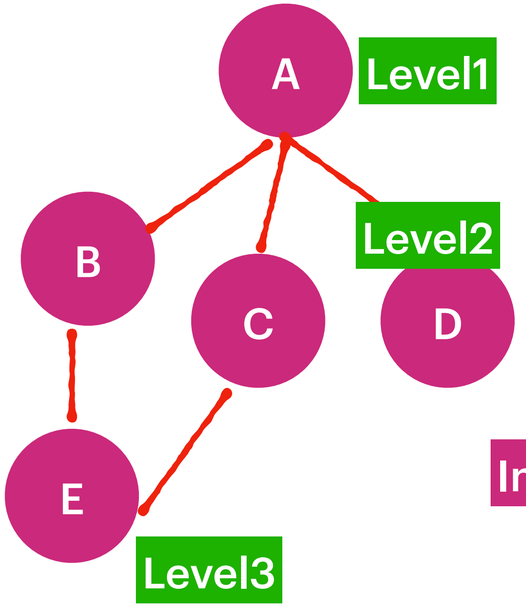
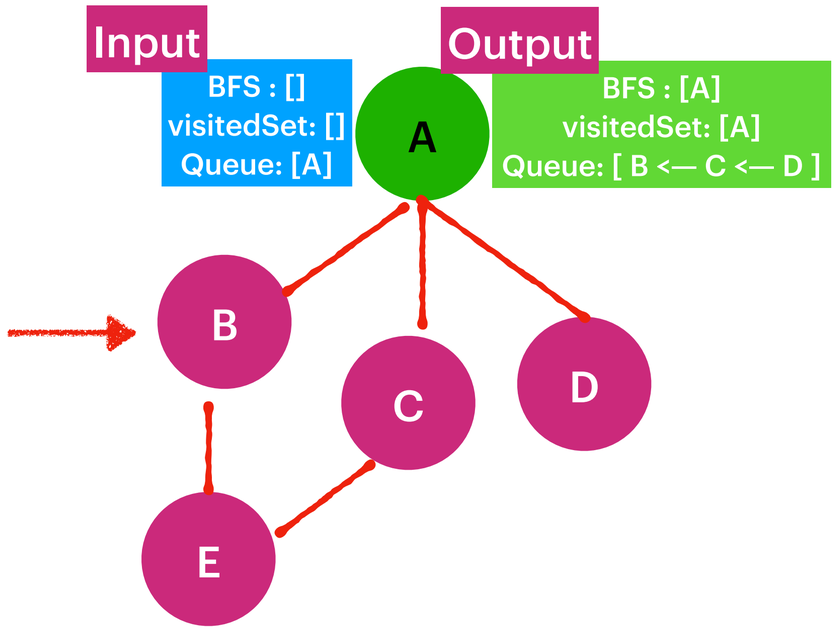
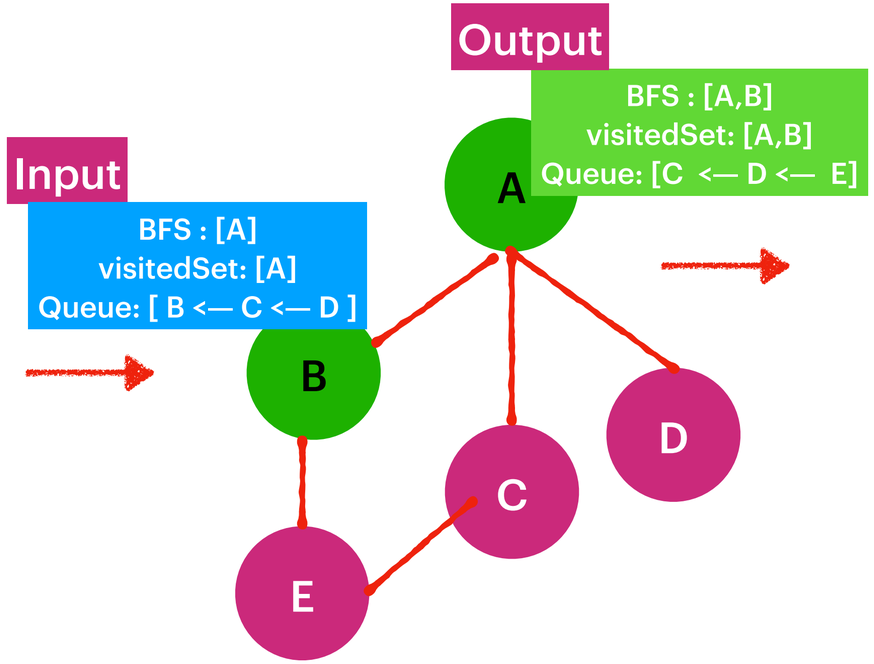
# Breadth First Search [BFS]




## Algorithm

If the Queue is not Empty.

