

W II

I III

N III

T III

E III I

R III

space IIII IIII II

S III

A II

L IIIII

Y I

G II

O IIII I

period II

M I

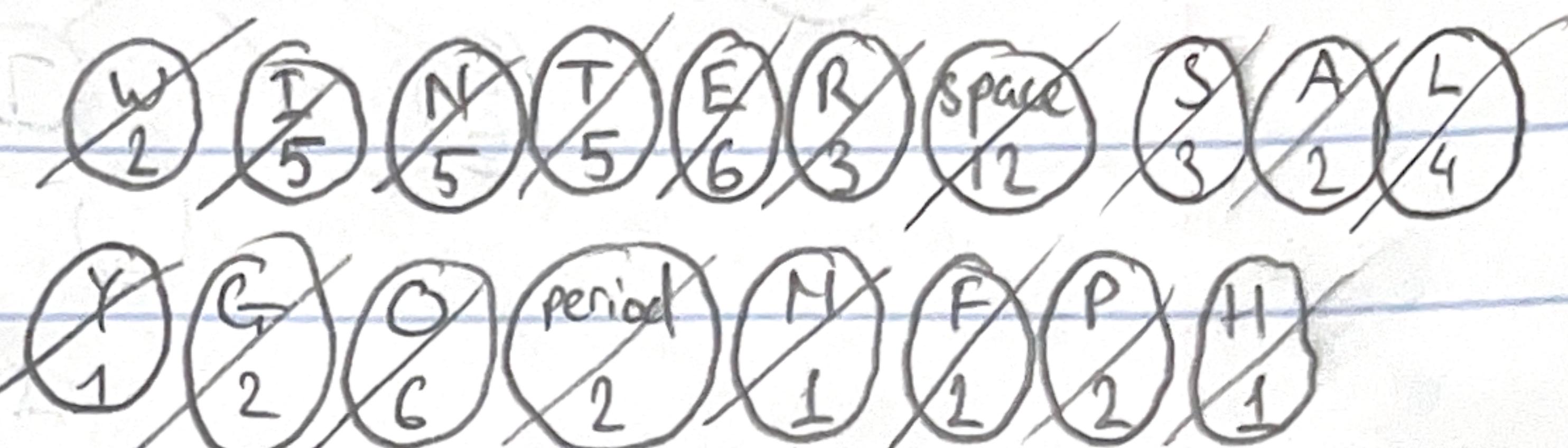
F II

P II

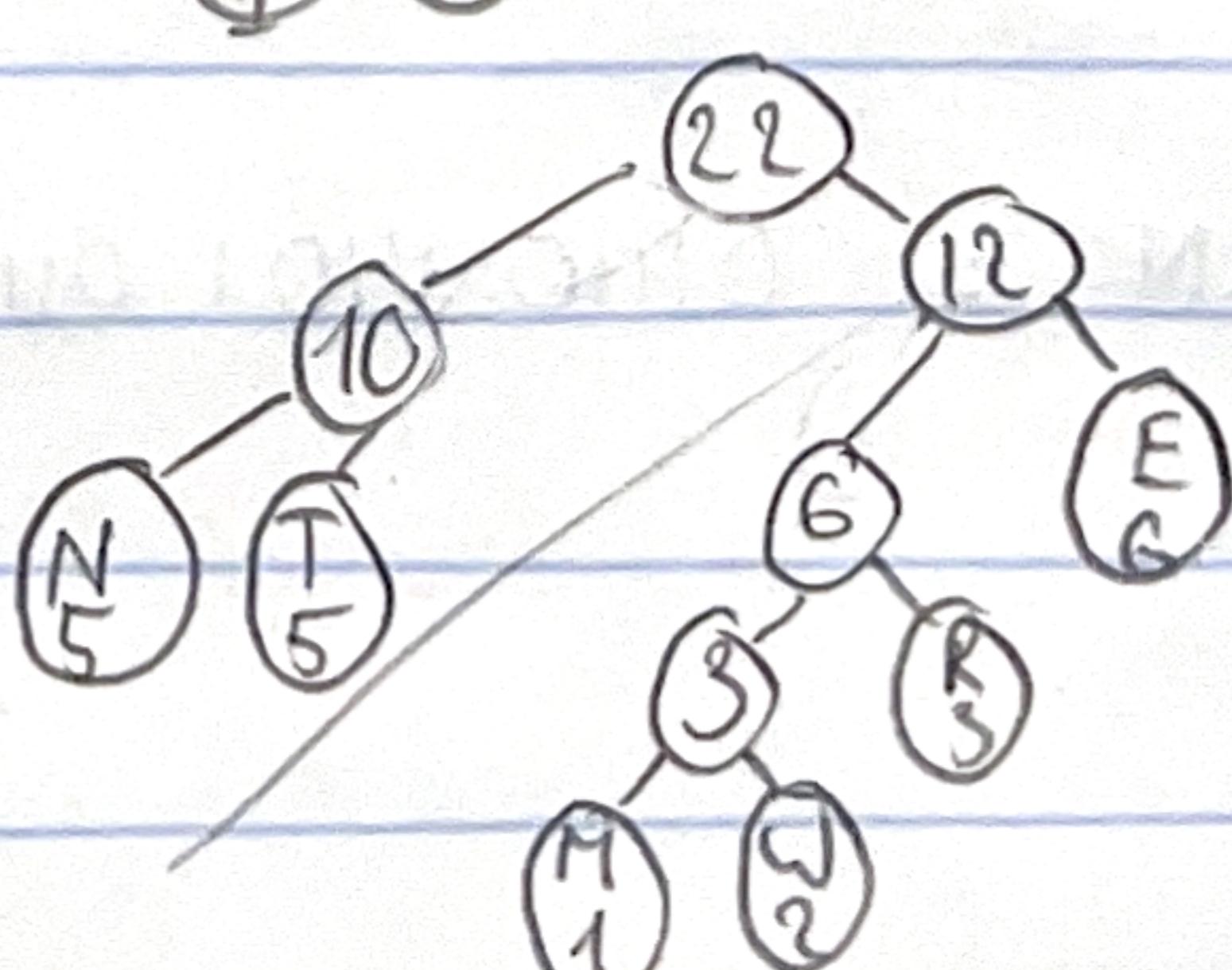
