Algorithm Find the minimum cost to connect n ropes

```
1: function Connect_Ropes(Arr)
2:
      for i = 1:N do
          min\_heap.push(a[i])
3:
      cost \leftarrow 0
4:
      while min\_heap.size > 1 do
5:
          min\_element \leftarrow min\_heap.top, \, min\_heap.pop
6:
          second\_min\_element \leftarrow min\_heap.top, min\_heap.pop
7:
          cost + = min\_element + second\_element
8:
          min\_heap.push(min\_element + max\_element)
9:
```