1. Take the current QueueSize, do the following steps until currentQueue size > 0
2. Poll the vertex from Queue.
3. Add vertex to the BFSList if its not Visited.
4. Mark the vertex as Visited.
5. Add the vertex connections to the Queue If they are not visited.

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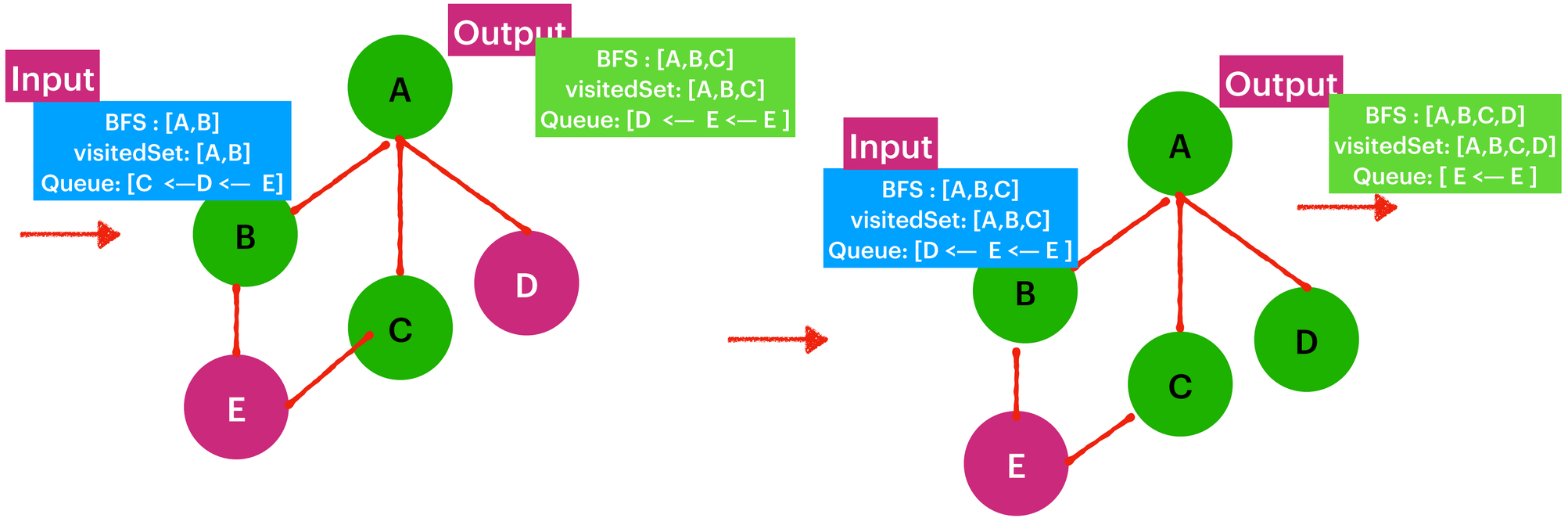