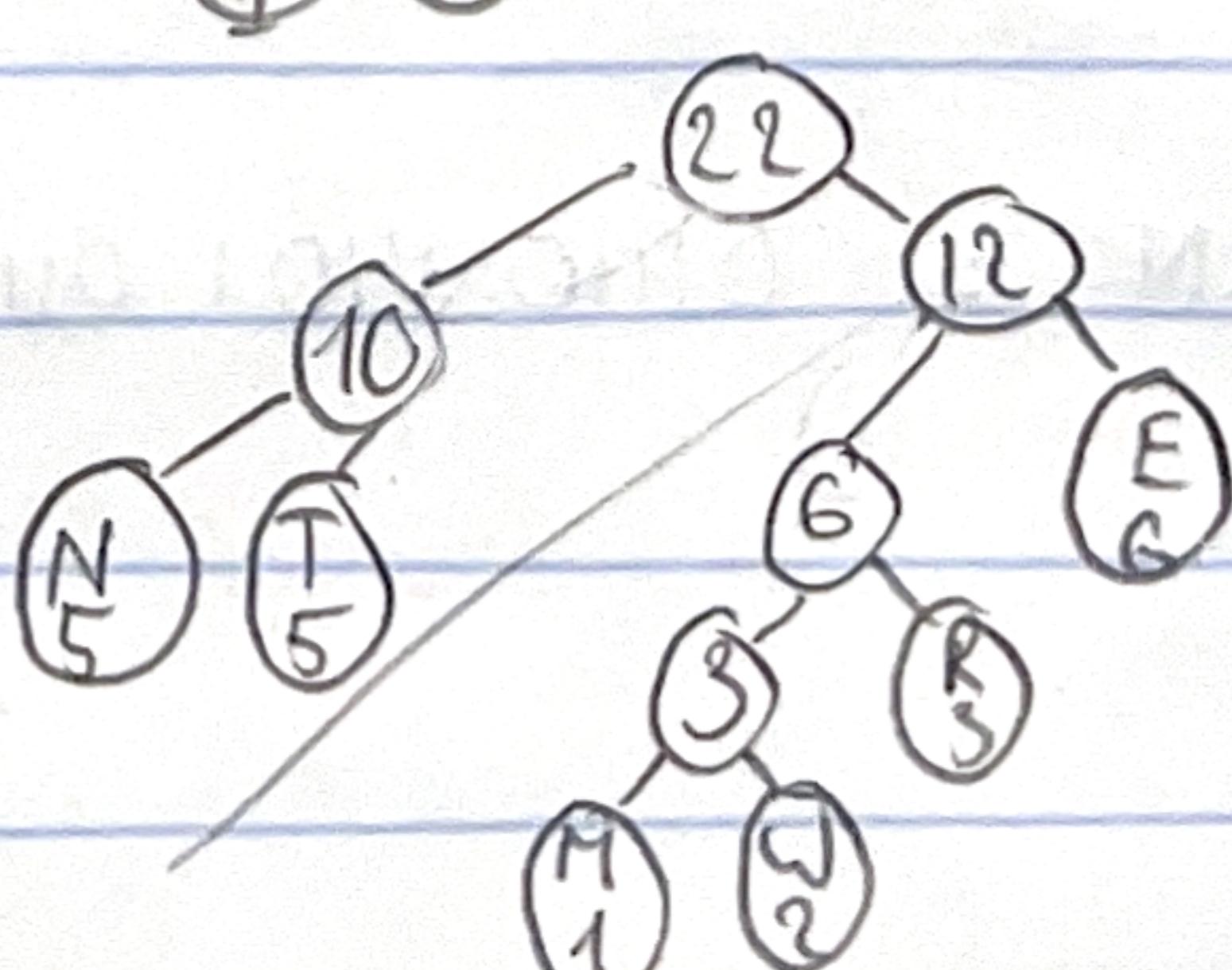
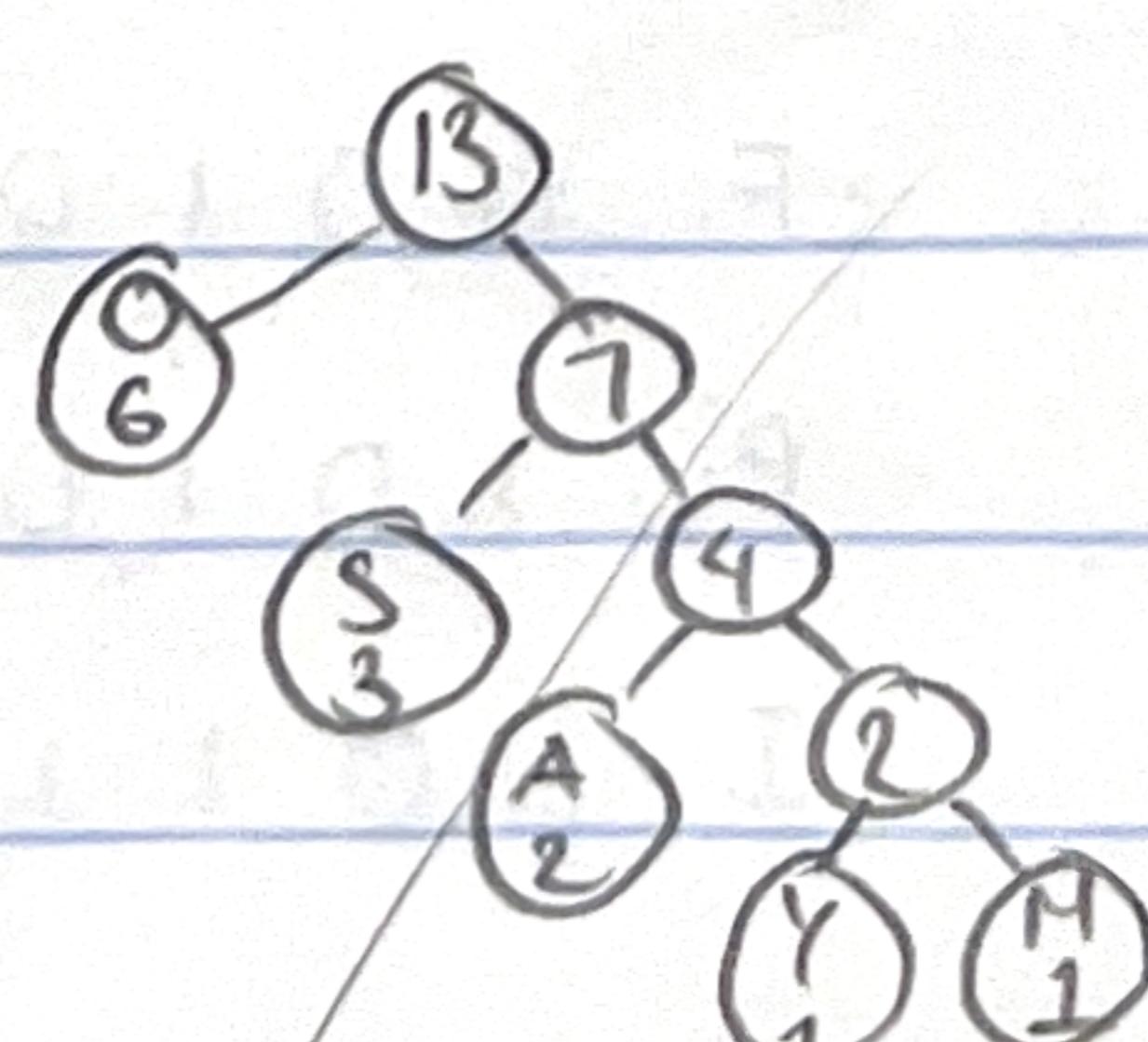
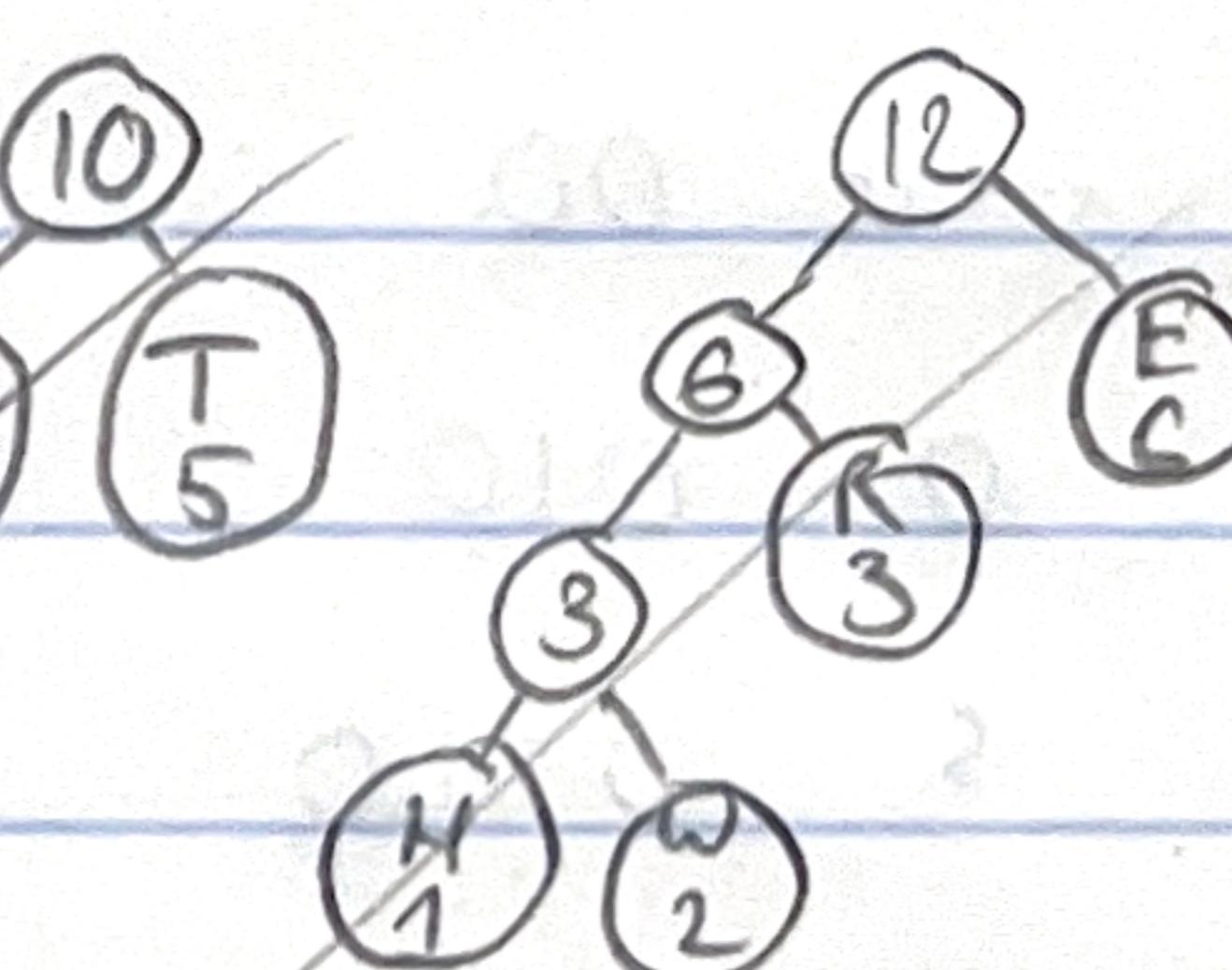
