

DnC && Backtracking Class - 4

Special class

→ Sudoku Solver

1 2 3 4 5 6 7 8 9
1-9

1 2 3 4 5 6 7 8 9

5

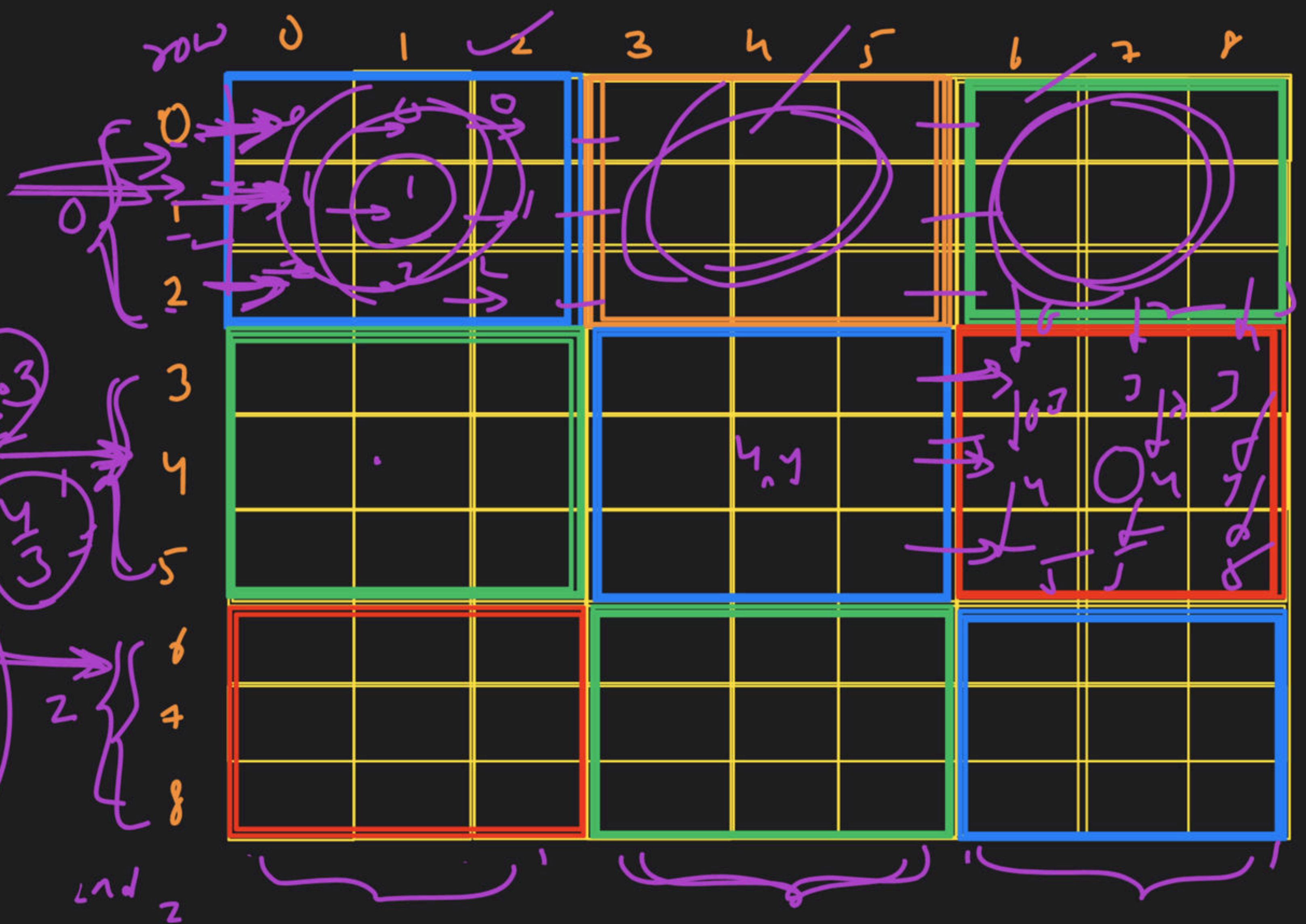
return
false





$$3 \left[\frac{r}{3} \right] + \frac{K}{3}$$

