Prim's Algorithm

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What is Prim's Algorithm ?

PRIM'S ALGORITHM

Prim's algorithm is a minimum spanning tree algorithm that takes a graph as input and finds the subset of the edges of that graph which

form a tree that includes every vertex
has the minimum sum of weights among all the trees that can be formed from the graph

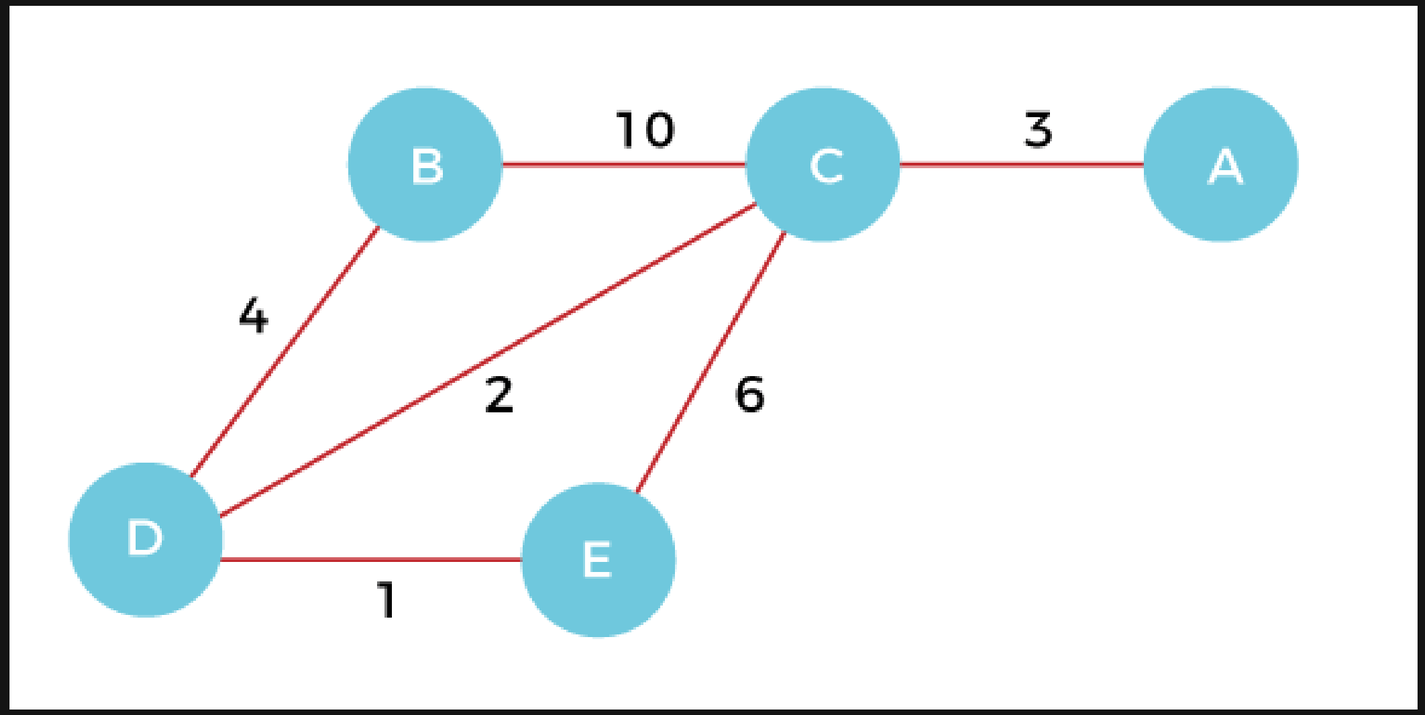
HOW DOES THE PRIM'S ALGORITHM WORK?

Prim's algorithm is a greedy algorithm that starts from one vertex and continue to add the edges with the smallest weight until the goal is reached.

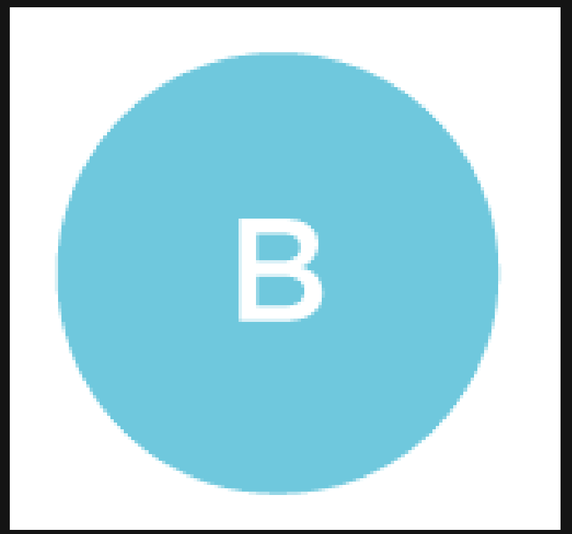
THE APPLICATIONS OF PRIM'S ALGORITHM

- NETWORK DESIGNING
- NETWORK CYCLES
- ELECTRICAL WIRING CABLES

EXAMPLE:

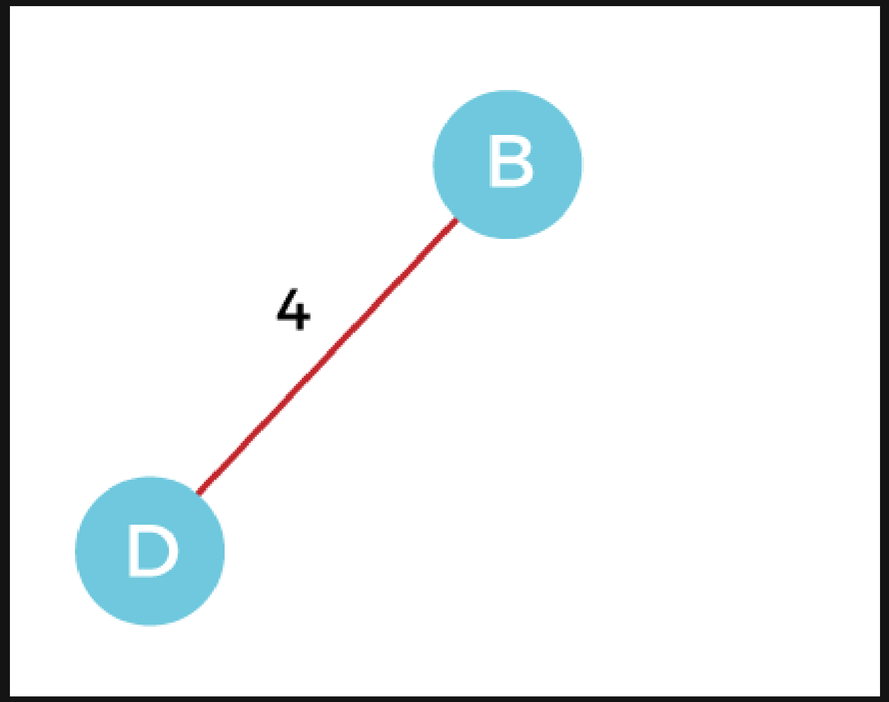


Step 1

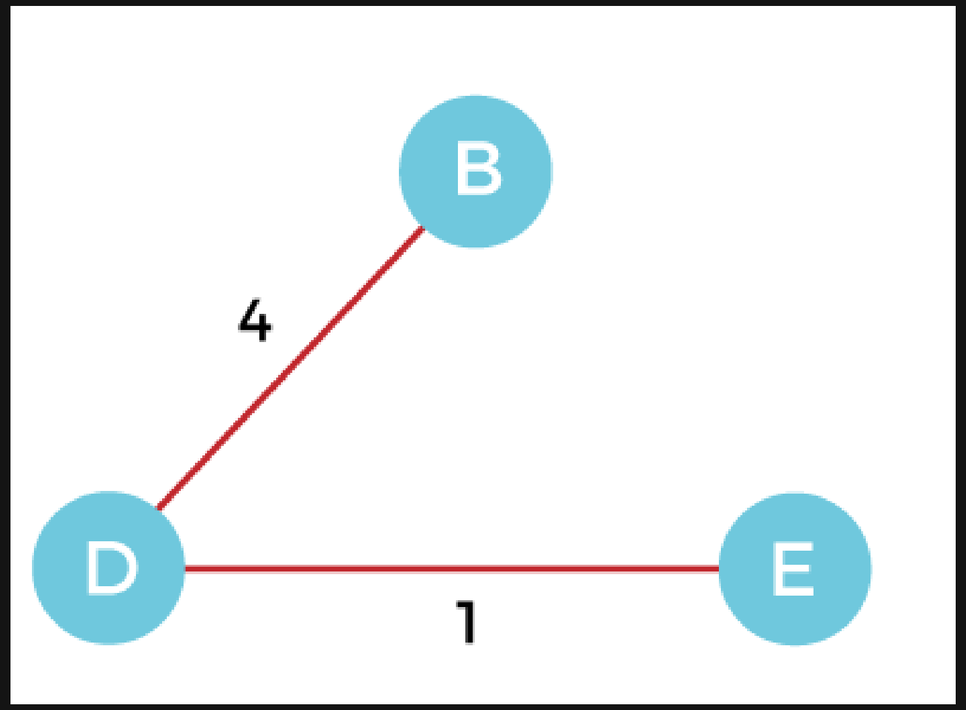


EXAMPLE:

Step 2

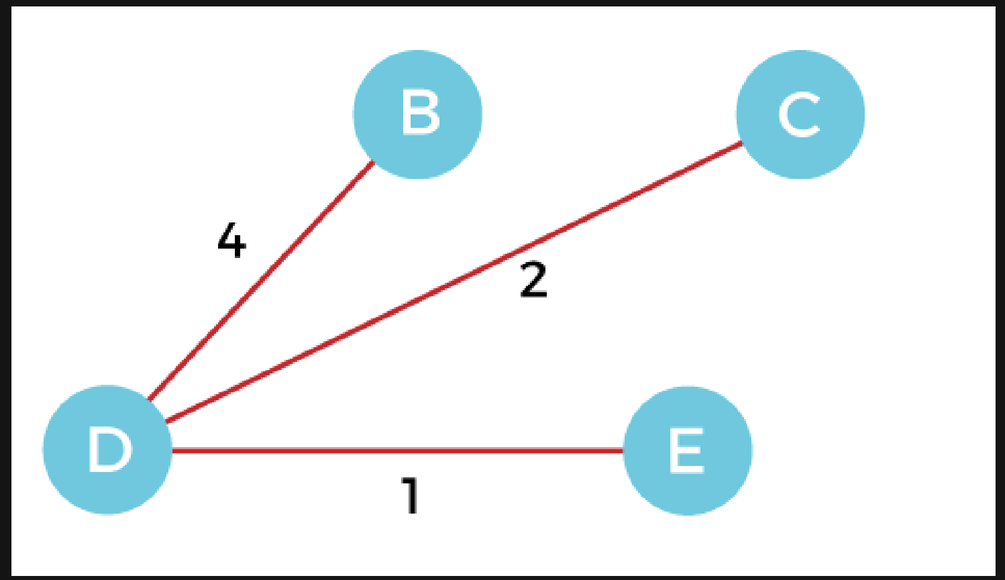


Step 3

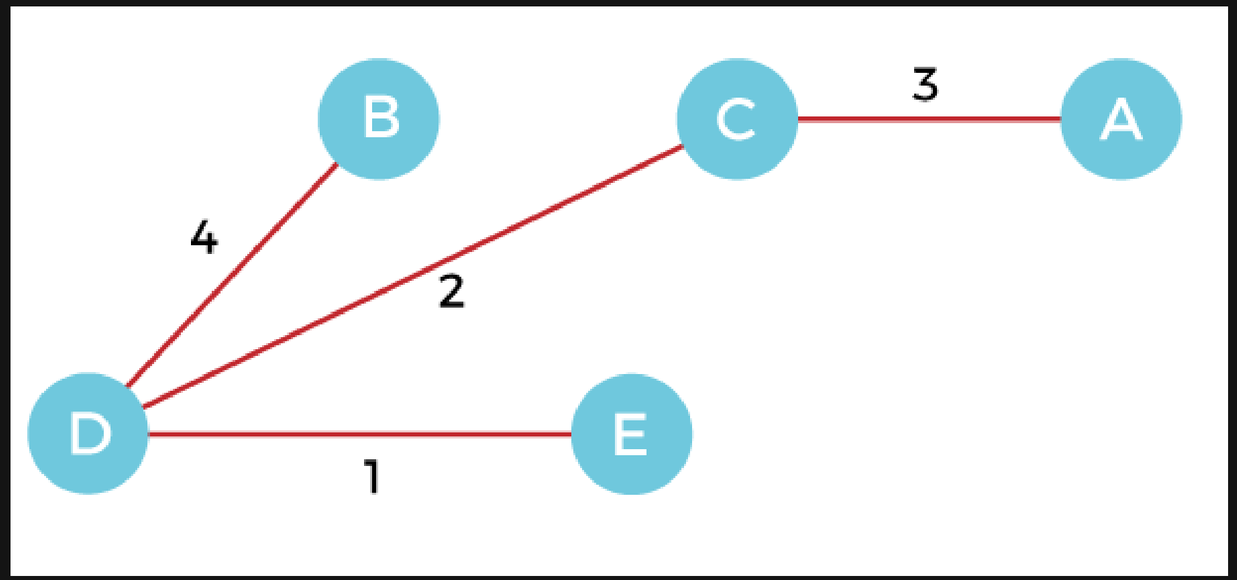


EXAMPLE:

Step 4



Step 5



THANK YOU!