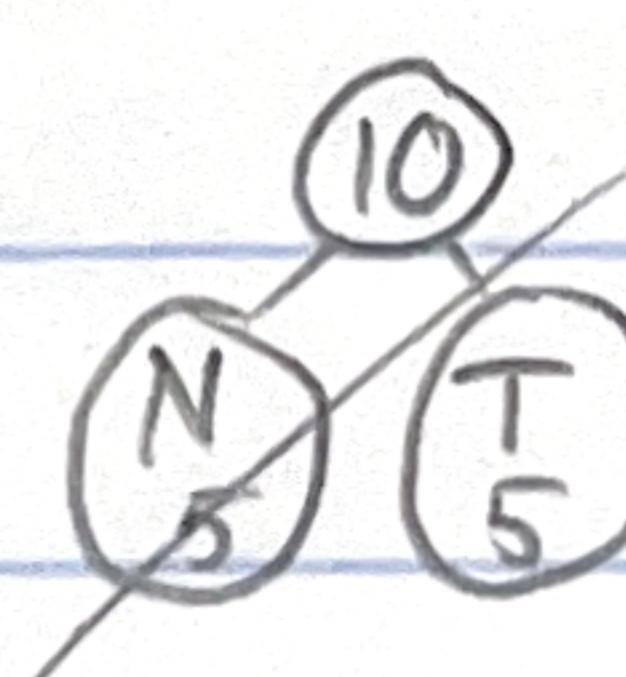
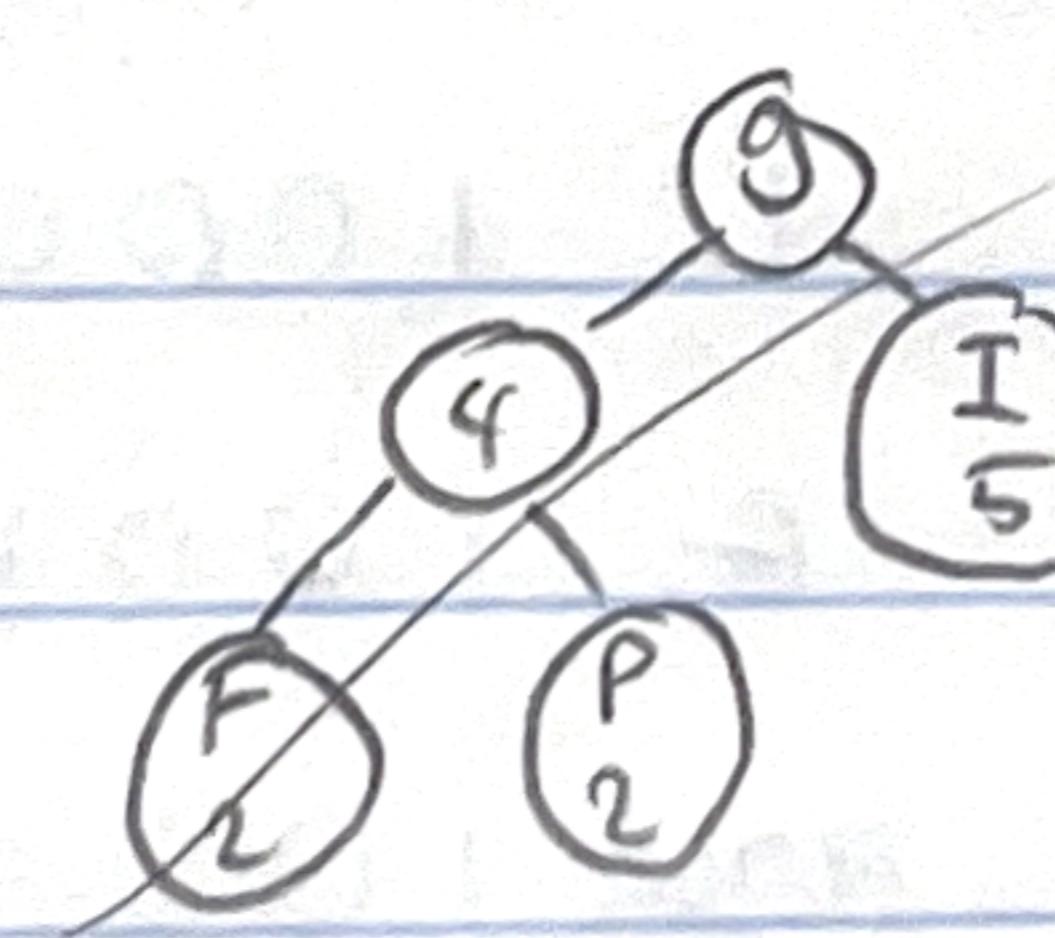
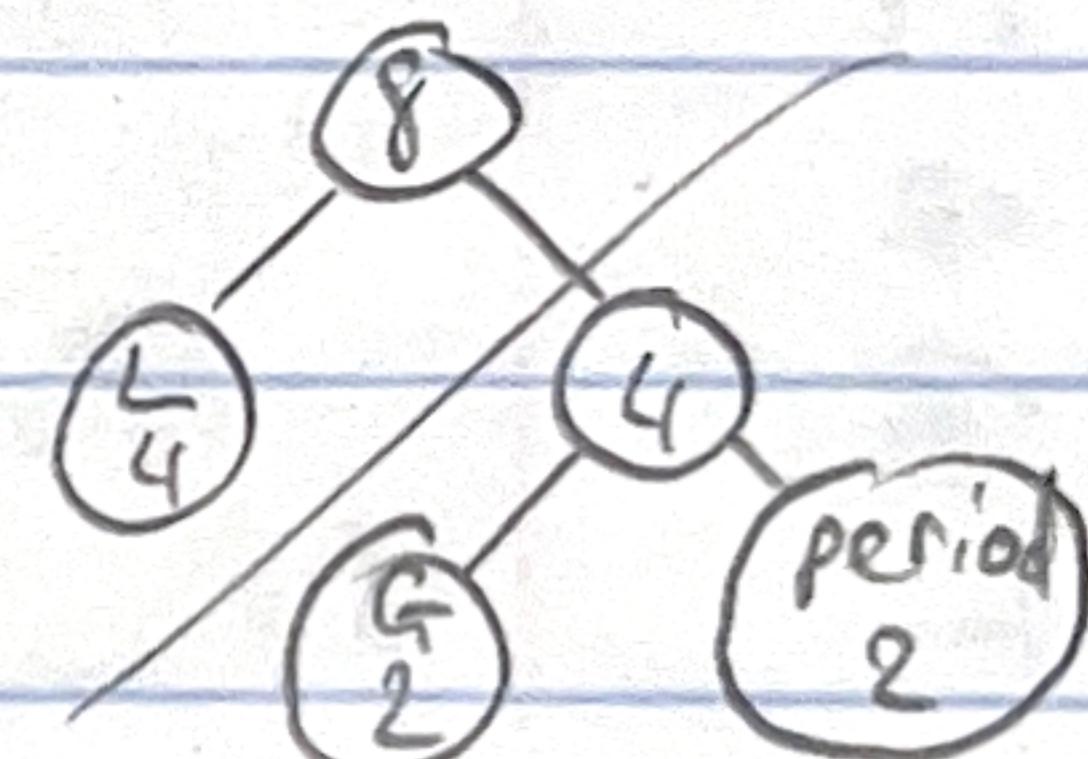