$$3 \star \left[\frac{c}{3} \right] + K \cdot 0.3$$

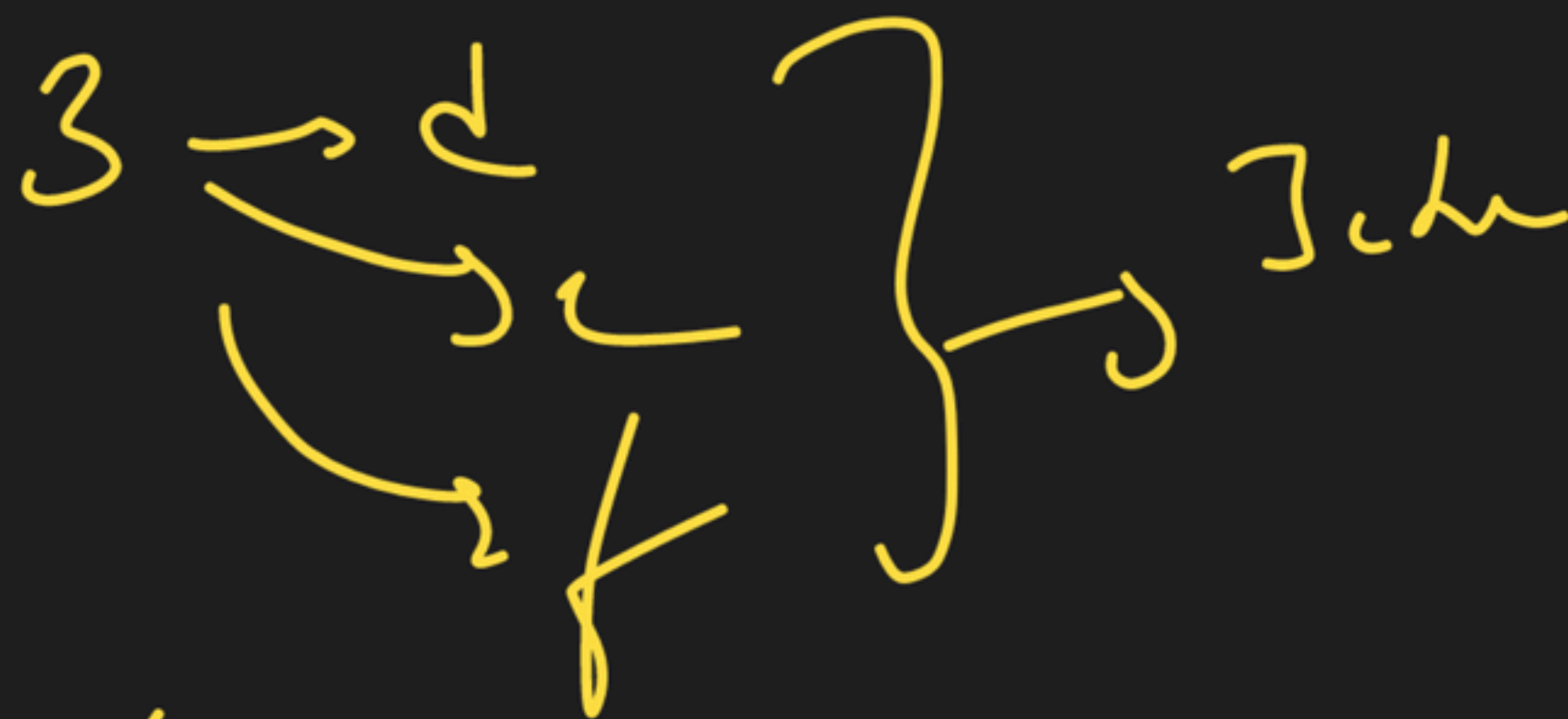


board $\left[3 \star \left(\frac{x}{3} \right) + \frac{K}{3} \right] \left[3 \star \left(\frac{c}{3} \right) + K \cdot \frac{1}{3} \right]$

