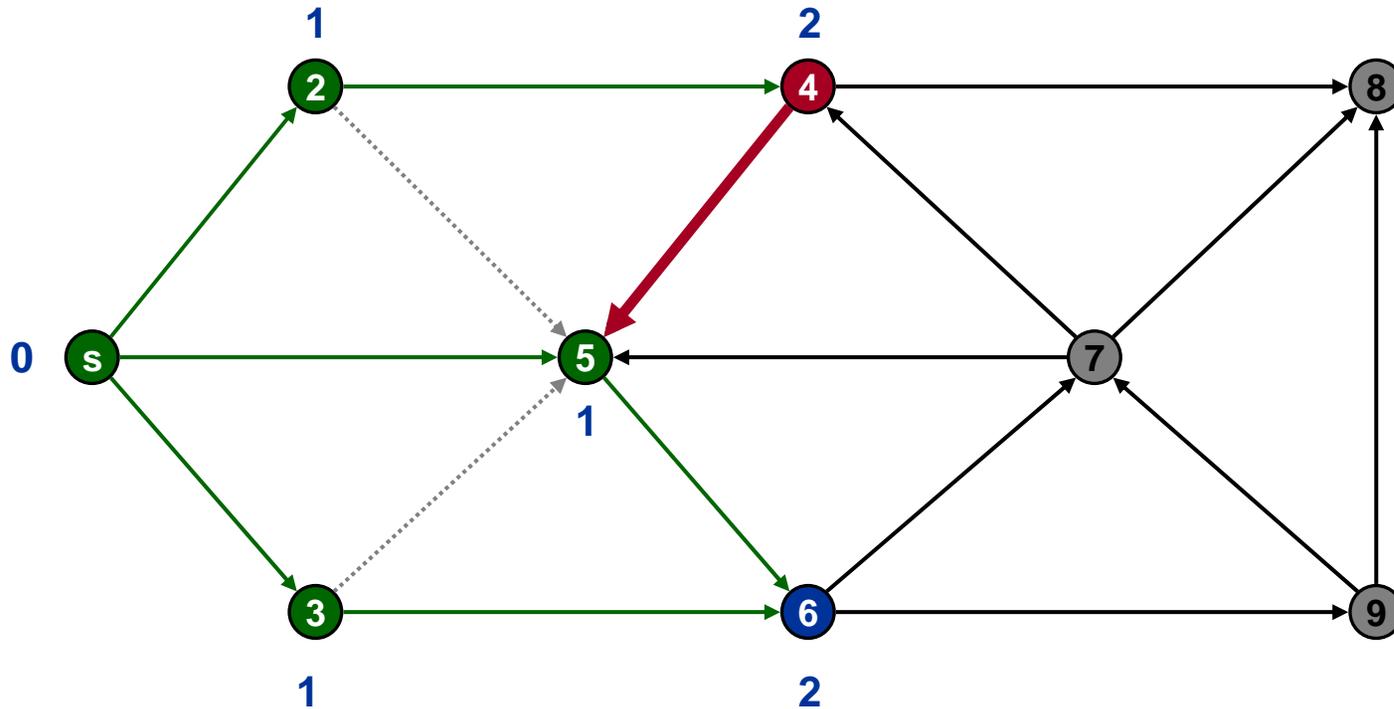
# Breadth First Search



Undiscovered
Discovered
Top of queue
Finished

Queue: 5 4 6

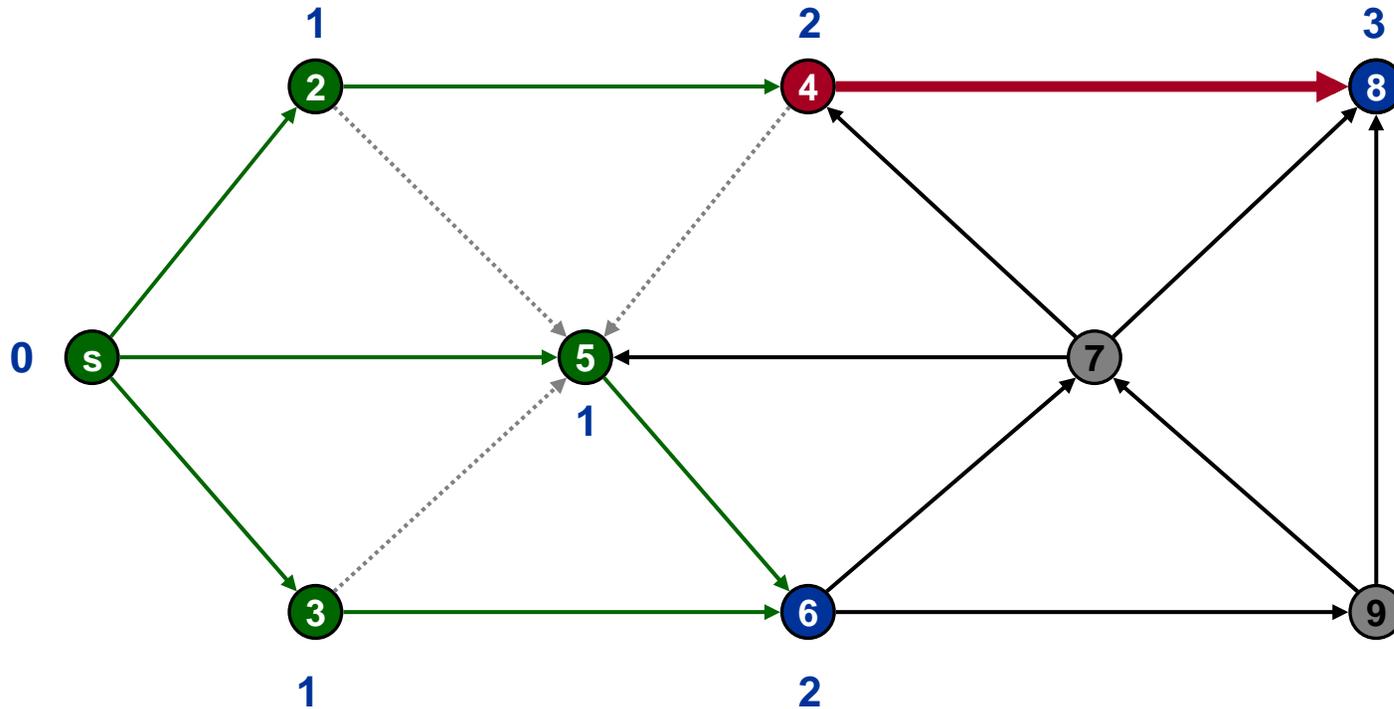
# Breadth First Search



Undiscovered