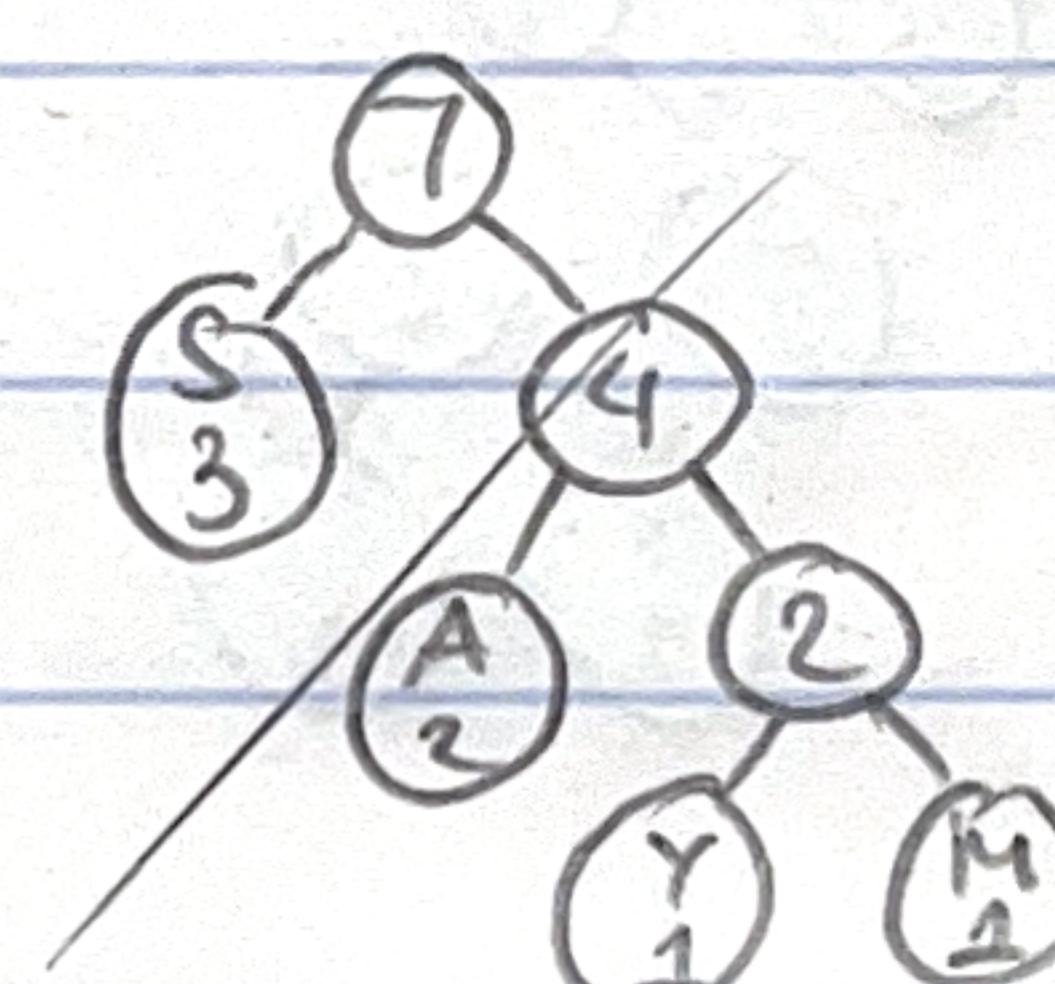
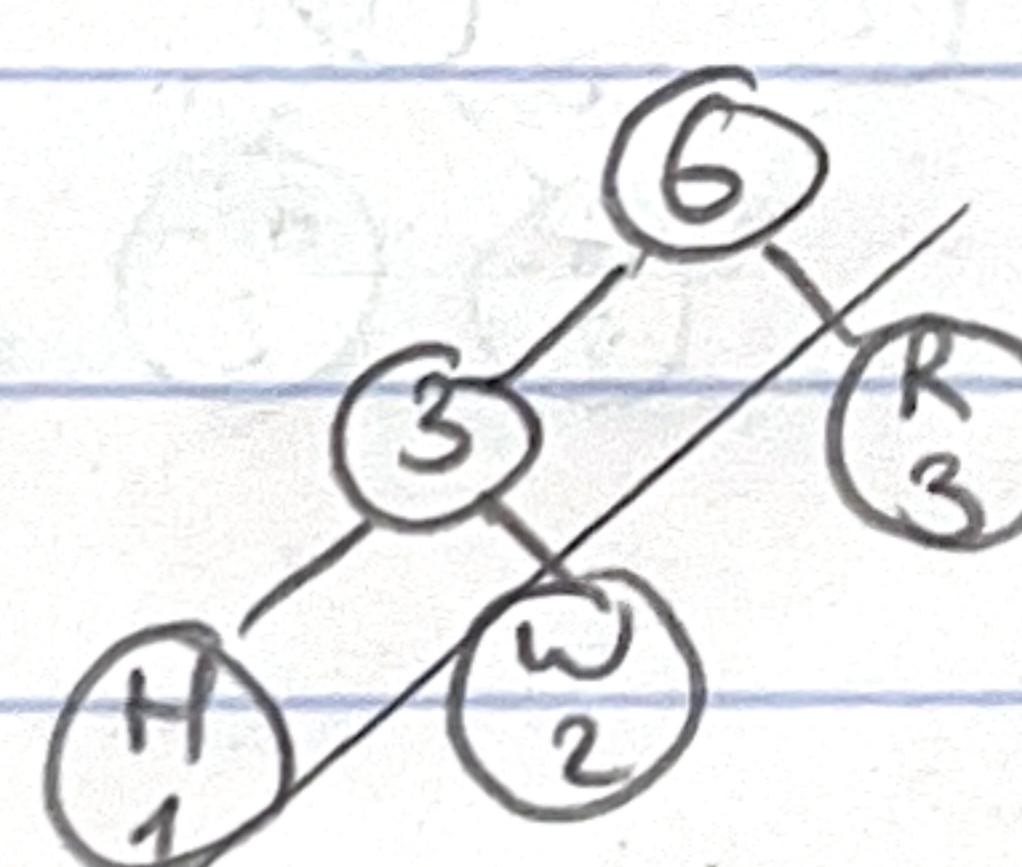
