Question1:

c

c-c

c-c-c

c-c-c-c

Question2:

(1).

Rank() = 1 / 3

Rank() = 2 / 4

Rank() = 1 / 4

Rank() = 2 / 2

Rank() = 2 / 2

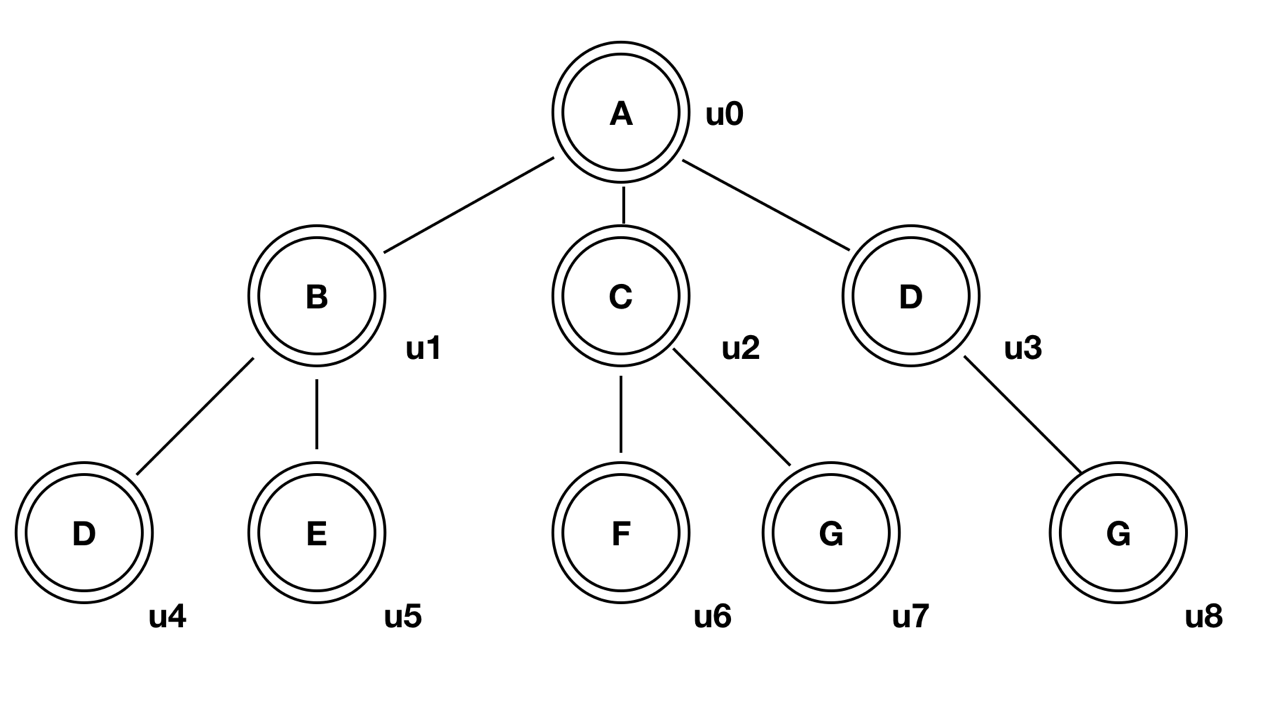
Rank() = 1 / 2

Rank() = 2 / 1

Rank() = 3 / 1

Rank() = 3 / 1

Merging the same vertices



(2).

Core: , , . ,

Forest:

Leaf: , ,

Question:

I choose seed is .

w() = 1, w() = 0.4, w() = 0.3, w() = 0.5, w() = 0.12,

w() = 0.08, w() = 0.06, w() = 0.3, w() = 0.05, w() = 0.024

the maximum sum is 2.824