Discovered
Top of queue
Finished

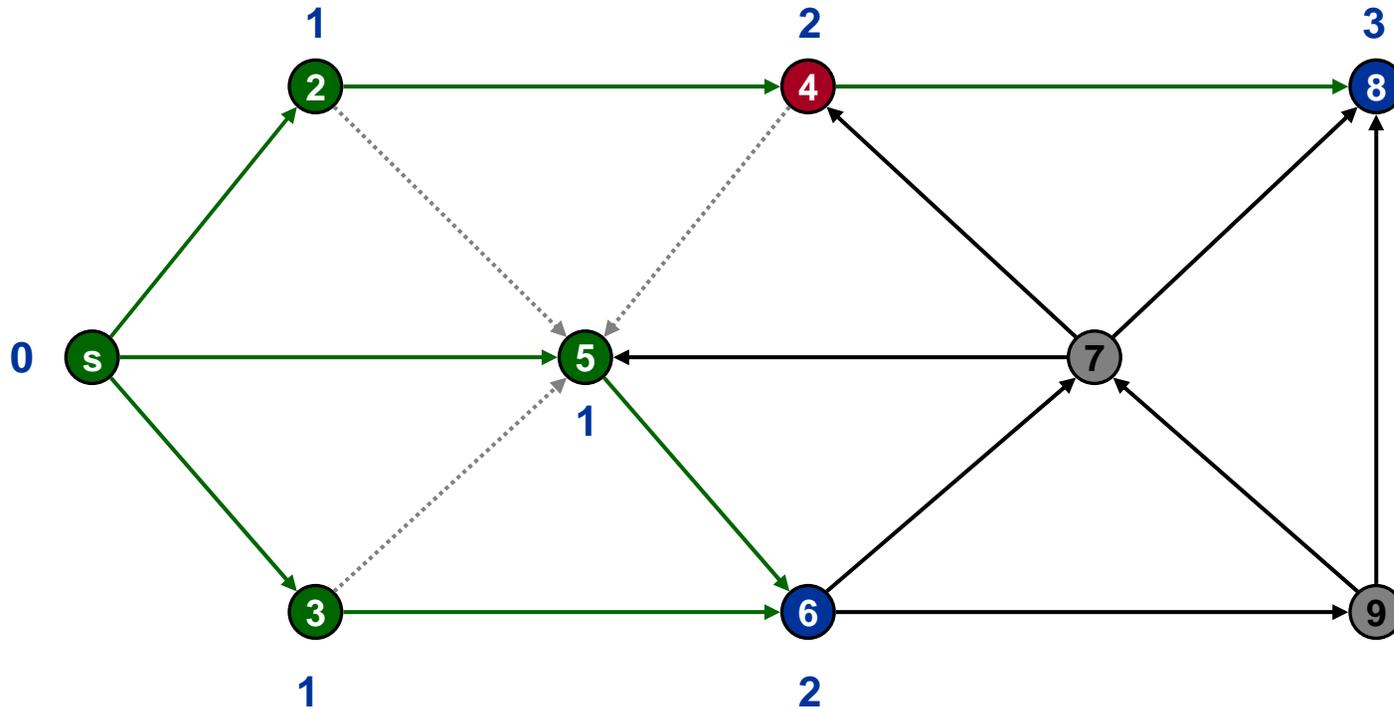
Queue: 4 6

# Breadth First Search



Queue: 4 6

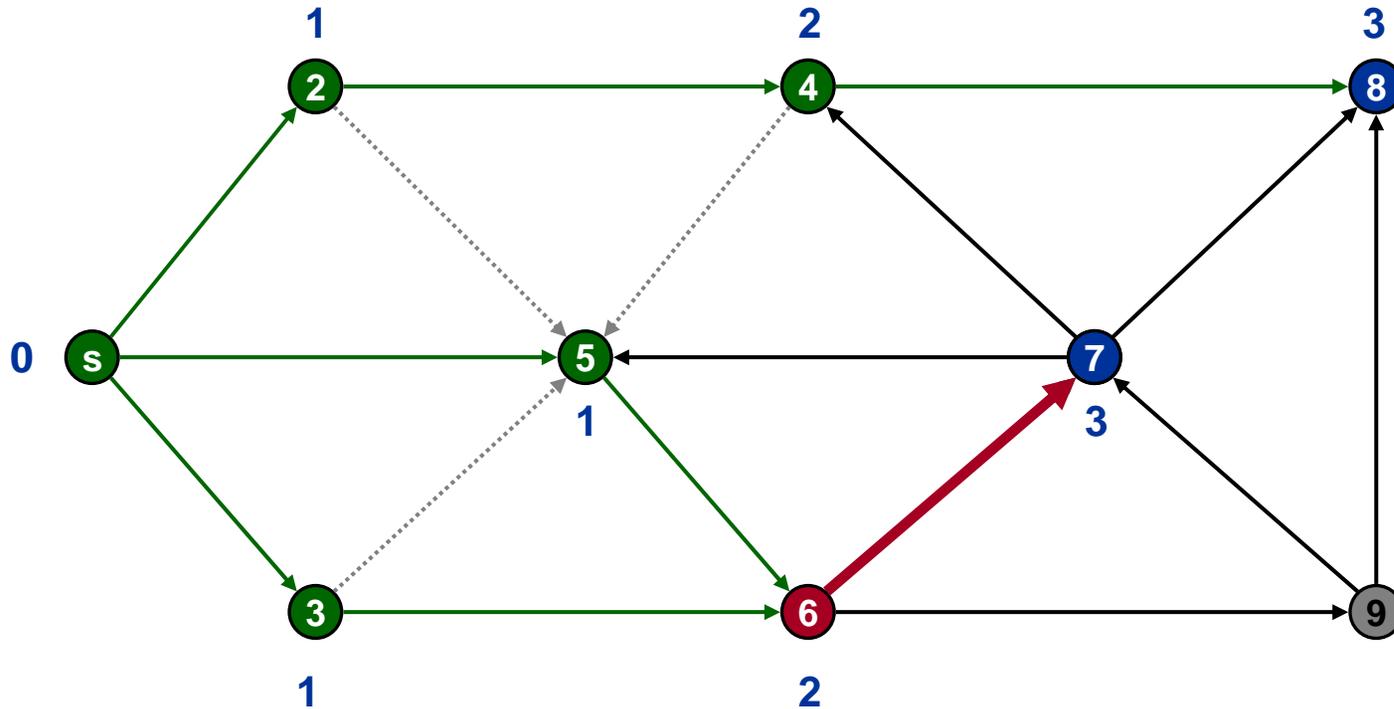
# Breadth First Search



Undiscovered