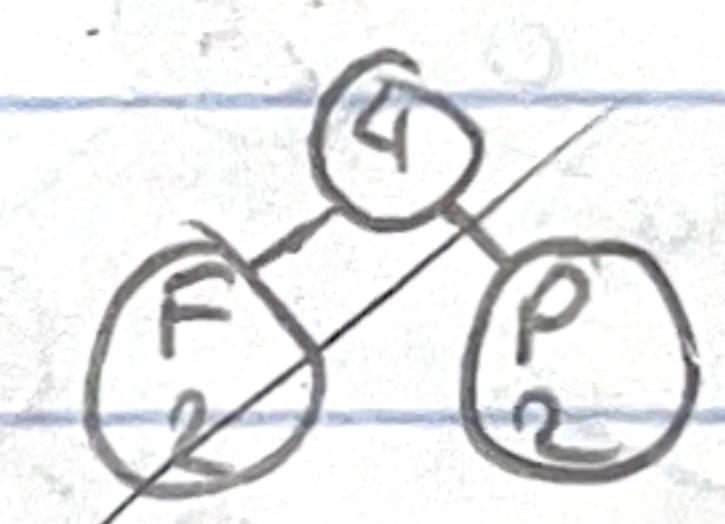
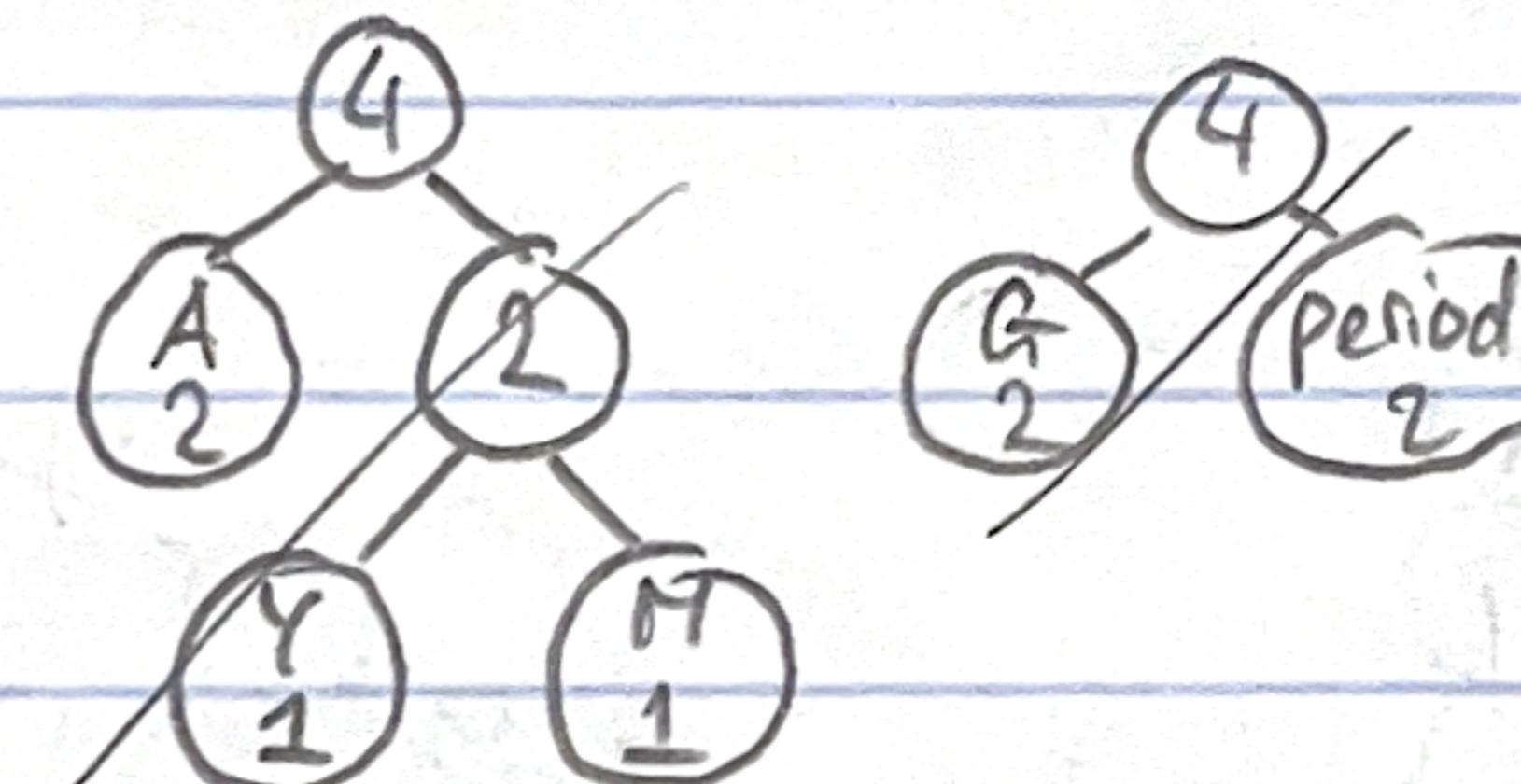
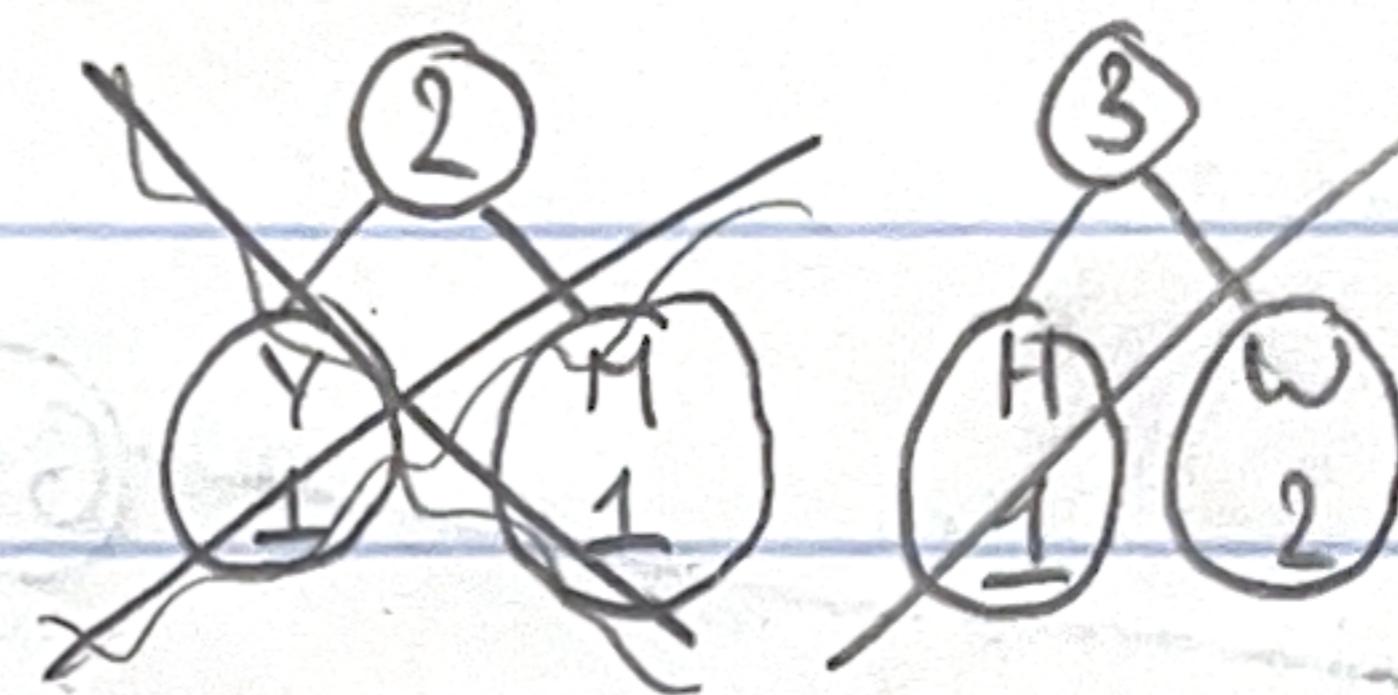
H I

