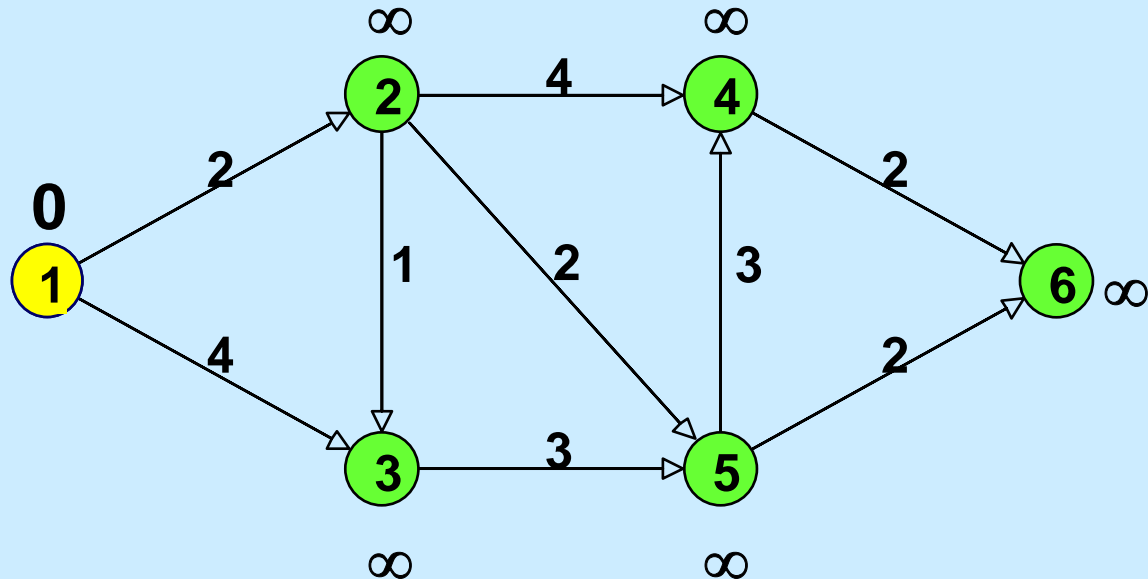


# An Example

---

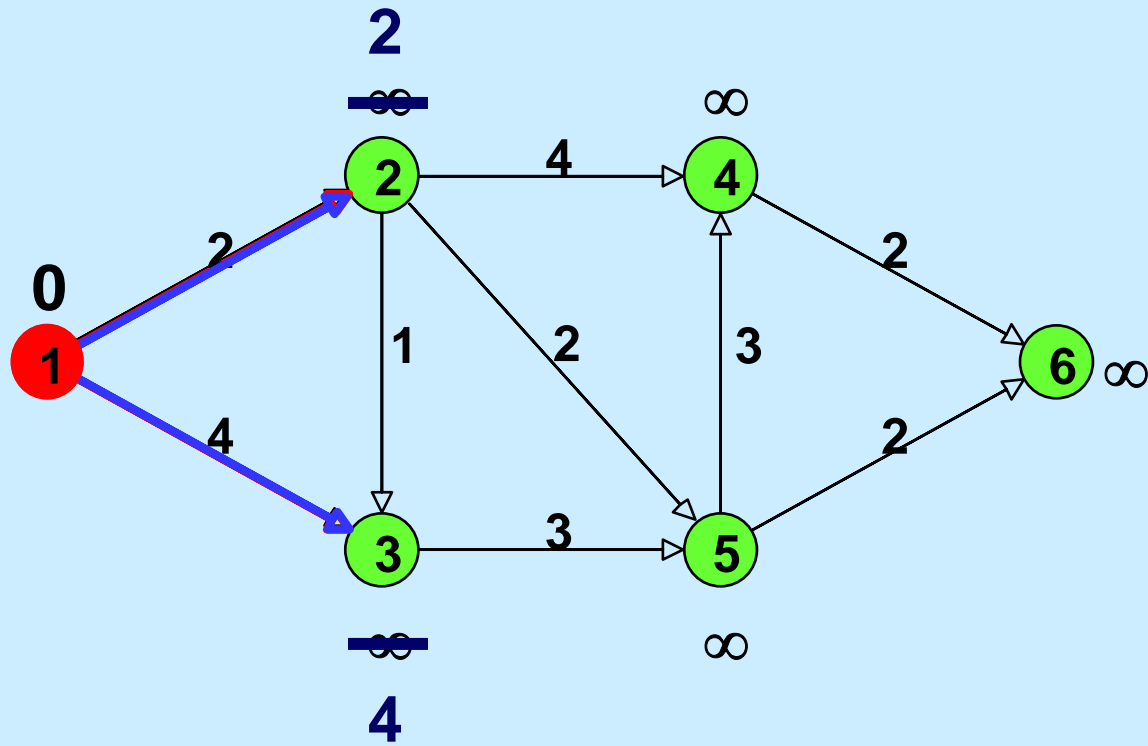


## Initialize

Select the node with the minimum temporary distance label.