Discovered
Top of queue
Finished

Queue: 4 6 8

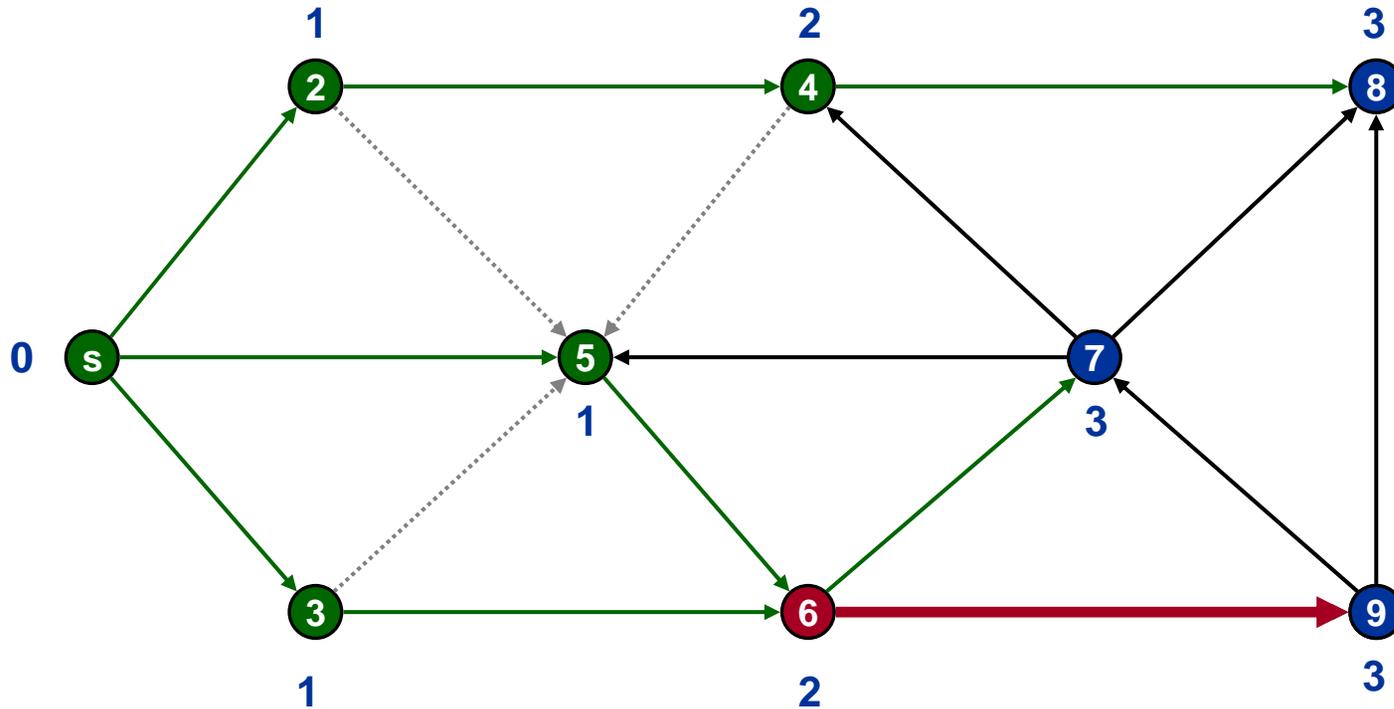
# Breadth First Search



Undiscovered
Discovered
Top of queue
Finished

Queue: 6 8

