Problem 1 (a)
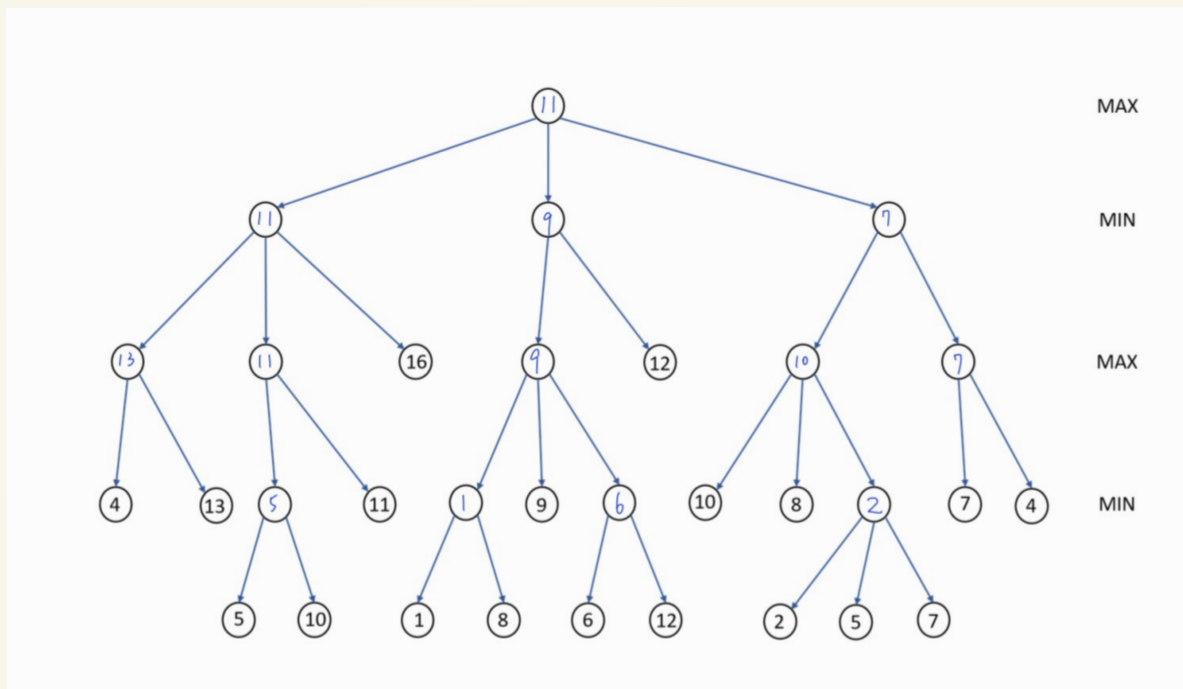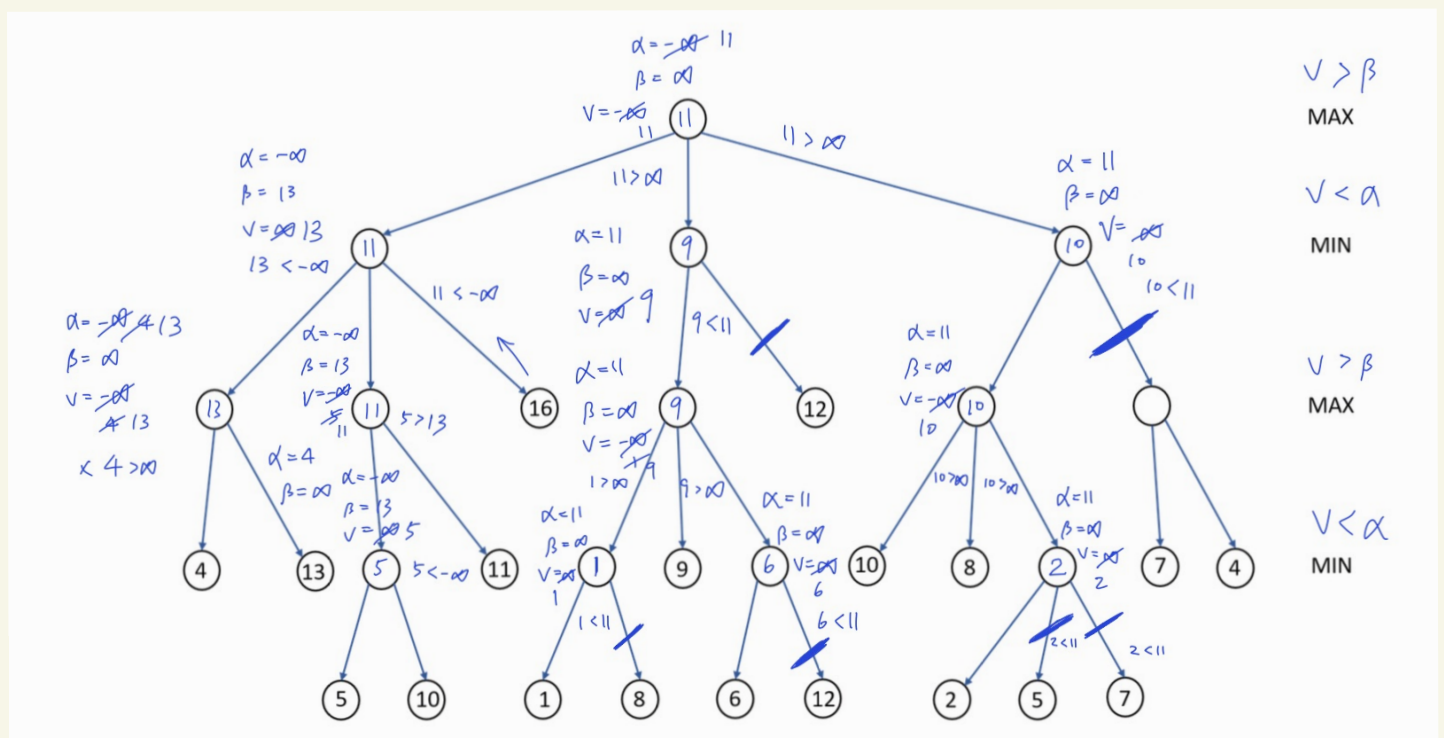

Problem 1 (b)

Problem 1 (c)

No.

Problem 2 (a)

$$C_2^n = \frac{n(n-1)}{2}$$

Problem 2 (b)

n!

Problem 2 (c) (i)

1.1+1.4+0.5=3

Problem 2 (c) (ii)

MWES : 1.1 + 0.6 + 0.5 = 2.2

EMWS : 1.4 + 1.1 + 0.7 = 3.2

SMEW : 0.9 + 1.4 + 0.6 = 2.9

WEMS : 0.6 + 1.4 + 0.9 = 2.9

WSEM : 0.7 + 0.5 + 1.4 = 2.6

WMSE : 1.1 + 0.9 + 0.5 = 2.5

Problem 2 (c) (iii)

2.2 < 2.5 < 2.6 < 2.9 < 3.2

→ MWES

Problem 2 (c) (is)

WMES → MWES → MWES → MSEW

total length = 2.0