Minimum Random Cut

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Step-by-Step Algorithm:

- At first, an adjacency list was taken based on the edges taken as input.
- Then we find the maximum node value, so that if we take a supernode , we allocate the increased value of that node as new node.
- Now, each time we take an edge randomly, we are removing that edge; that is, we are checking the first element of the pair if it equals node1 and node 2, and we are updating that node as the new node, else we are checking the second pair.
- After that, by pushing the new edges into the new list, we are updating or allocating the previous list with the new one.
- At the end, we are printing the edges and the minimum cut from them.
- To be mentioned the loop will continue until the graph contains two nodes.