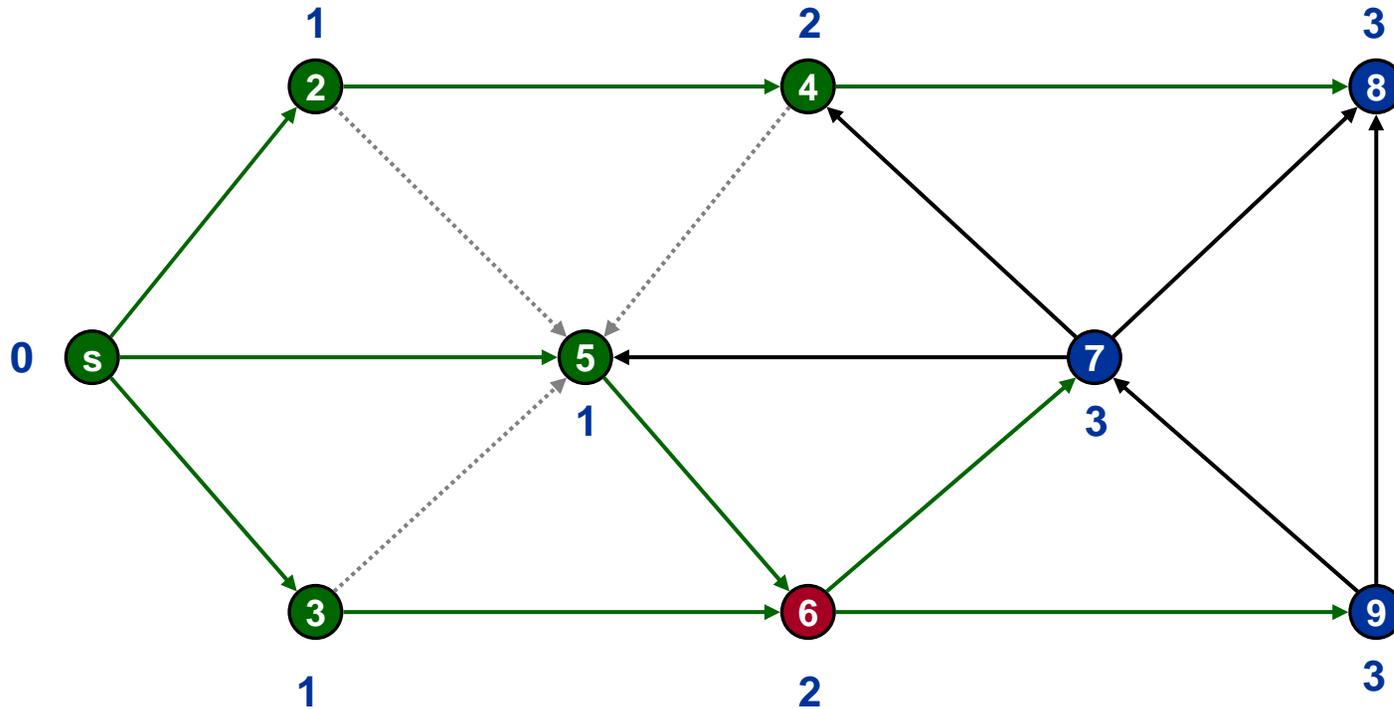
# Breadth First Search



Undiscovered
Discovered
Top of queue
Finished

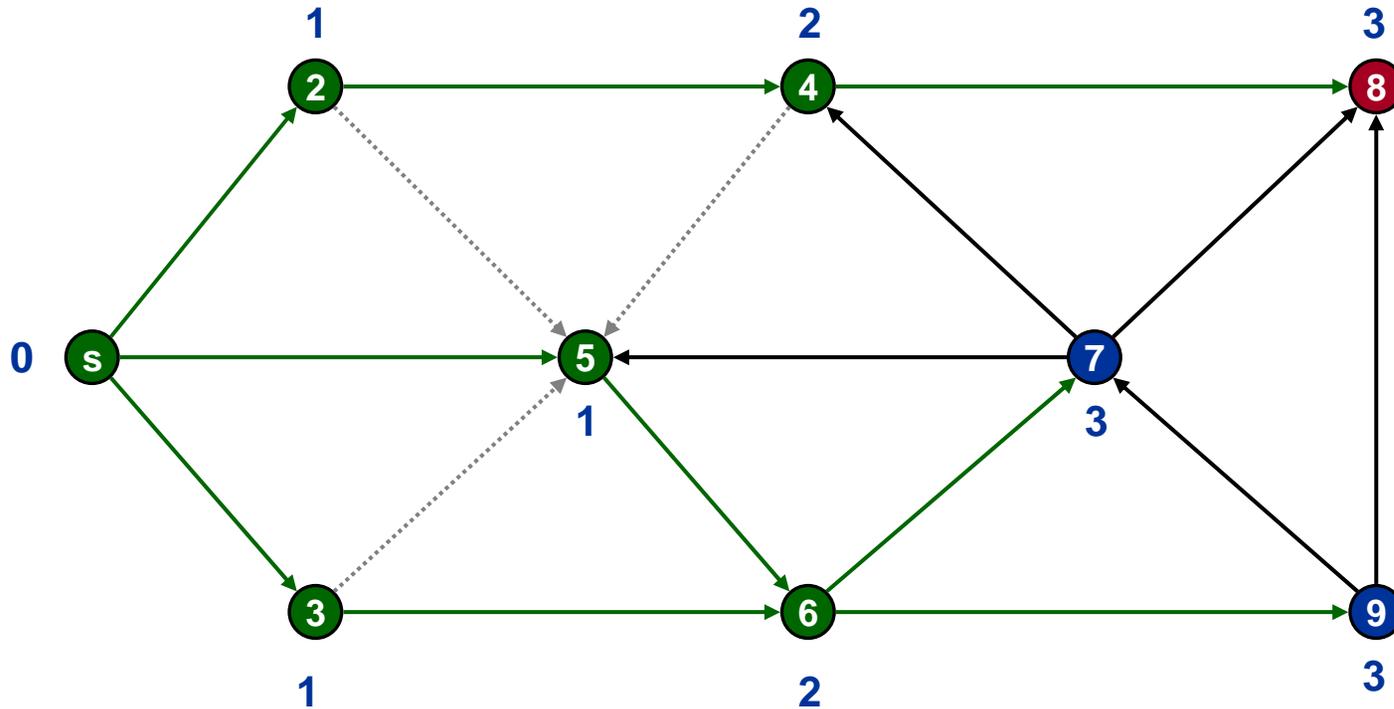
Queue: 6 8 7

# Breadth First Search



Queue: 6 8 7 9

