

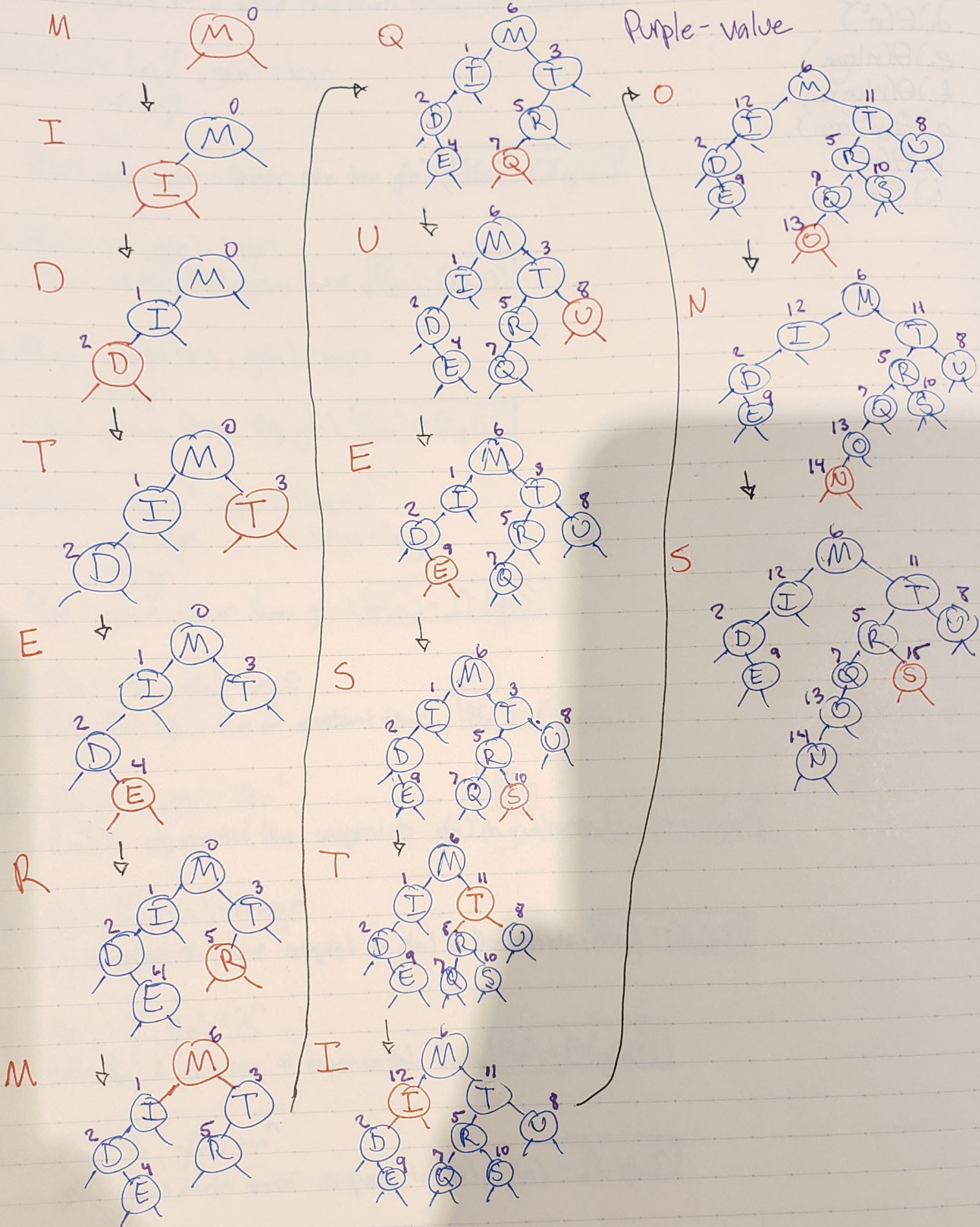
Assignment #9

2a.) MIDTERM QUESTIONS

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

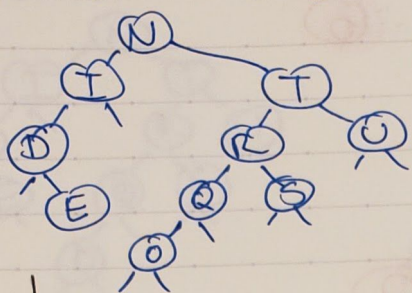
Red - node inserted/
updated

Purple - value



2b.) Deletion - Order of Insertion

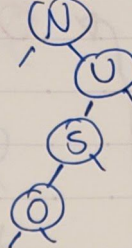
M



(M)

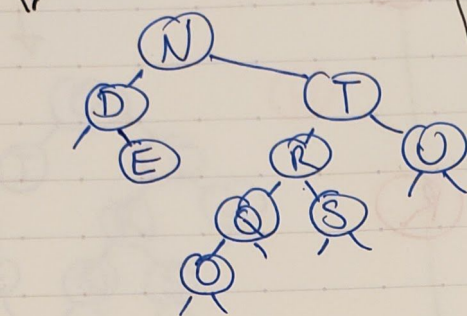
M already removed

Q



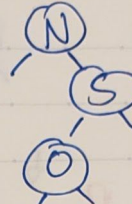
(Q)

