HW #6

5.24:

1. For each vertex u in the element of U, find the minimum weight edge connecting to any single vertex not in U. Let this edge be minEdge[u]

2. Create a graph $G' = G$ with every 1qt vertices in U removed

3. Compute master theorem T' of G' using kruskal's

4. For each u in the element of U, add u and minEdge[u] to T''.

Runtime is $O(|E| \log |V|)$

6.1:

maxEnding = 0

maxNow = 0

for i from 1 to n:

    maxEnding = max(0, maxEnding + a[i])

    maxNow = max(maxNow, maxEnding)

return maxNow