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Random_Min_Cut

Algorithm:

1.Pick a random edge

2.contract edge(combine u and v into a supernode)

3.remove self loop

4.repeat until 2 supernodes remain.

Method:

At first take a graph input edge list in vector pair and then make a adjacency list from that edge list . Use DSU unite function to combine u and v into a supernode.Then select a edge and the two adjacency nodes of that edge is merged in a new supernode and push that supernode in parent array. To remove self loop, if the parent of any node is same ,then we won't push that node in the parent array.