I



(I)

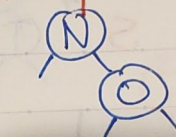
U



(U)

E already removed

S

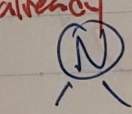


(S)

T already removed

I already removed

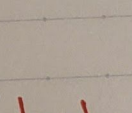
O



(O)

N

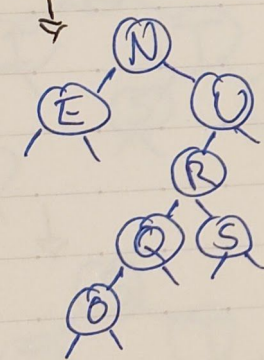
S already removed



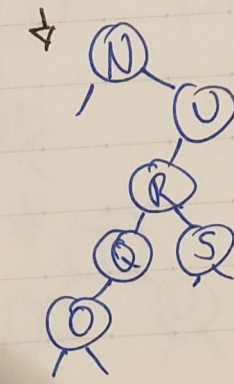
(N)

(T)

T

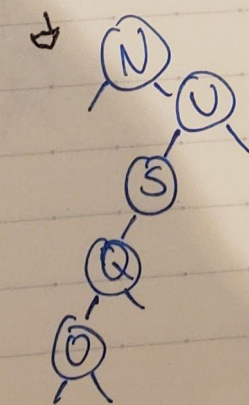


E



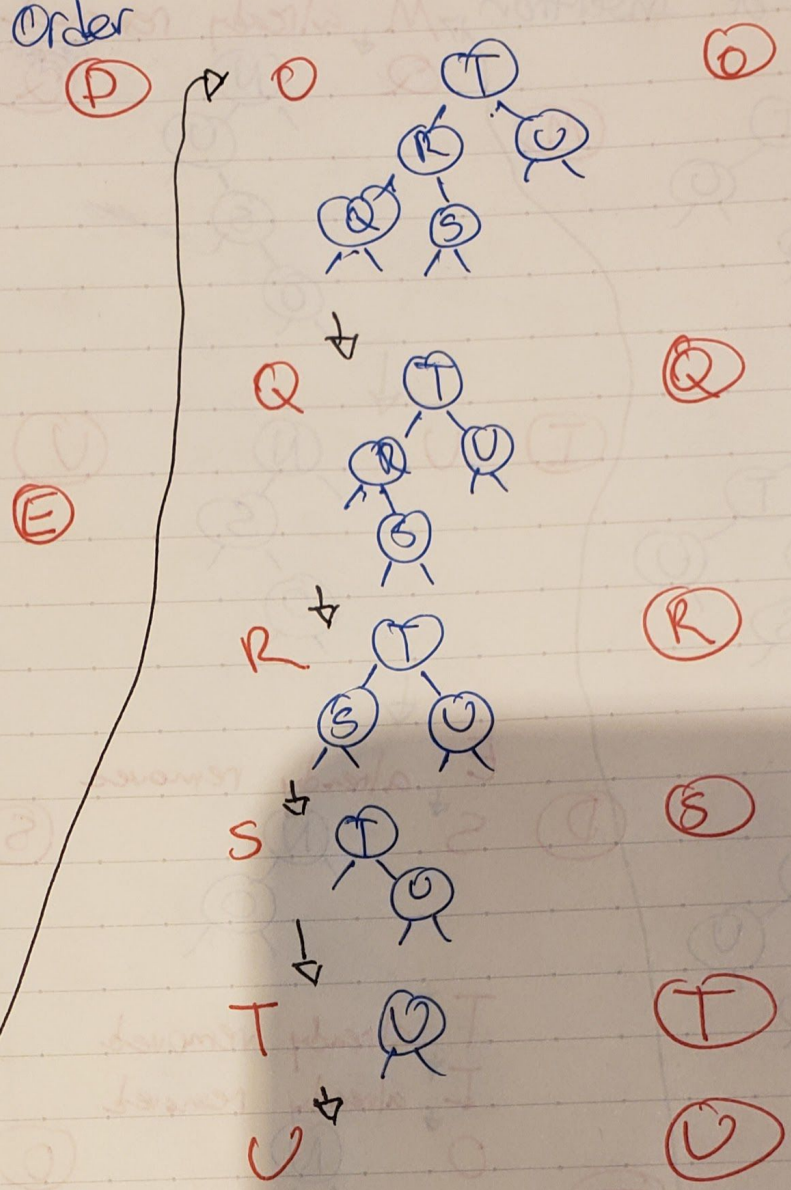
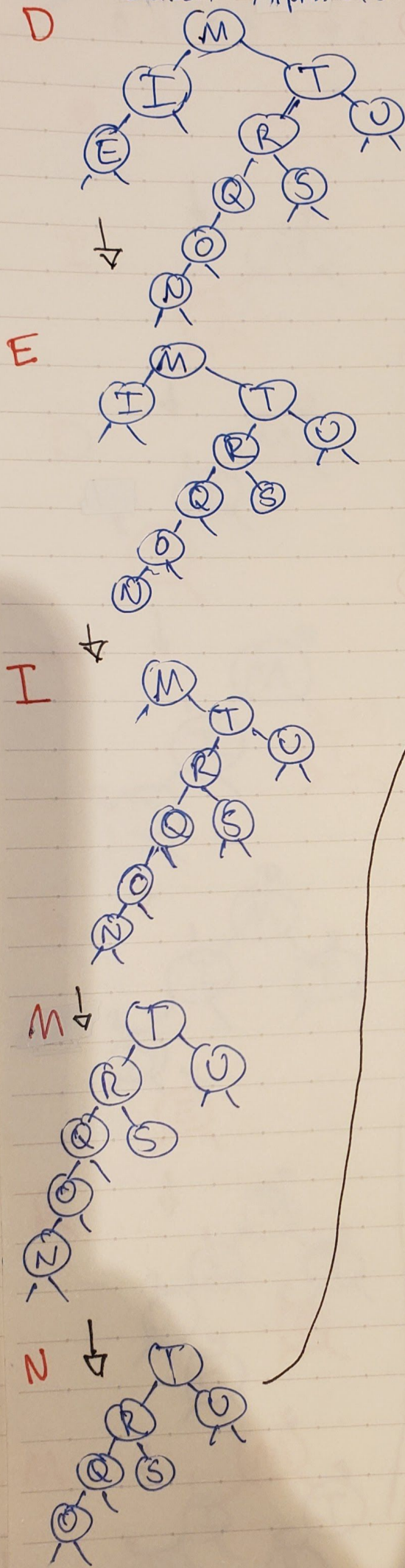
(E)