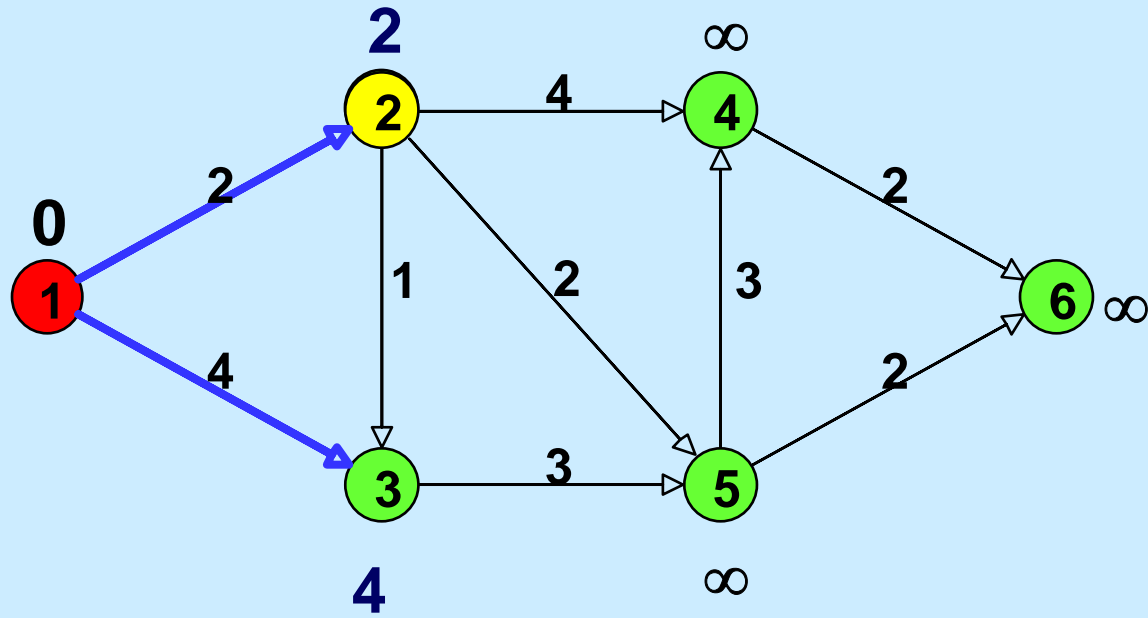
# Update Step

---

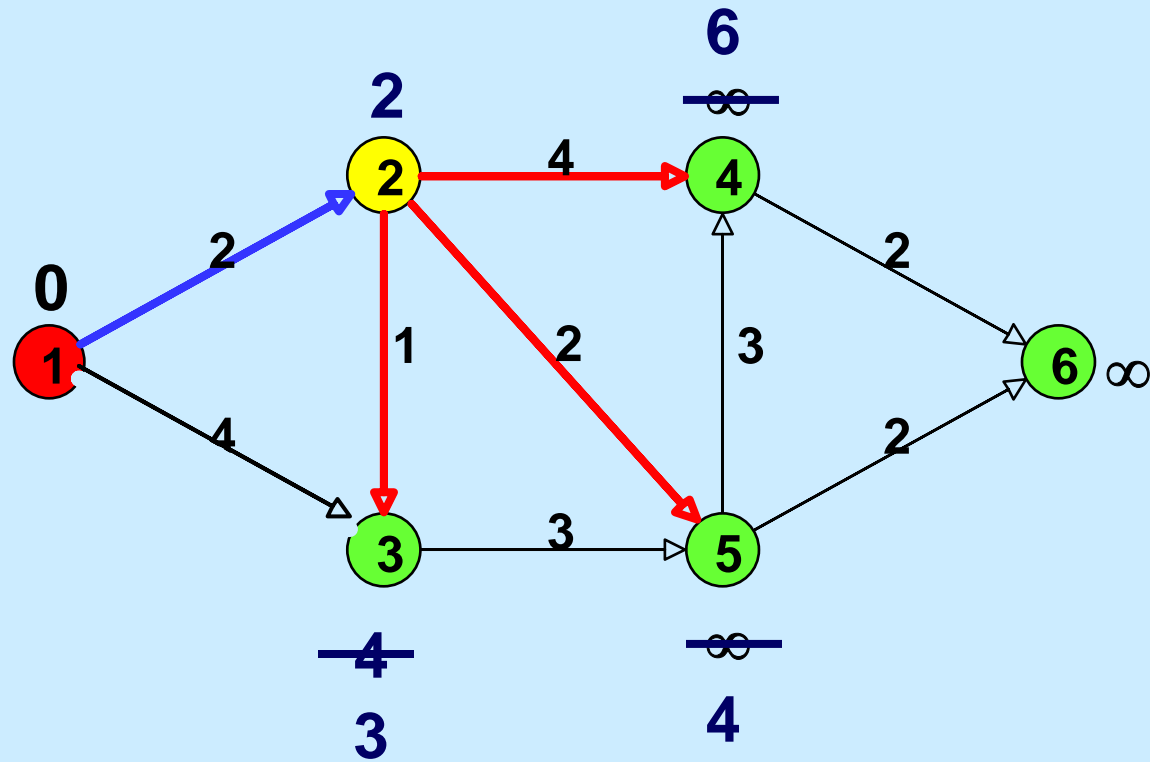


# Choose Minimum Temporary Label

---



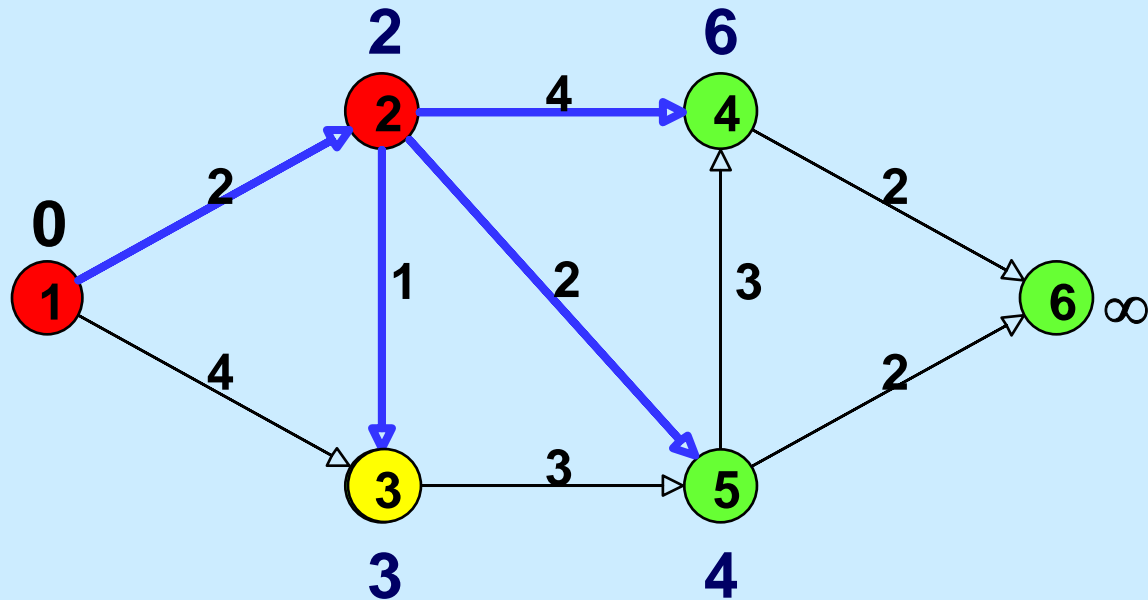