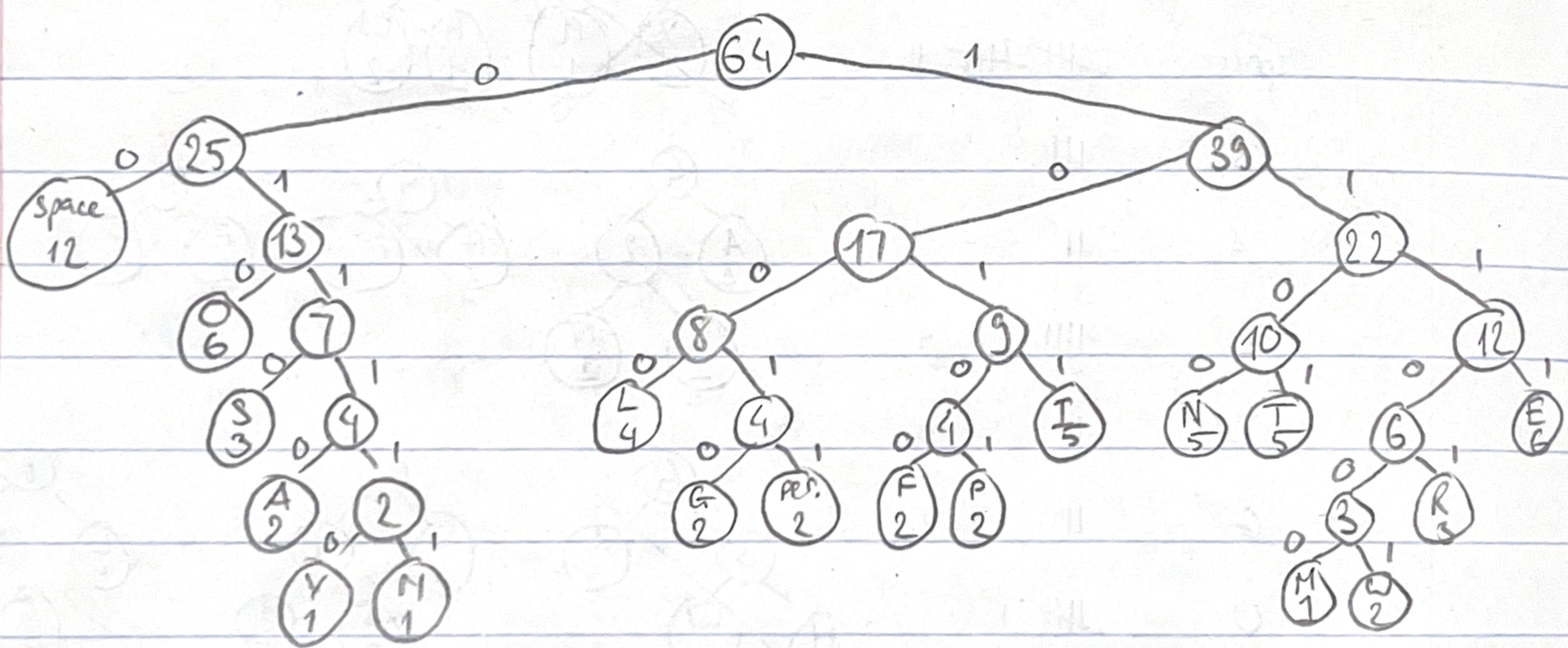
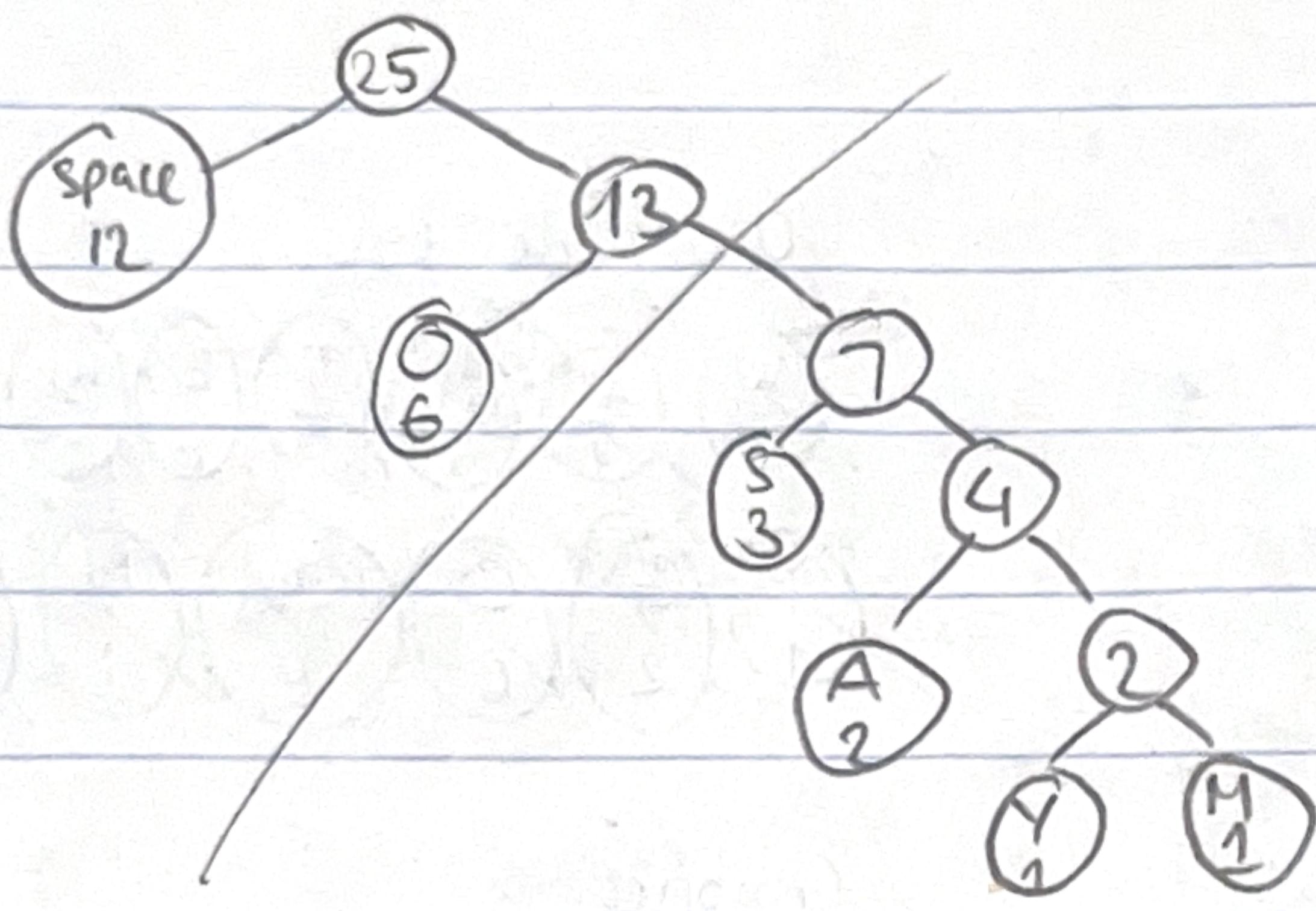
length 64