R



(R)

2c.) Deletion - Alphabetical Order

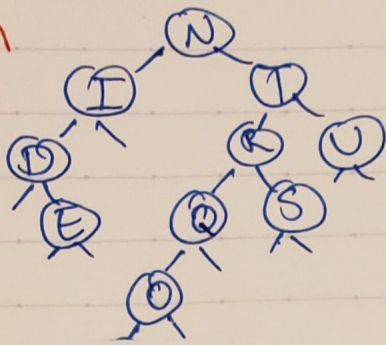


M

N

2d.) Deletion - At Root

M



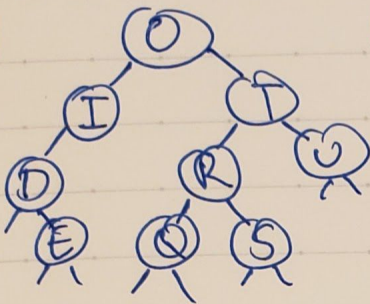
(M)

T



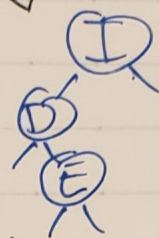
(T)

N



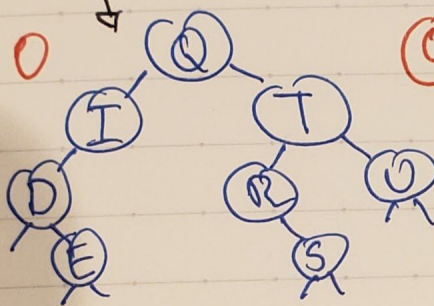
(N)

U



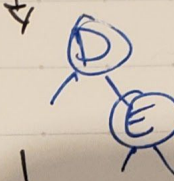
(U)

O



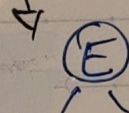
(O)

I



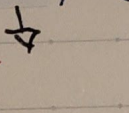
(I)

D



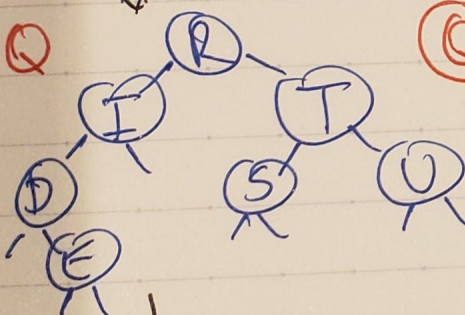
(D)

E



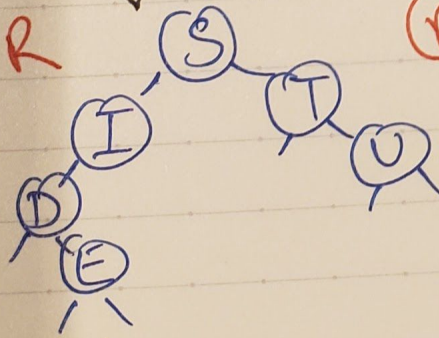
(E)

Q



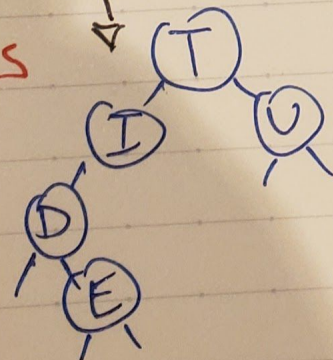
(Q)

R



(R)

S



(S)