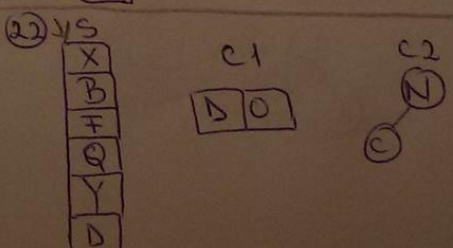
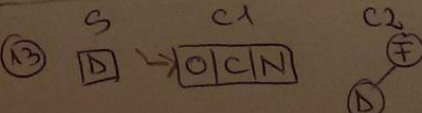
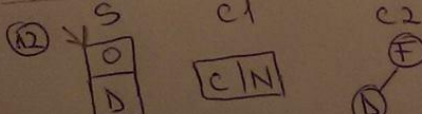
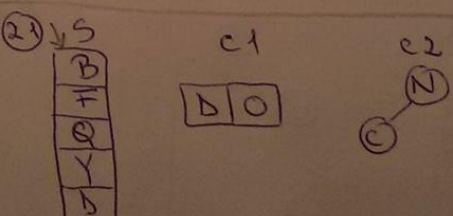
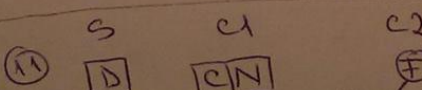
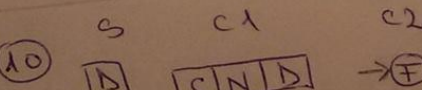
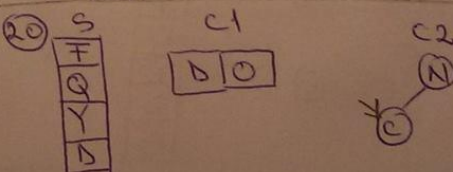
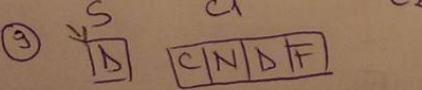
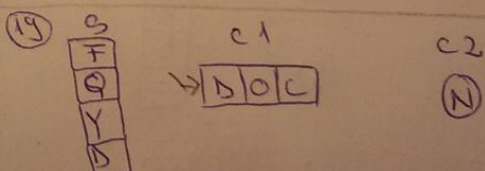
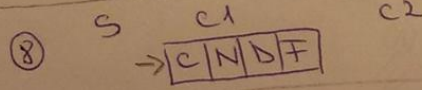
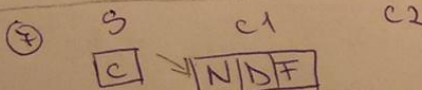
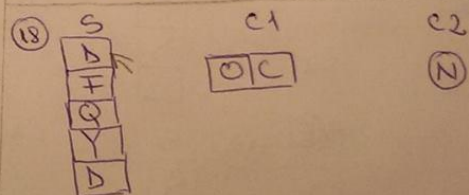
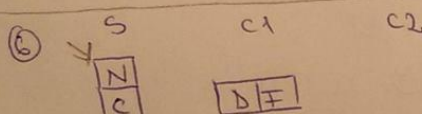
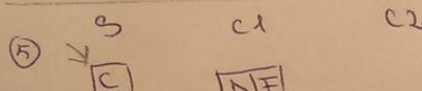
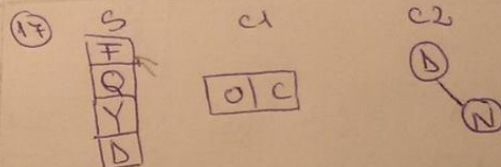
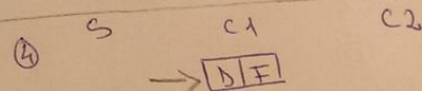
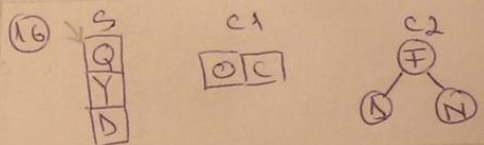
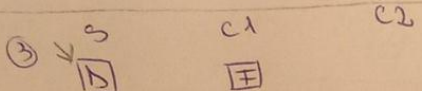
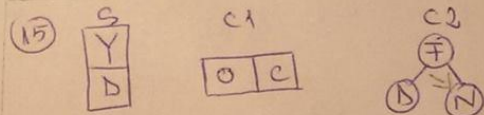
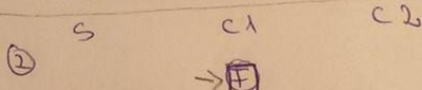
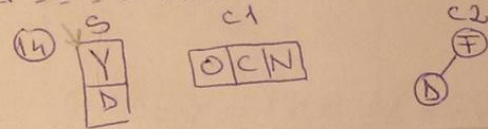
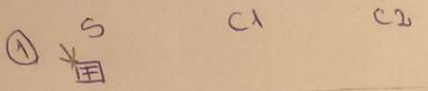
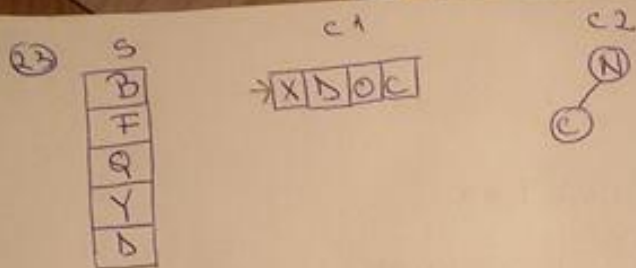


