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1. First, we set up a randomized algorithm, to select a random edge which will be used to find the minimum cut in the graph.
2. We begin by initializing a random number generator for this.
3. Then the program reads an integer `n`, which represents the number of edges to input.
4. It stores these edges in a vector, where each edge connects two vertices, `u` and `v`.
5. A loop runs to capture all the edge connections from the user input.
6. The main logic starts a `while` loop to repeatedly attempt graph contractions.
7. Inside that loop, it randomly picks one edge index `s` from the current vector.
8. It identifies the two vertices (`u` and `v`) connected by that specific random edge.
9. The code then iterates through all other edges to check if they are connected to vertex `u`.
10. The intention is to merge vertex `u` into `v` to contract the graph.
11. The contraction process would repeat until the graph is reduced to just two vertices revealing the cut size.