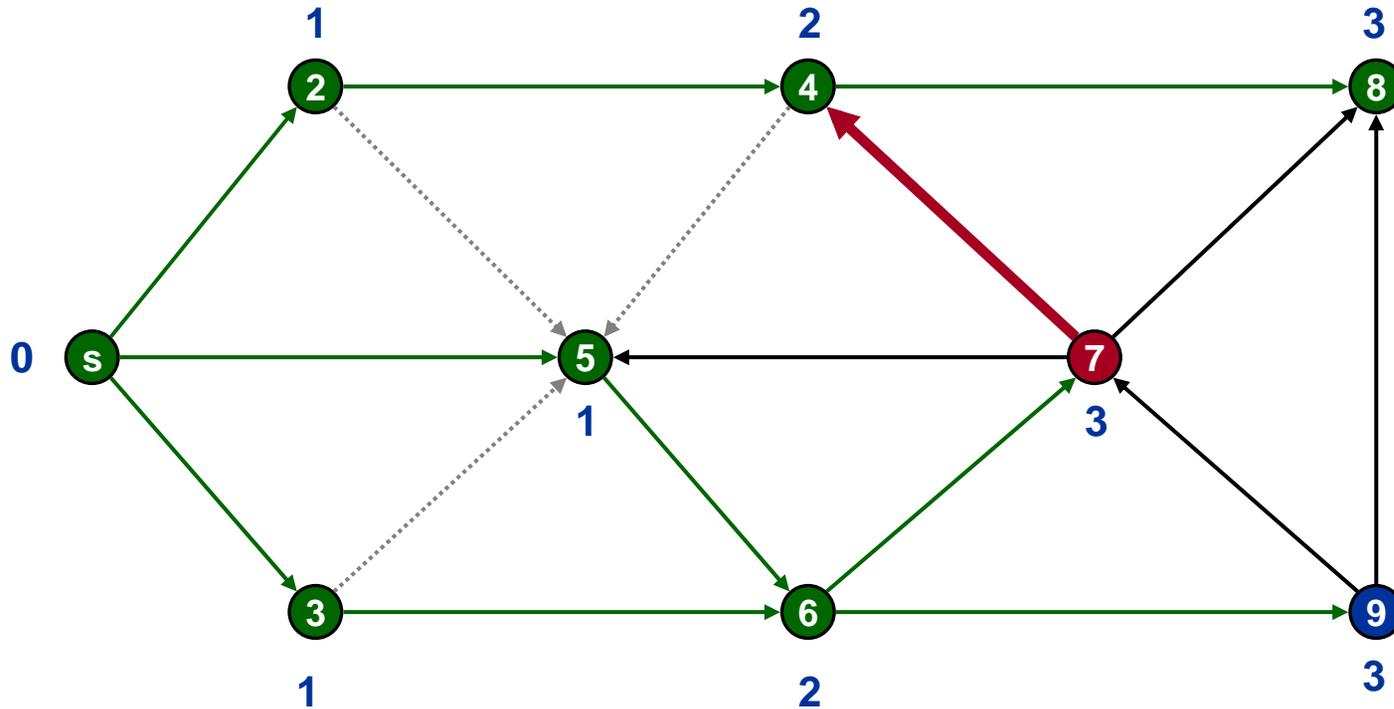
# Breadth First Search



Undiscovered
Discovered
Top of queue
Finished

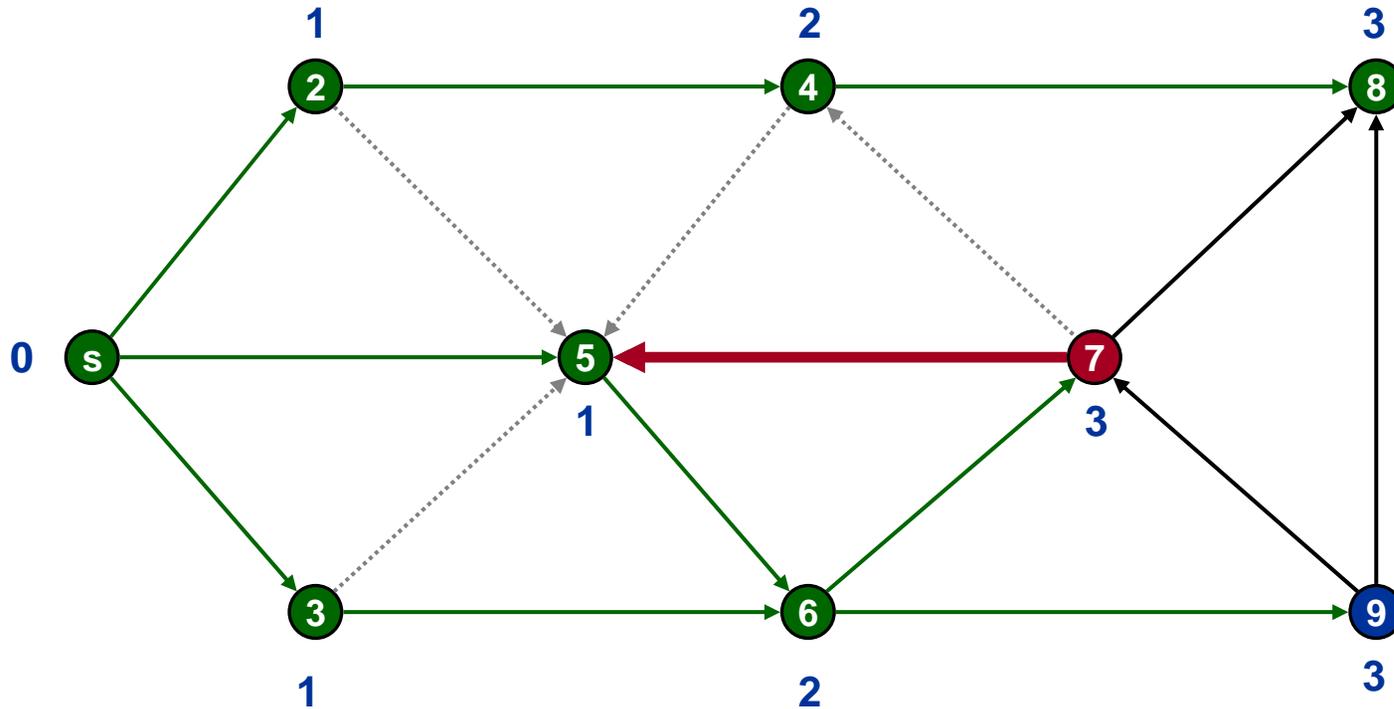
Queue: 8 7 9

# Breadth First Search