Test ASD.

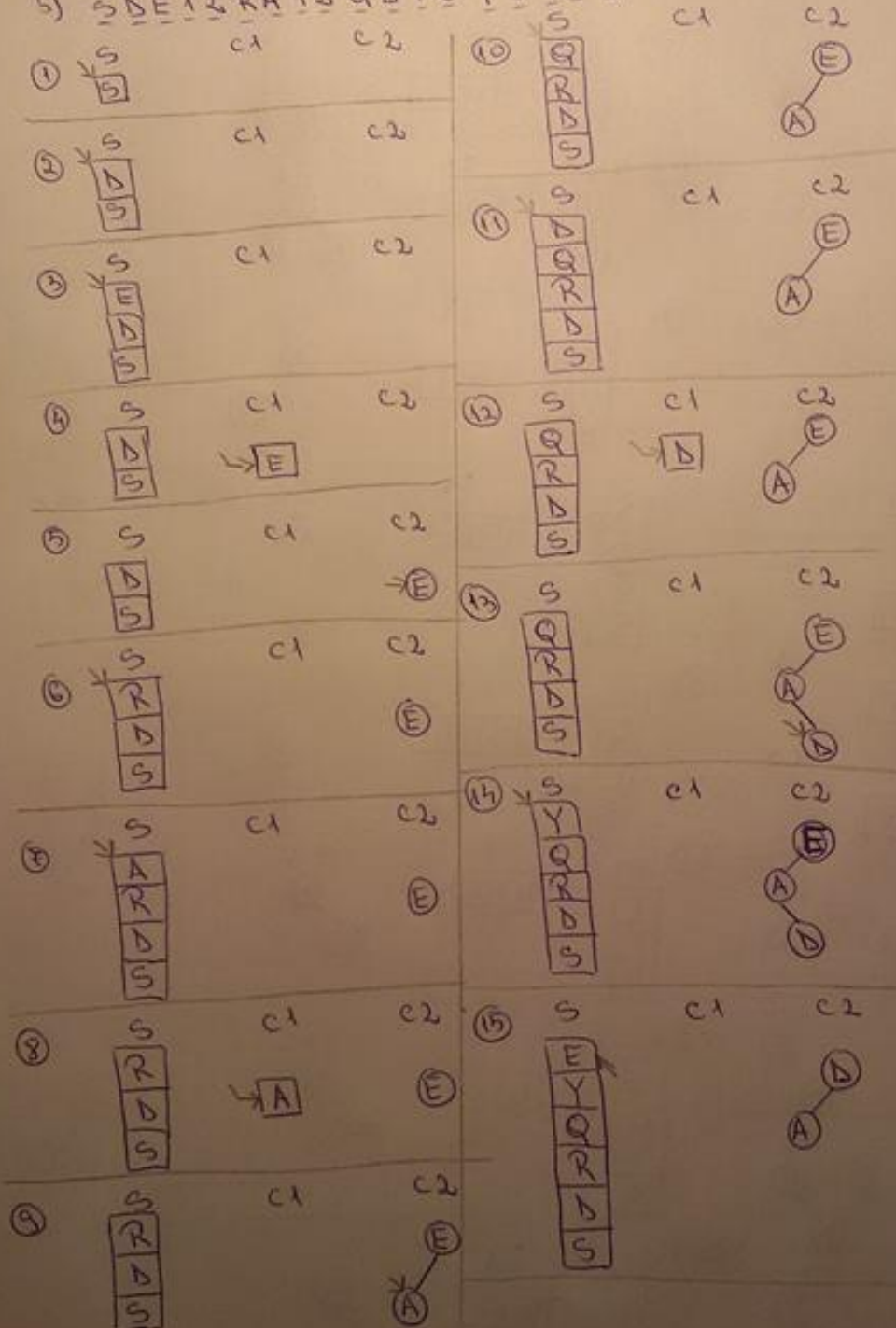
①

2) F 1 D 1 C N 1 1 D 2 2 0 1 Y 2 Q 3 3 1 2 B X 1





b) S D E 1 2 R A 1 2 Q D 1 2 Y 3 3 3 R



(16)

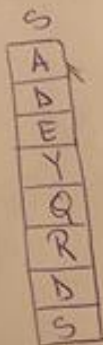


C1

C2

(A)

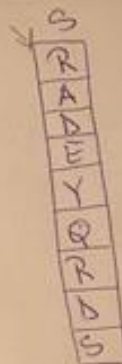
(17)



C1

C2

(18)