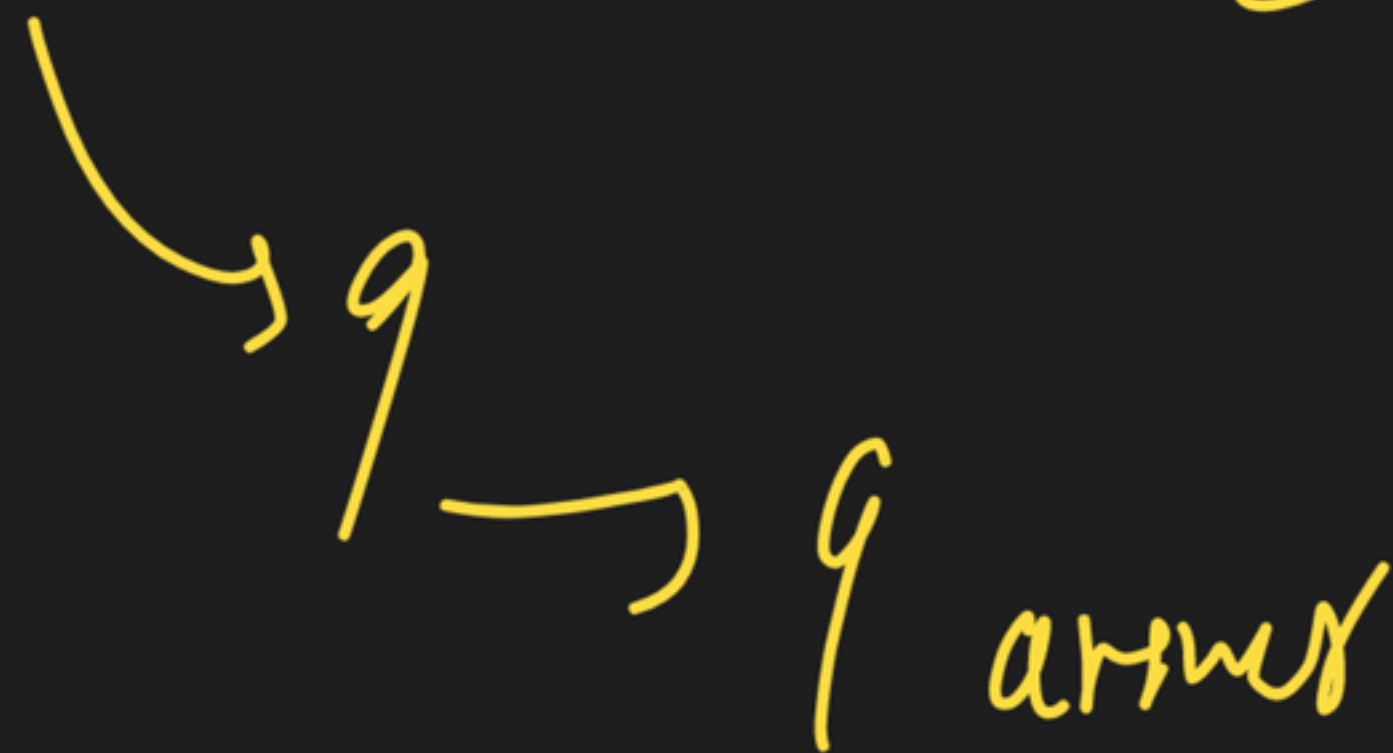
2 3



| | |
|---|---|
| 3 | 3 |
|---|---|



2 | 9

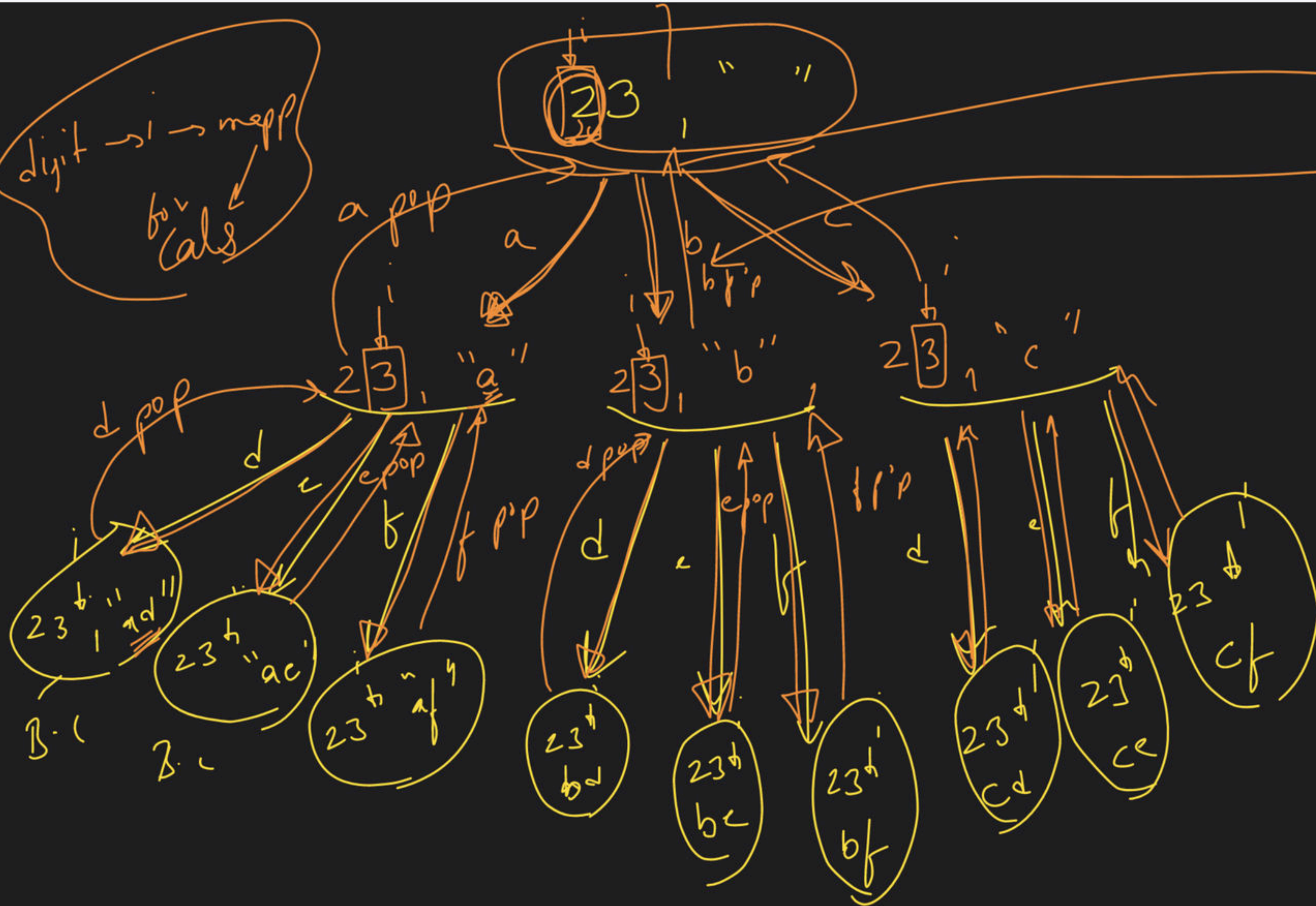


| | |
|---|---|
| 3 | 4 |
|---|---|

(12)



digit \rightarrow i \rightarrow mapp
 for
 calcs



mapping
 2 \rightarrow a b c
 3 \rightarrow d e f
 4 \rightarrow g h i
 5 \rightarrow j k l
 6 \rightarrow m n o
 7 \rightarrow p q r s
 8 \rightarrow t u v
 9 \rightarrow w x y z