# Update Step



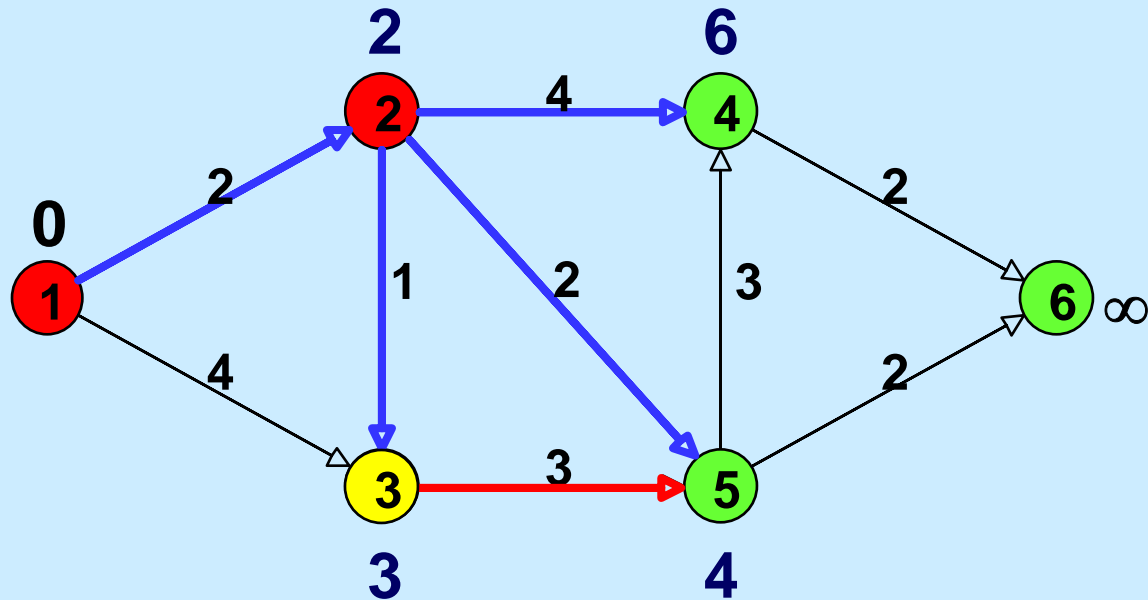
The predecessor of node 3 is now node 2

# Choose Minimum Temporary Label

---



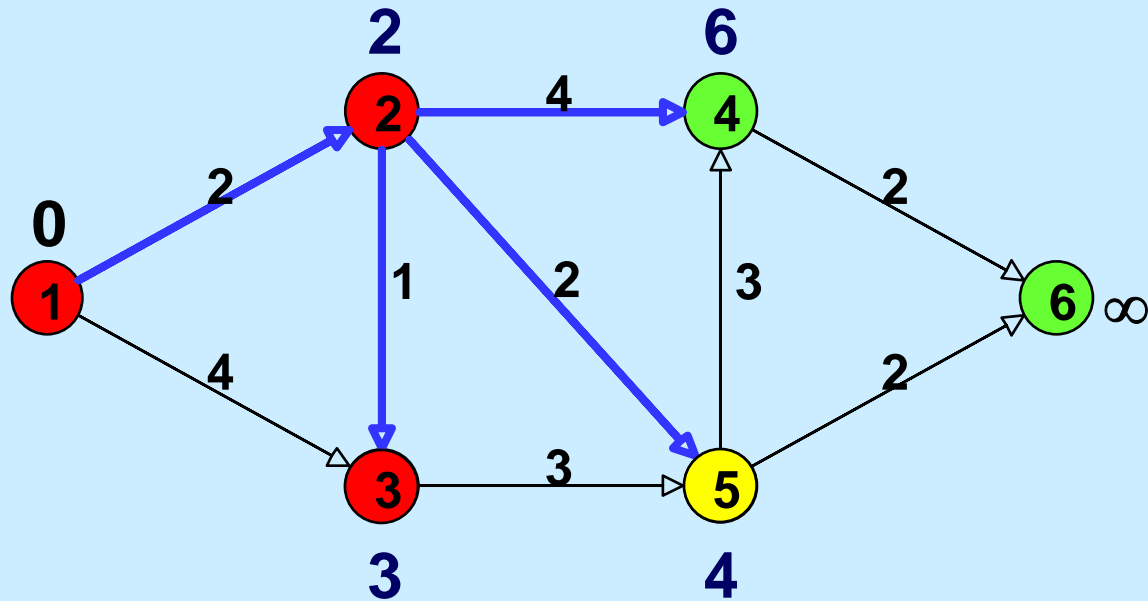
# Update



**d(5) is not changed.**

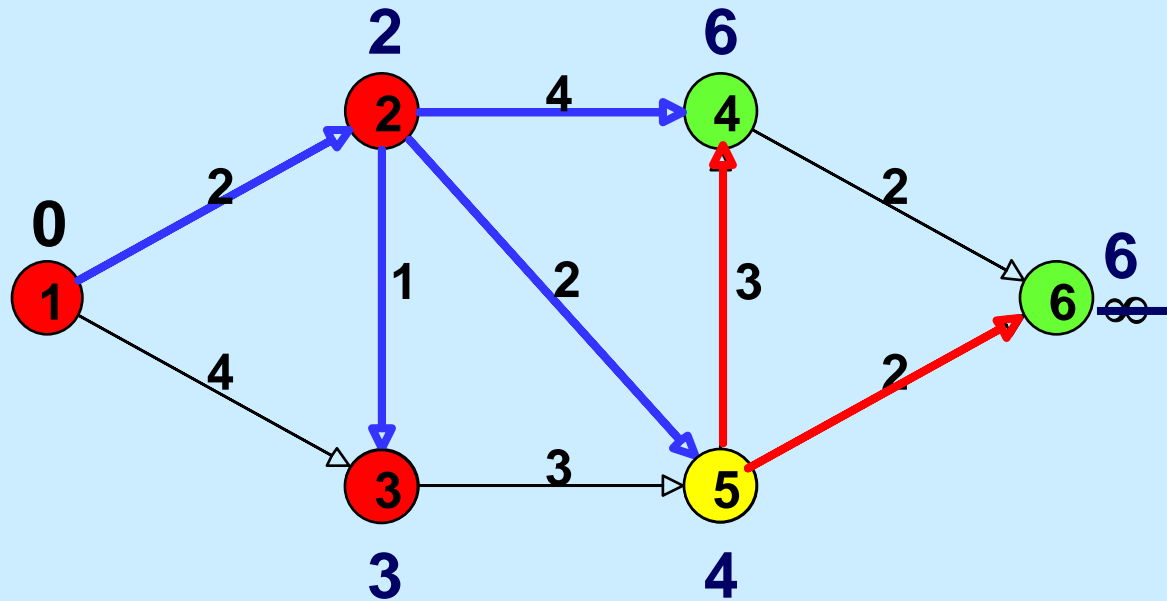
# Choose Minimum Temporary Label

---



# Update

---

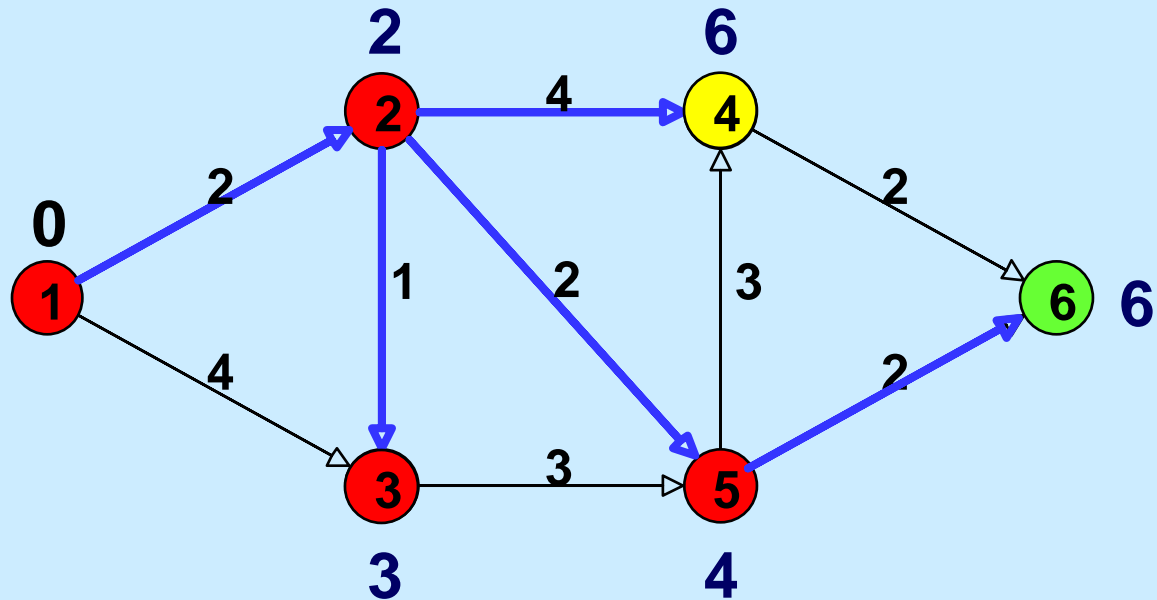


**d(4) is not changed**



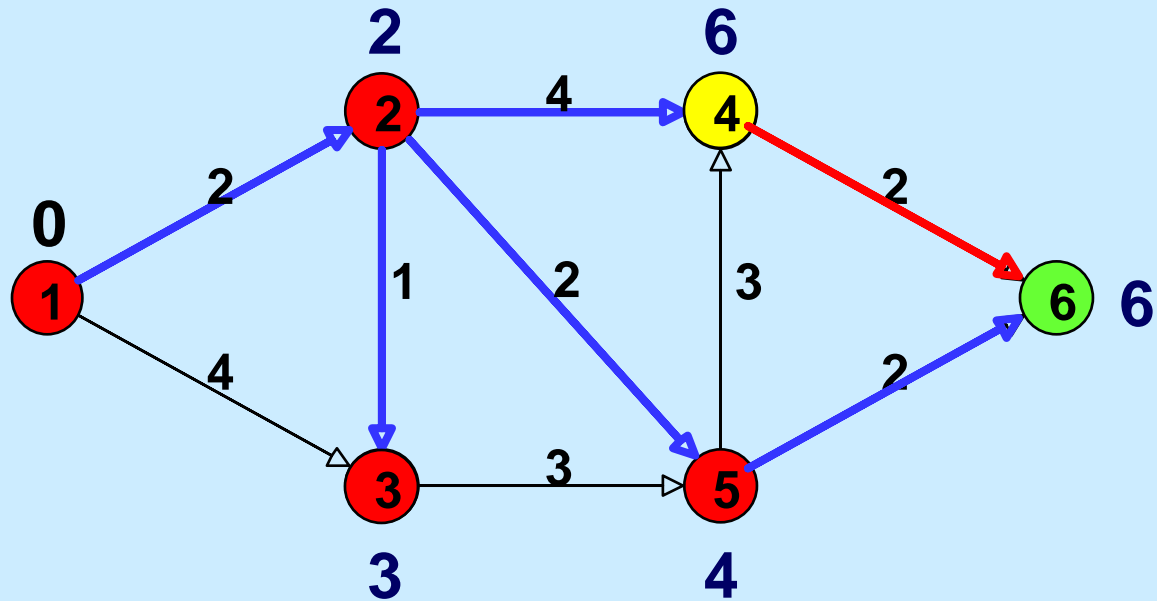
# Choose Minimum Temporary Label

---



# Update

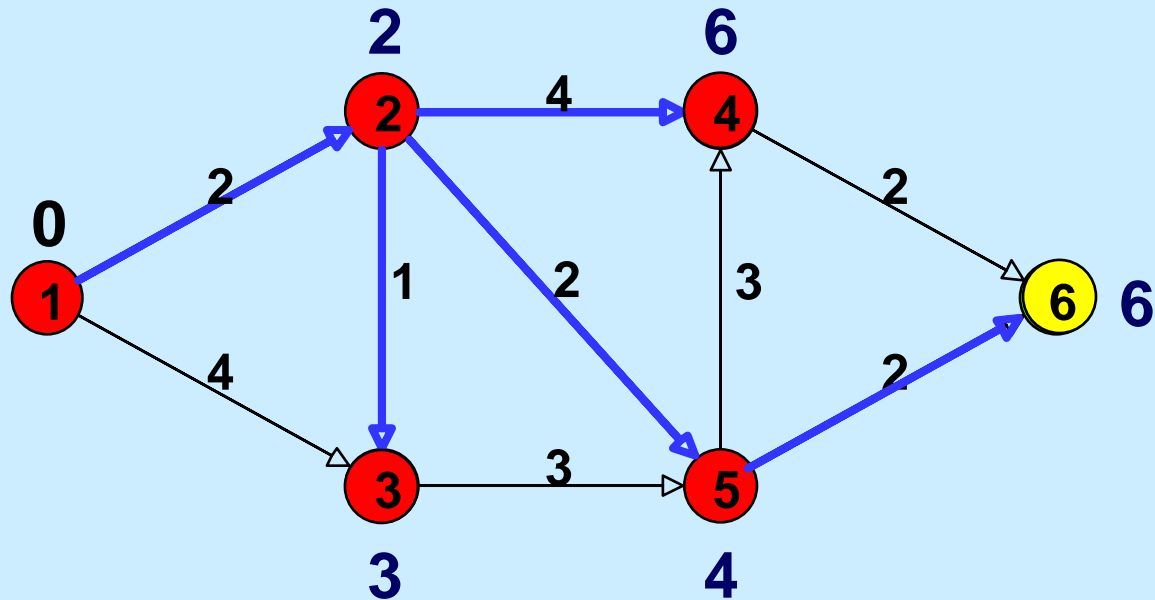
---



**d(6) is not updated**

# Choose Minimum Temporary Label

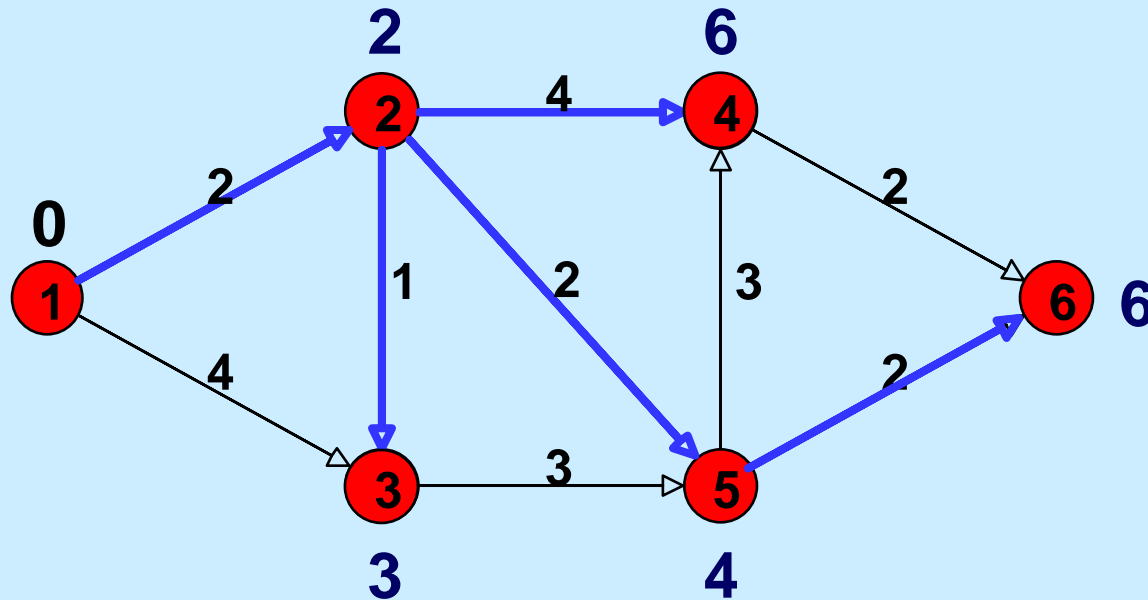
---



There is nothing to update

# End of Algorithm

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**All nodes are now permanent**

**The predecessors form a tree**

**The shortest path from node 1 to node 6 can be found by tracing back predecessors**