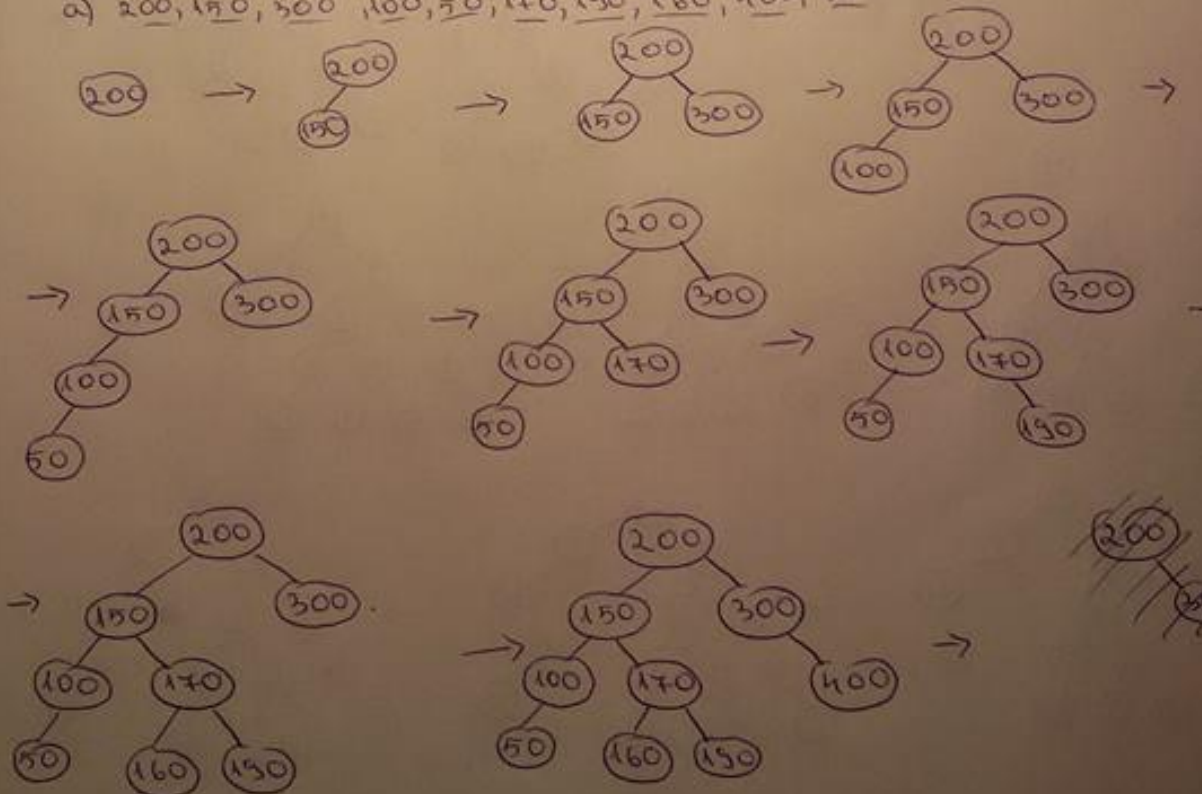


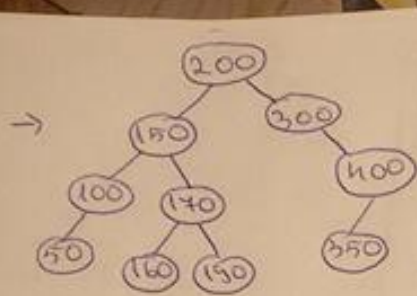
C1

C2

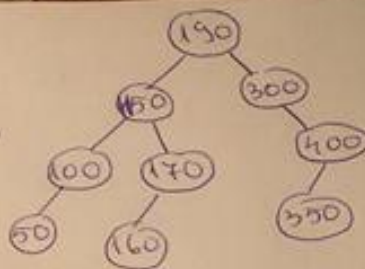
(2)