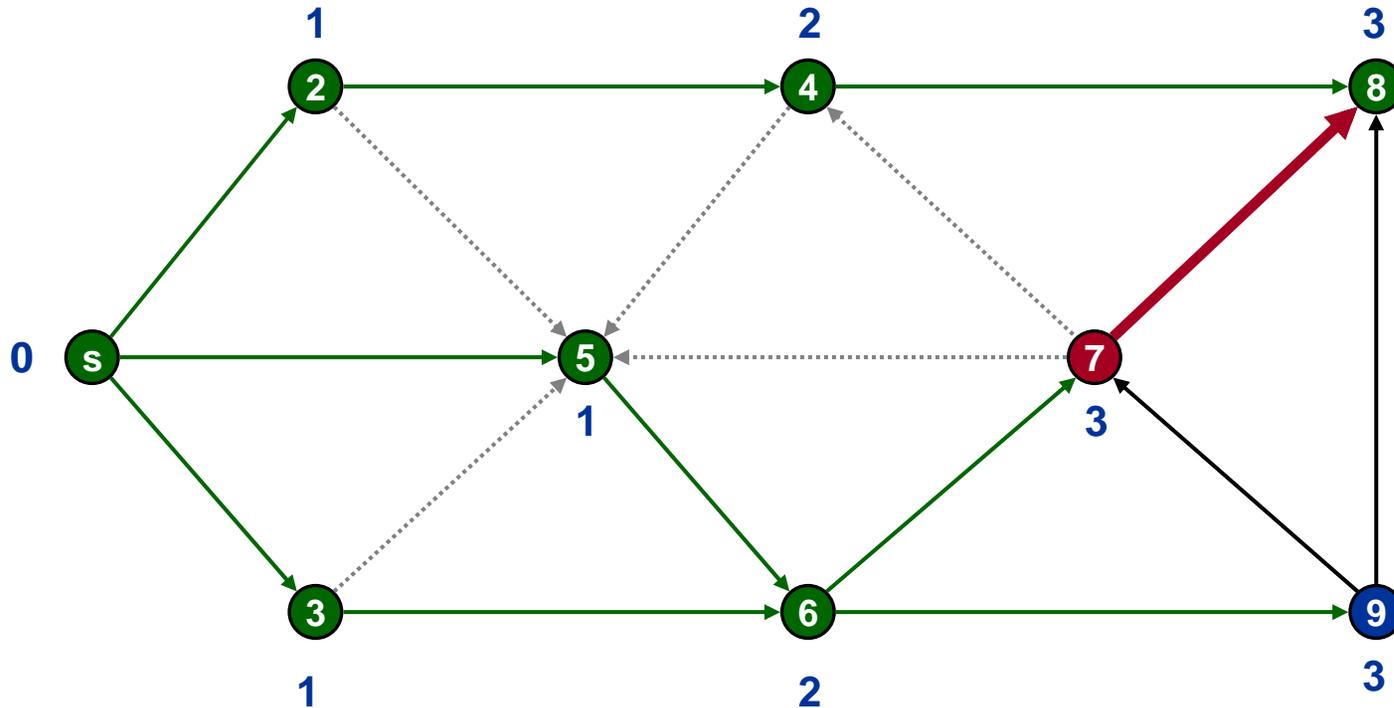
Queue: 7 9

# Breadth First Search



Queue: 7 9

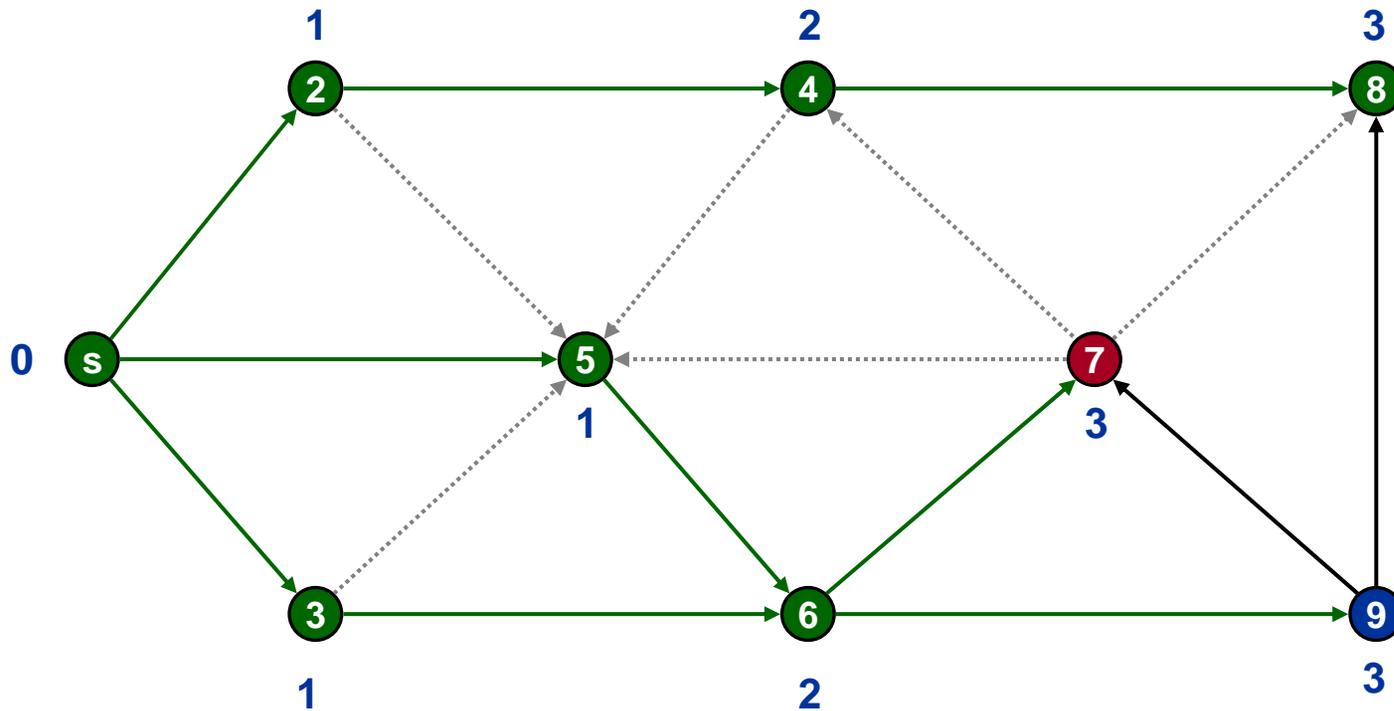
# Breadth First Search



Undiscovered
Discovered
Top of queue
Finished