One node trees:



Combine :





space 00

0 010

s 0110

A 01110

Y 011110

M 011111

L 1000

G 10010

period 10011

F 10100

P 10101

I 1011

N 1100

T 1101

M 111000

W 111001

R 11101

E 1111

ARAGORN = 01110 1101 01110 10010 010 1101 1100

G C C & A G A G A G C T G A C T A C G T G C C G C T G A C A C

G C T G A case 3 - shift 5 1

G C T G A case 1 - shift 1 2

G C T G A case 2 - shift 3 3

→ G C T G A MATCH - shift 1 4

G C T G A case 3 - shift 5 5

G C T G A case 2 - shift 1 6

G C T G A case 2 - shift 1 7

G C T G A case 2 - shift 3 8

G C T G A case 2 - shift 5 9

G C T G A MATCH - shift 1 10

G C T G A case 3 - shift 5 11

G C T G A case 2 - shift 3 12

G C T G A case 2 - shift 2 13

G C T G A case 2 - shift 1 14

G C T G A case 1 - shift 1 15

G C T G A c2-s2 16

G C T G A c2-s1 17

G C T G A c2-s1 18

G C T G A c2-s2 19

G C T G A c2-s1 20

G C T G A c2-s3 21

G C T G A MATCH-s1 22

G C T G A c2-s3 23
out of bounds

Shift table

A 5

C 3

G 1

T 2

Other 5

3 Matches

23 steps