a) 200, 150, 300, 100, 50, 170, 190, 160, 400, 350

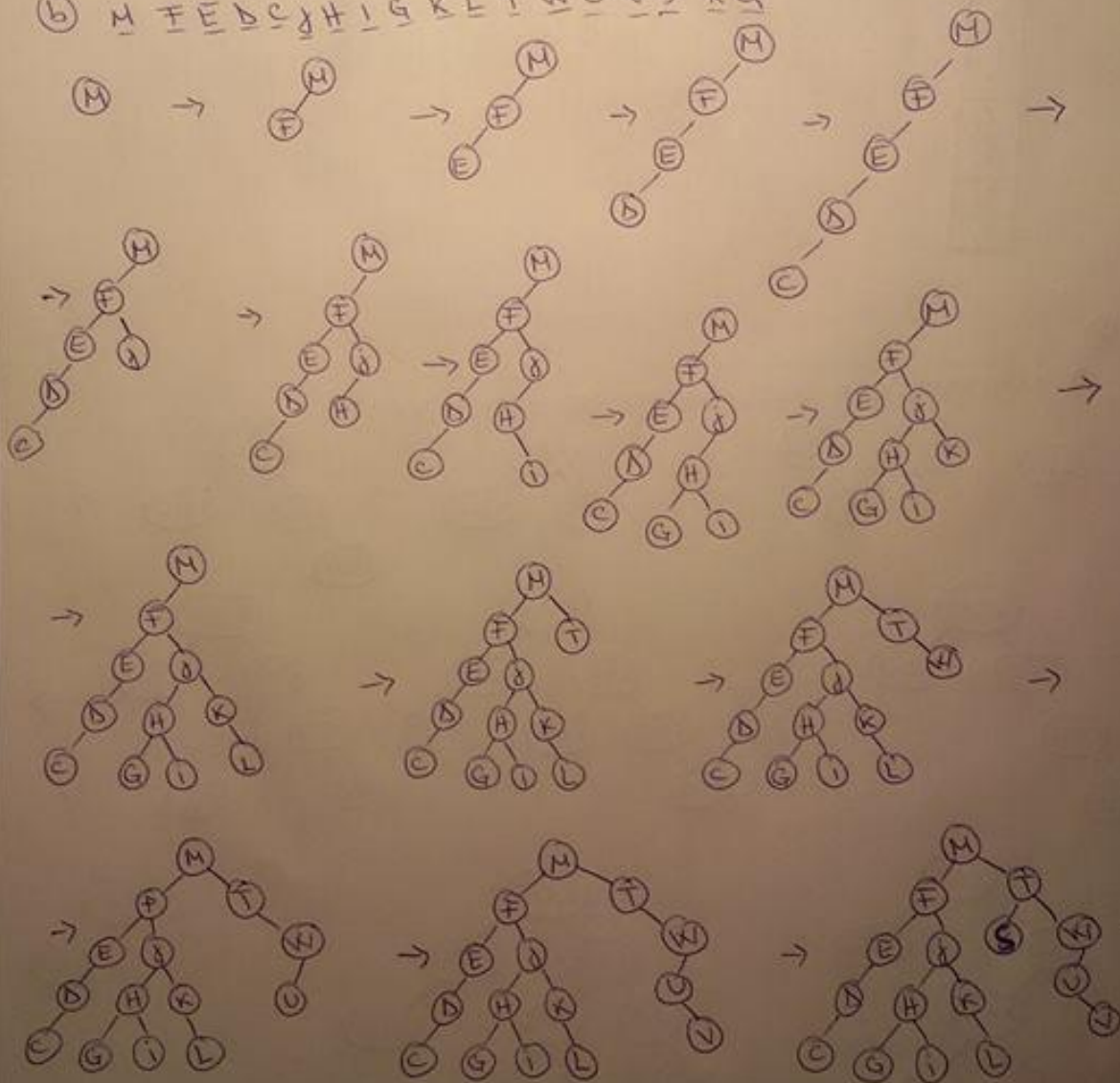


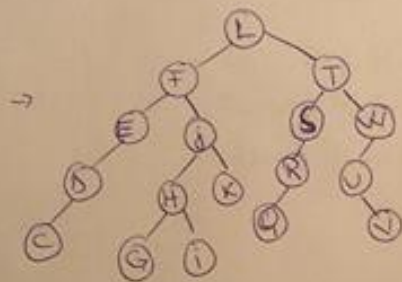
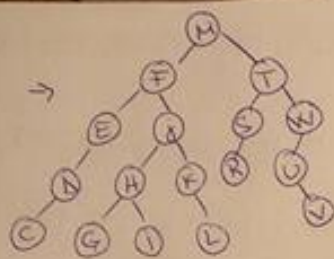


decapitare



b) M F E D C J H I G K L T W U V S R Q





- 3)
- a)
- 34 --- 0 Nu este gir de căutare intrucât
 - 23 --- 1 arborele are înălțimea mai mică decât
 - 14 25 --- 2 numărul nodurilor - 1 ($4 < 5$)
 - 18 30 --- 3
 - 22 --- 4

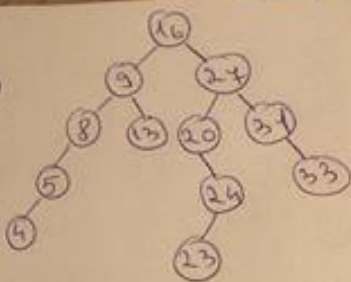
- b)
- 21 --- 0
 - 5 --- 1 Este gir de căutare intrucât arborele
 - 17 --- 2 are înălțimea egală cu numărul
 - 41 --- 3 nodurilor - 1 ($6 = 6$)
 - 15 --- 4
 - 12 --- 5
 - 14 --- 6

4) b) 22, 33, 44, 66, 55, 44, 77

c) 22, 44, 33, 11, 55, 66, 77

5

a)

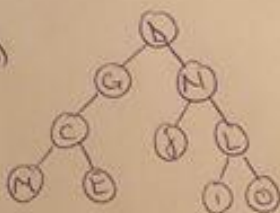


RSB: 16, 9, 8, 5, 4, 13, 24, 20, 26, 23, 31, 33

SRB: 4, 5, 8, 9, 13, 16, 20, 23, 24, 26, 31, 33

SBR: 4, 5, 8, 13, 9, 23, 24, 20, 33, 31, 26, 16

b)