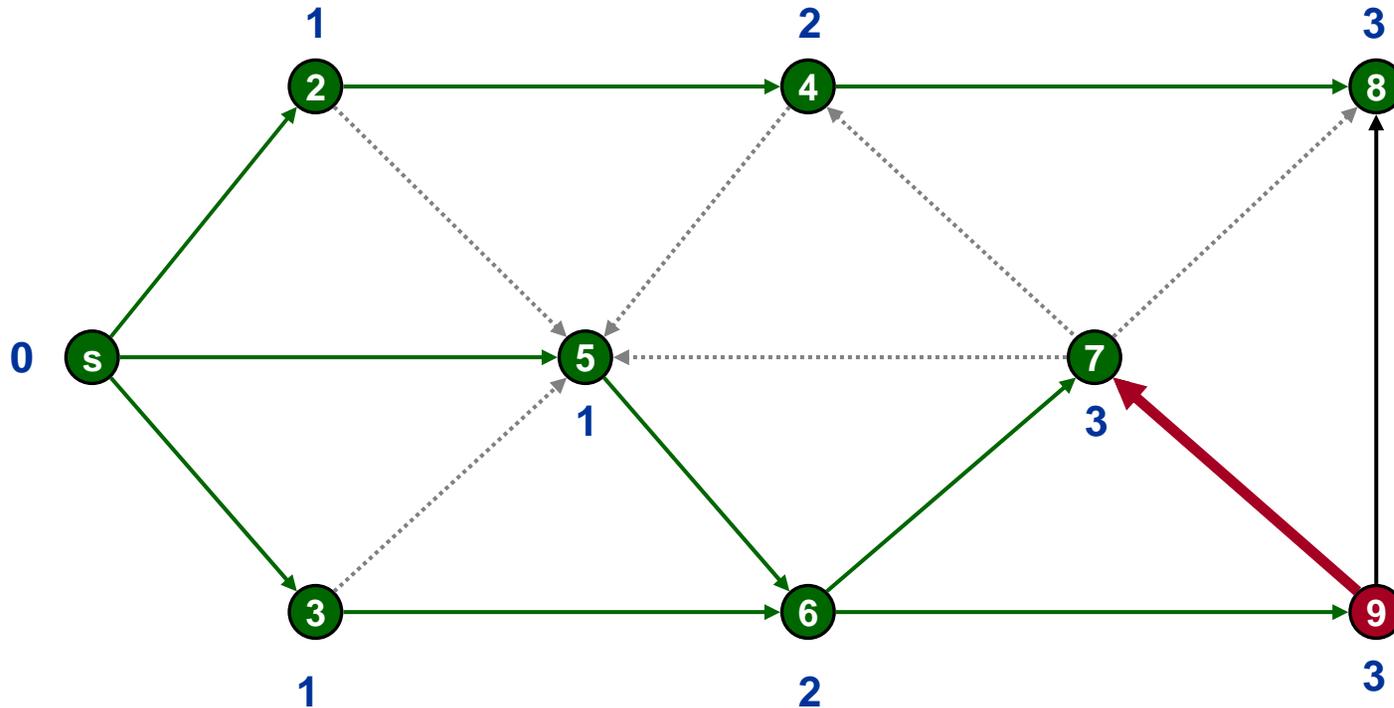
Queue: 7 9

# Breadth First Search



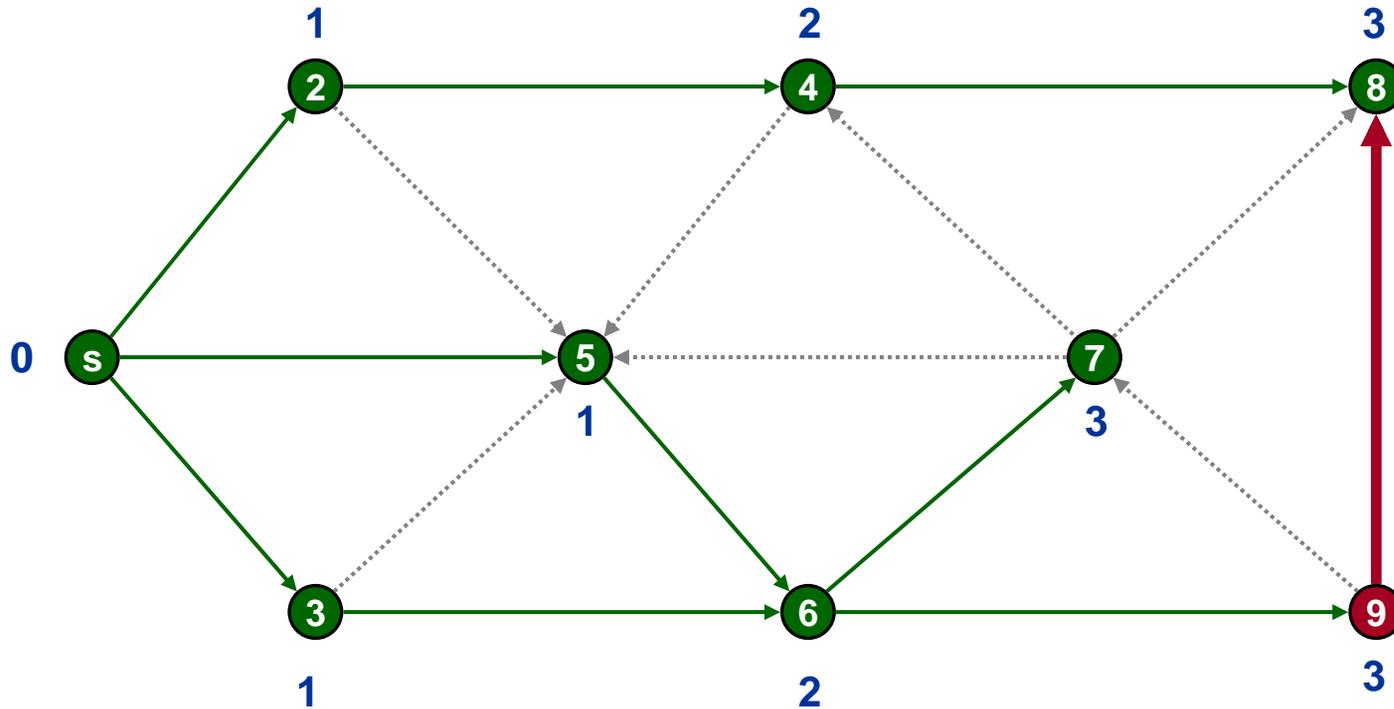
Queue: 7 9

# Breadth First Search



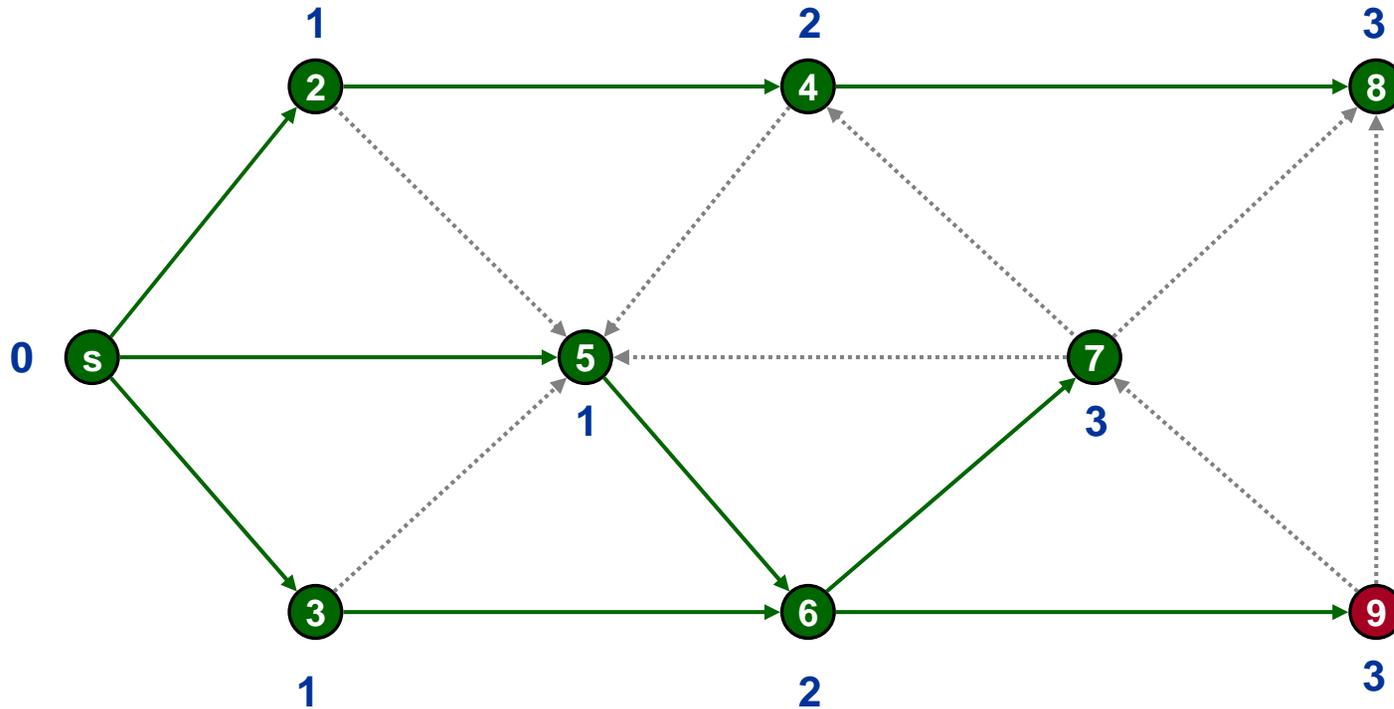