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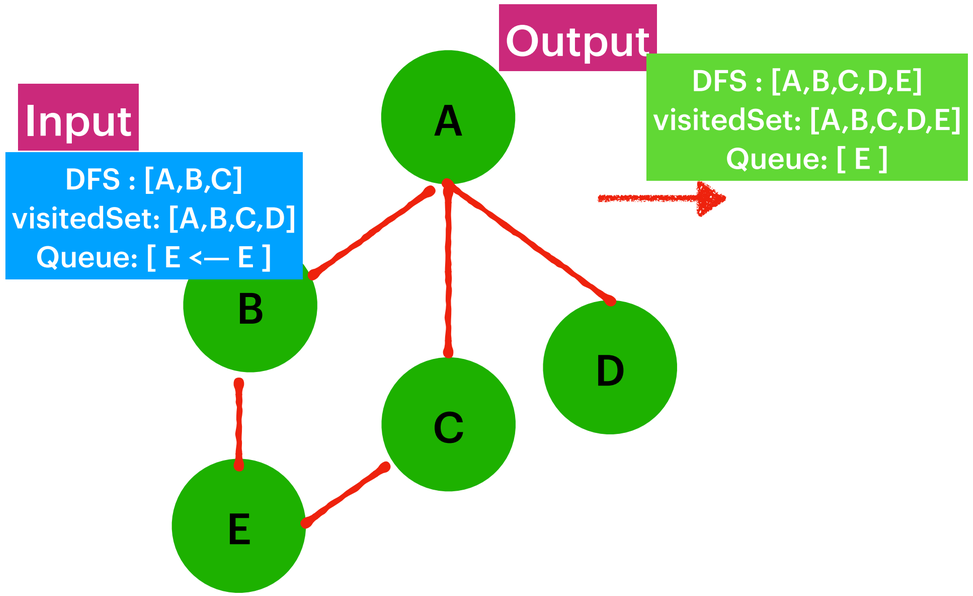


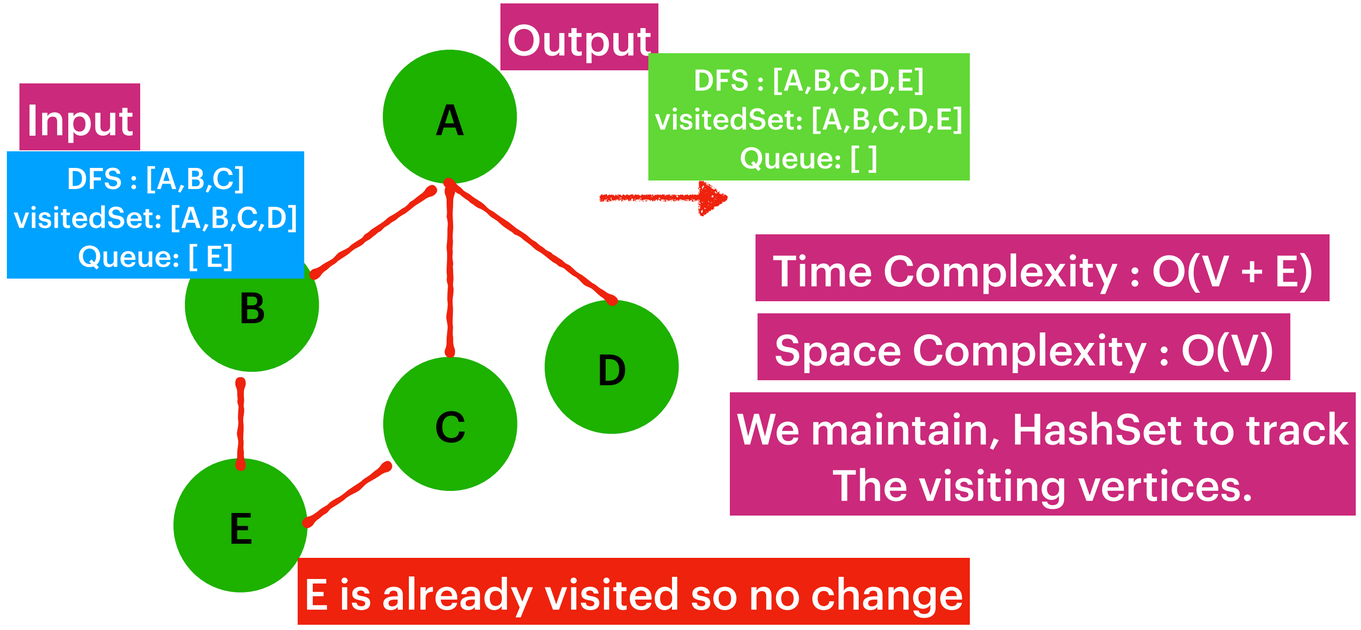


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As the Graph is Bidirectional, we end Up in cyclic loop if we don't maintian Visited notes in the Set.