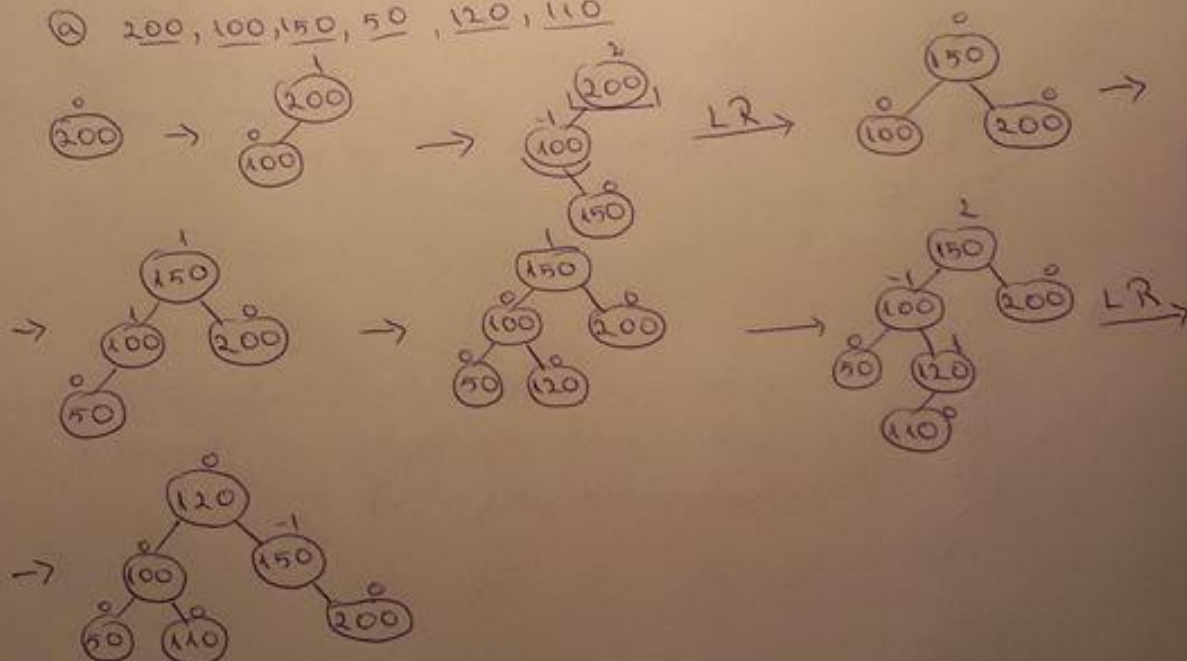
RSB: D, G, C, M, E, N, J, L, I, O

SRB: M, C, E, G, D, J, N, I, L, O

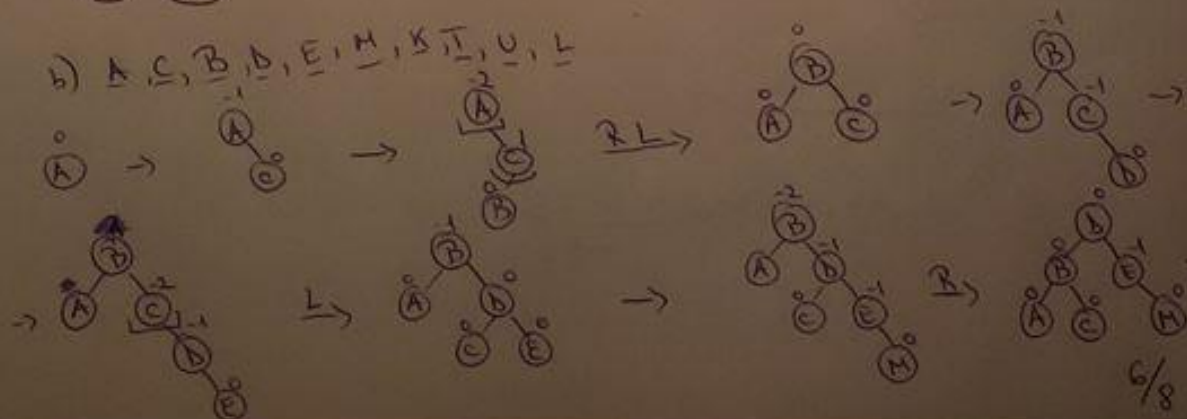
SBR: M, E, C, G, J, I, O, L, N, D

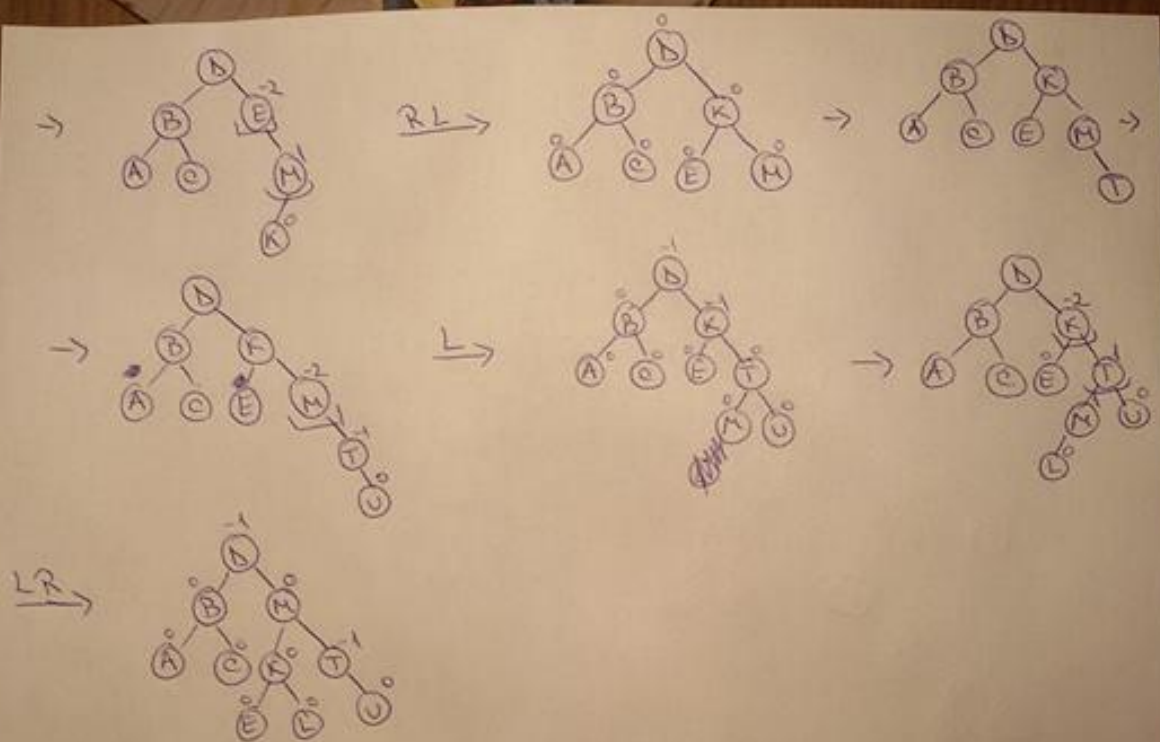
6

a) 200, 100, 150, 50, 120, 110

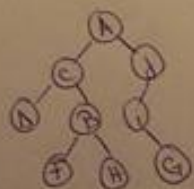


b) A, C, B, D, E, M, K, T, U, L





7) RSB: A C D B F H J I G
 SRB: D C F B H J A I G



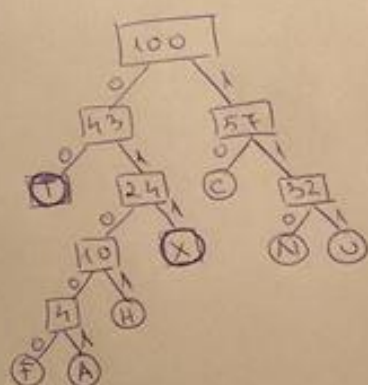
8)

1	3	6	14	15	17	19	25
F	A	H	X	N	U	T	C
4	6	14	15	17	19	25	
F A	H	X	N	U	T	C	
10	14	15	17	19	25		
F A H	X	N	U	T	C		
15	17	19	24	25			
N	U	T	F A H X	C			

19 24 25 32
T FAHX C NU

25 32 43
C NU FAHXT

43 57 ~~FAHXT~~
FAHXT BNUC



T-00
X-011
H-0101
F-01000
A-01001
C-10
N-110
U-111

HNTNCF A H \rightarrow 0101 110 00 110 10 01000 01001 0101

③ a) $T(n) = 2T(\frac{n}{2}) + O(n^2)$

$a=2$
 $b=2$
 $d=2$
 $2 < 4 \Rightarrow T(n) = O(n^2)$

b) $T(n) = 2T(\frac{n}{2}) + O(\ln)$

$a=2$
 $b=2$
 $d=1$
 $2=2 \Rightarrow T(n) = O(\ln \log n)$