Queue: 9

# Breadth First Search



Queue: 9

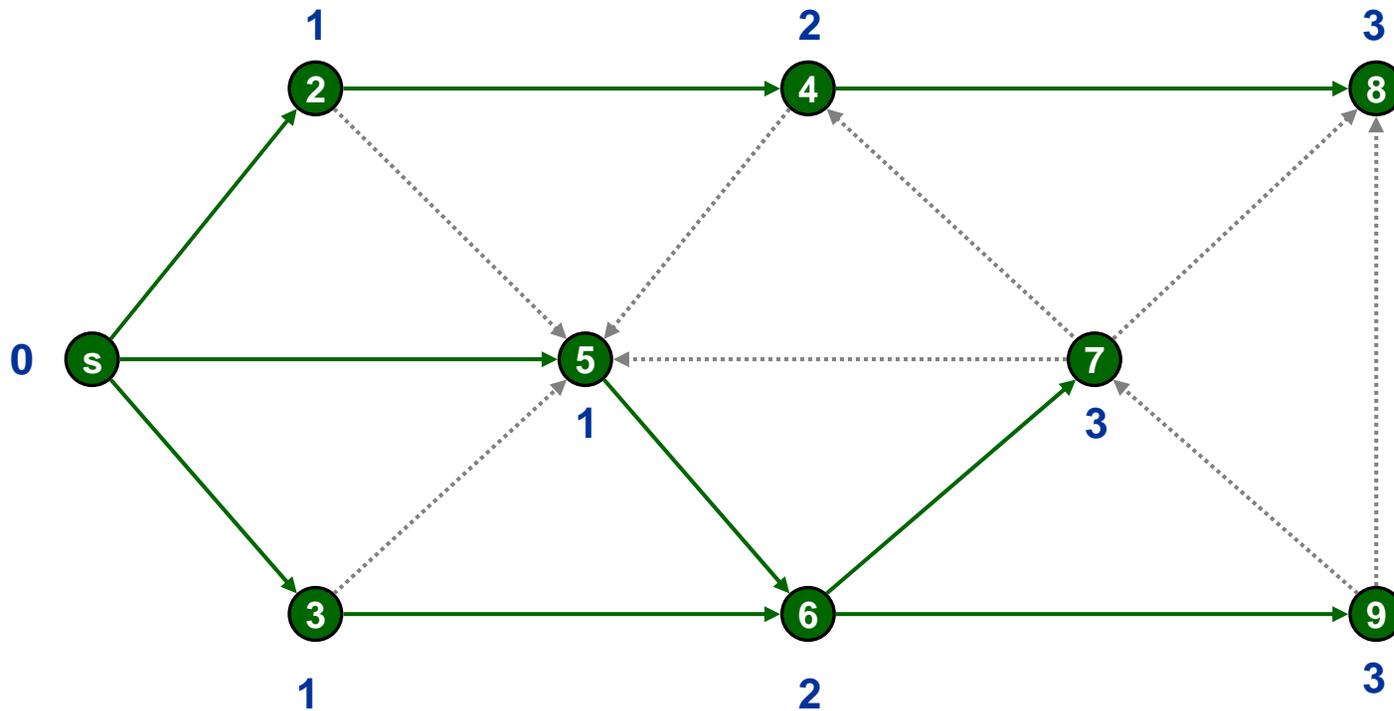
# Breadth First Search



Undiscovered
Discovered
Top of queue
Finished

Queue: 9

# Breadth First Search



Queue: