

(#) Numbering of Principal chain:

→ Number Principal chain so that following gets least possible NO.

Boss > m-Bond > Side chain

Boss

-COOH

-CN

-COR

-COX

-CONH₂

-CHO

LX-1



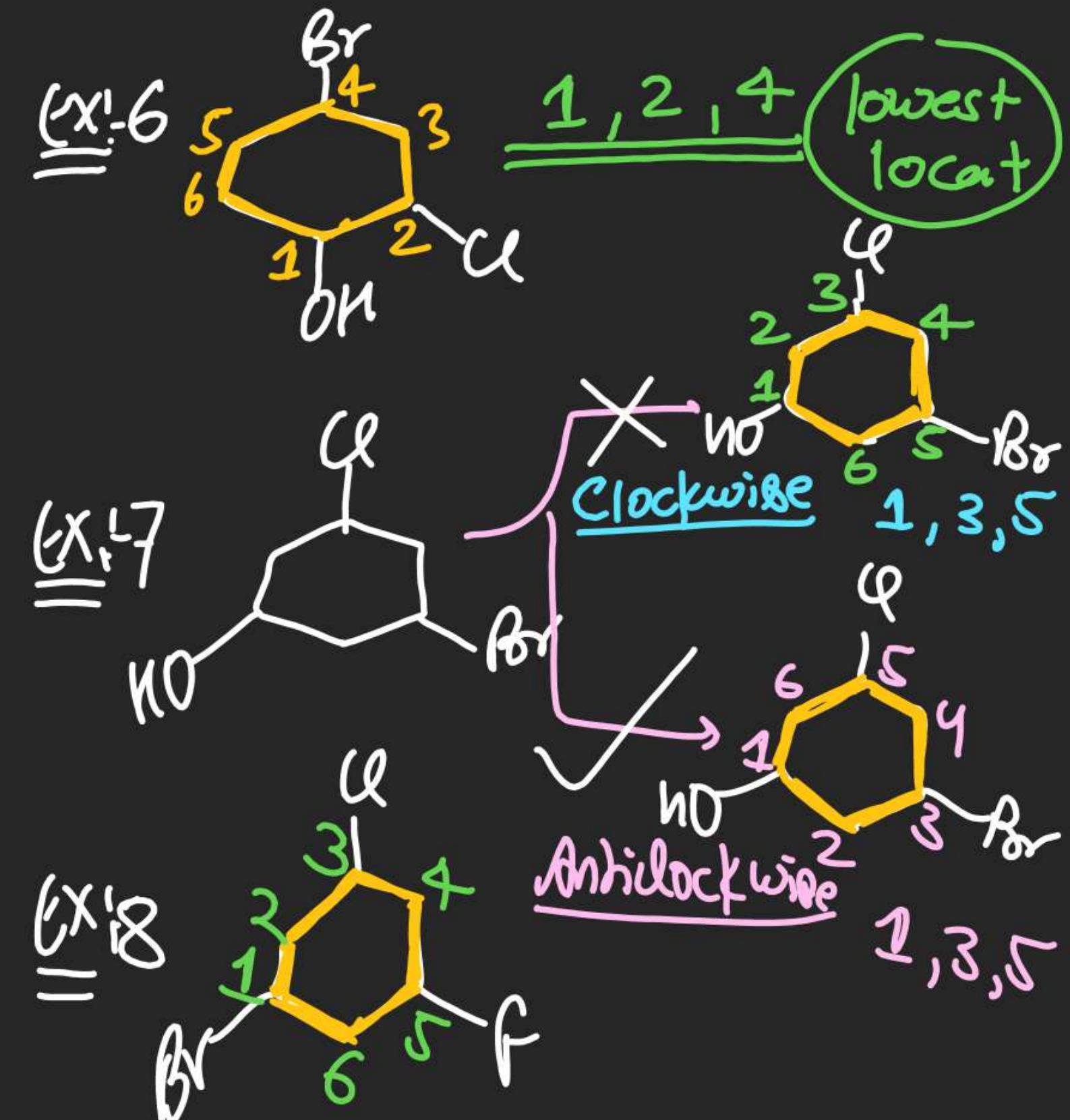
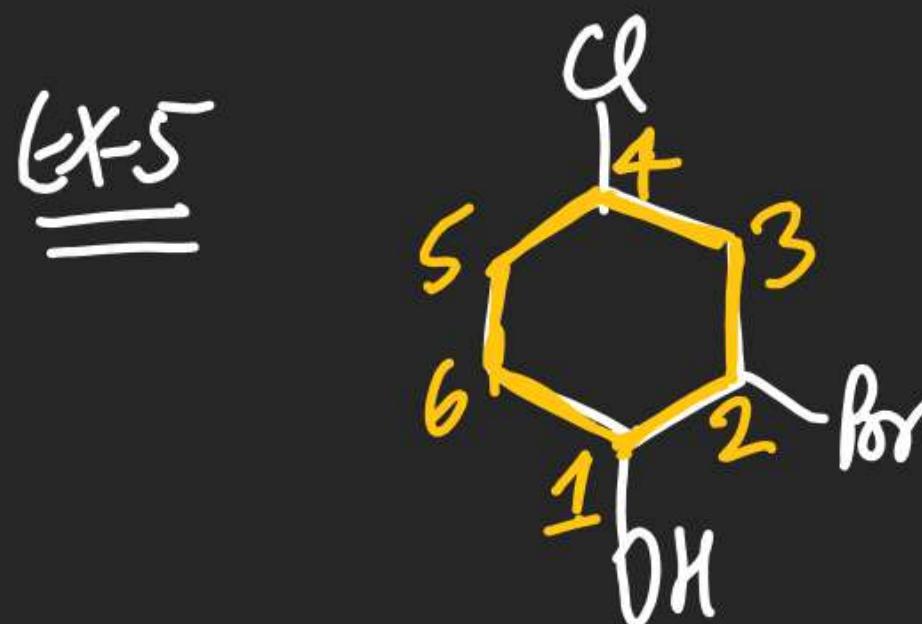
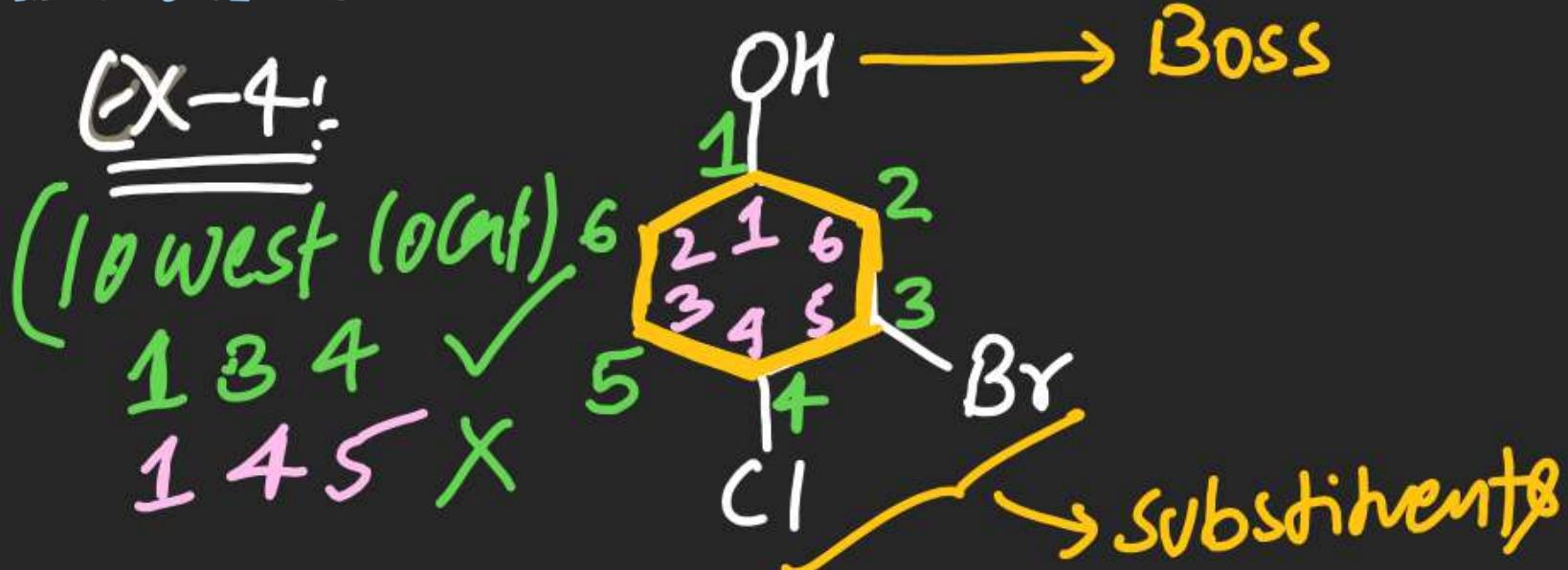
Boss

-OH

-NH₂

C=O





⇒ When NO. is same from all possible sides then provide least no according to alphabetical order.

2, 3, 6 X
1, 4, 5 ✓

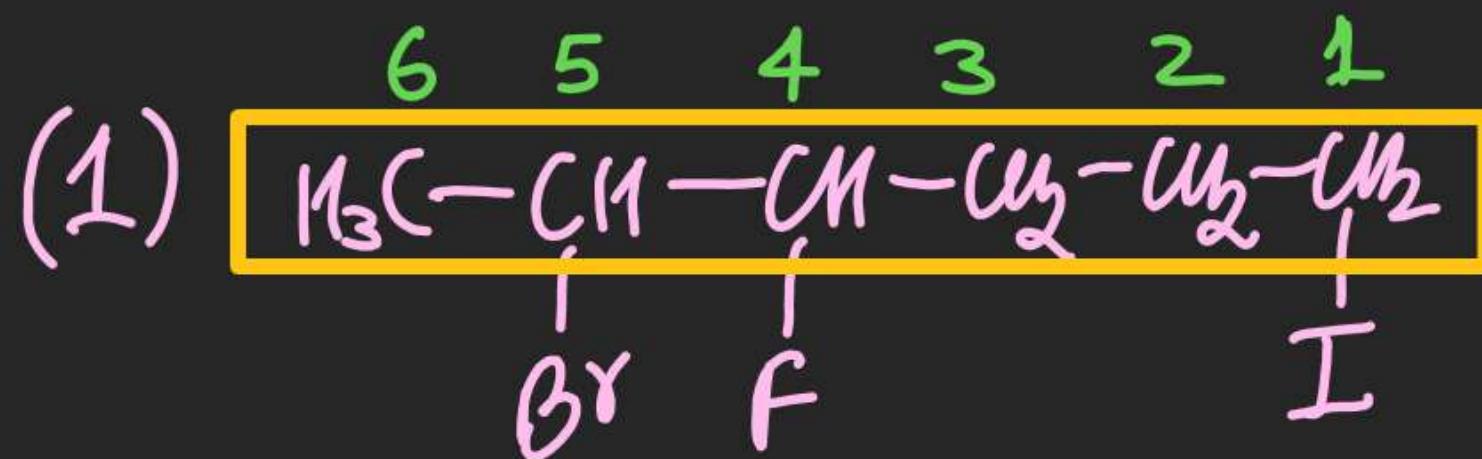
IUPAC Nomenclature of Hydrocarbon & its衍生物

P₁-2° Prefix + 1° Prefix + WR + P₂-1° Suffix + P₃-2° Suffix

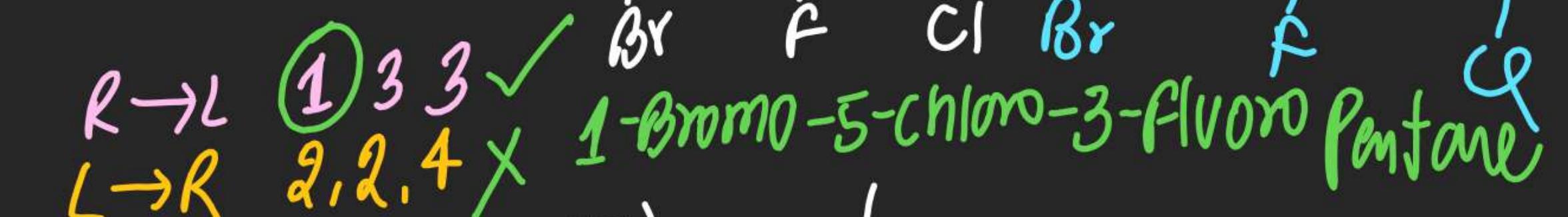
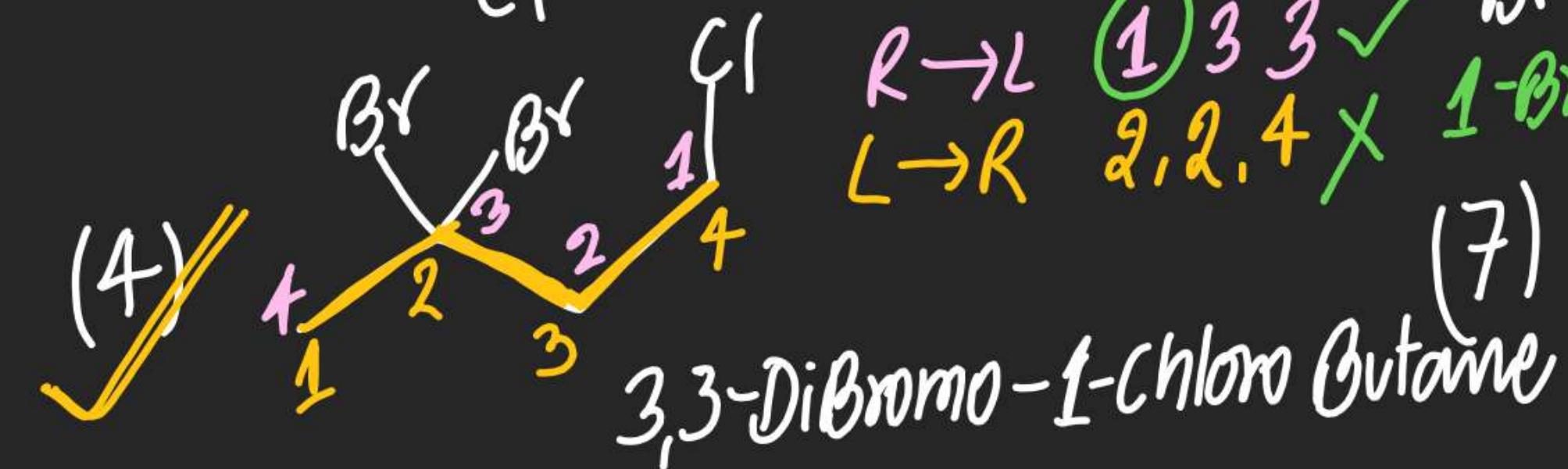
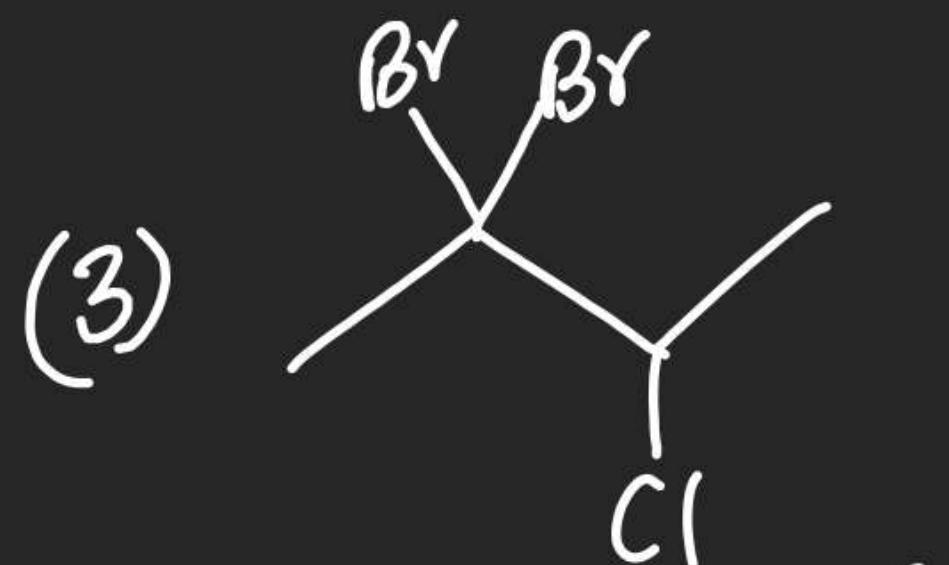
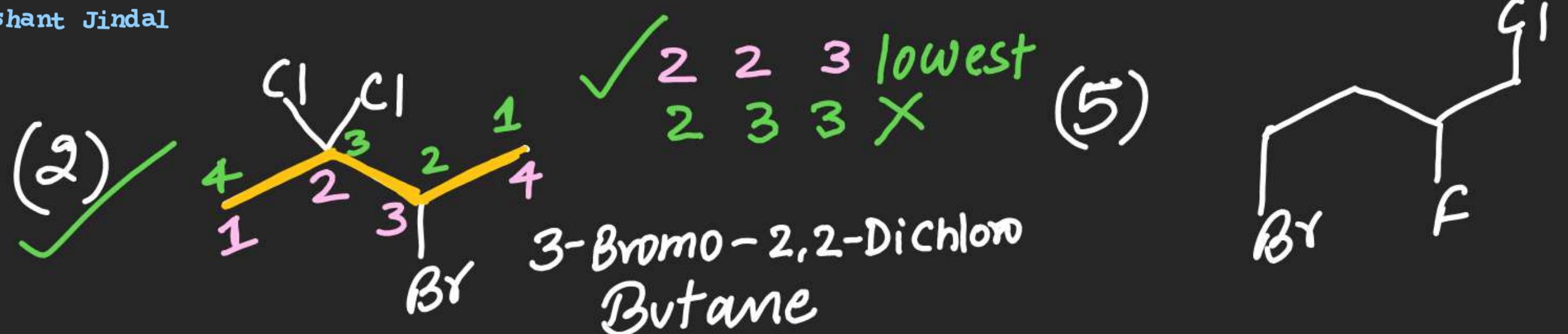
Alkene ⇒ All C-C Bond Single

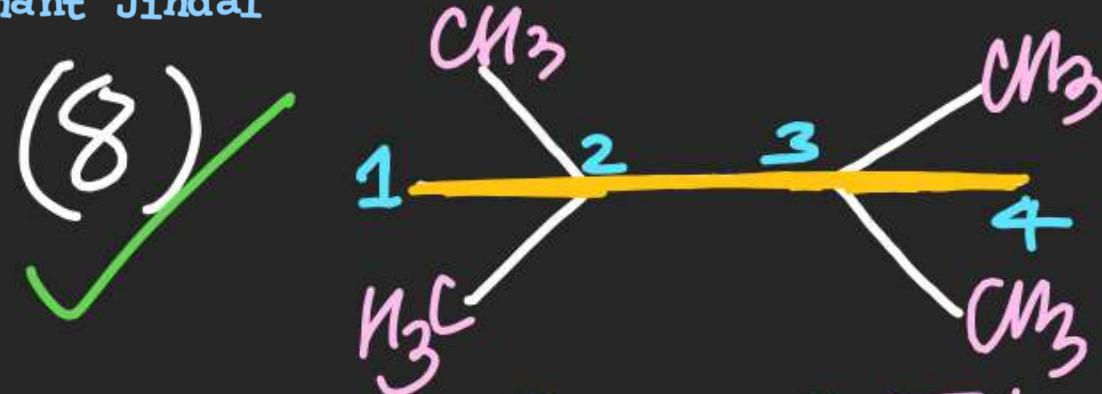
Alkene ⇒ At least one C=C .

Alkyne ⇒ At least one C≡C



5-Bromo-4-fluoro-1-Iodo Hexane





2,2,3,3-Tetramethyl Butane



3,3-Diethyl Pentane



~~2P+1P+WR+1S+2S~~

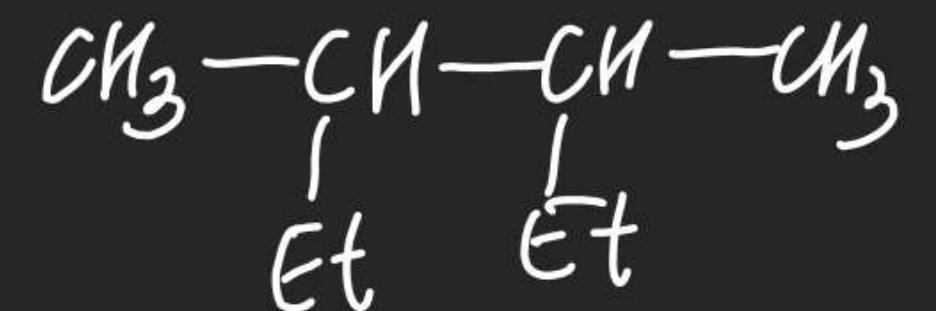


Cyclopentane

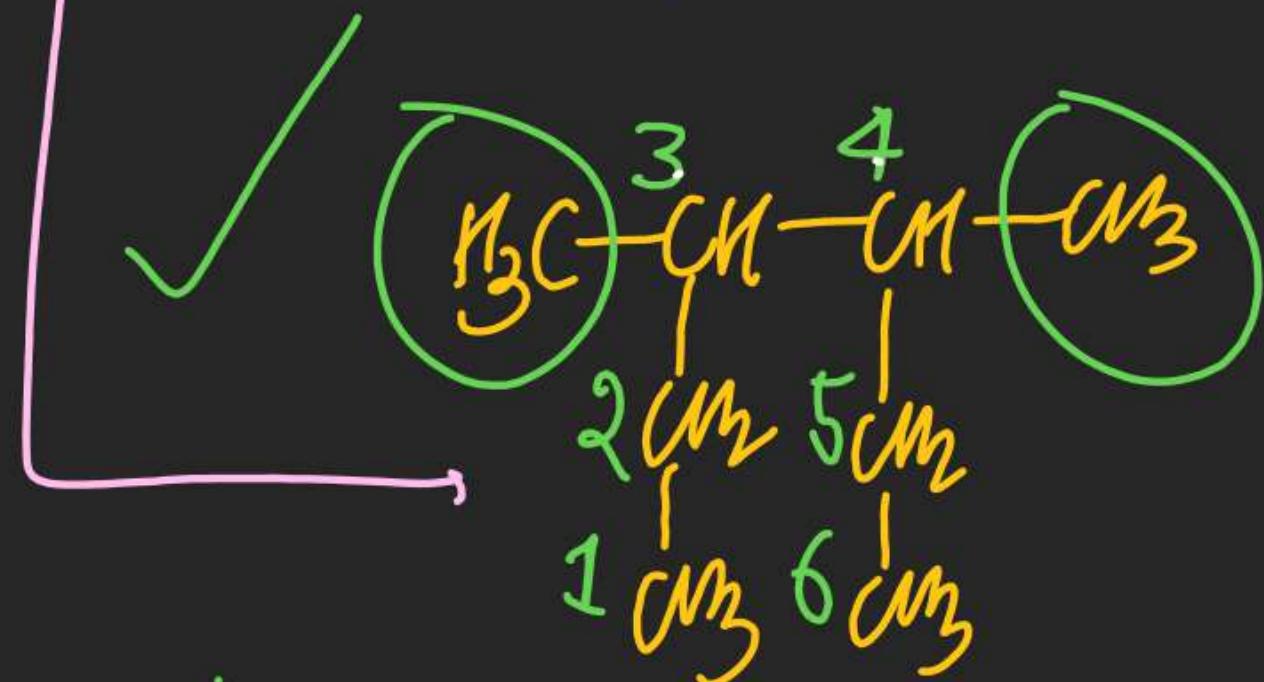
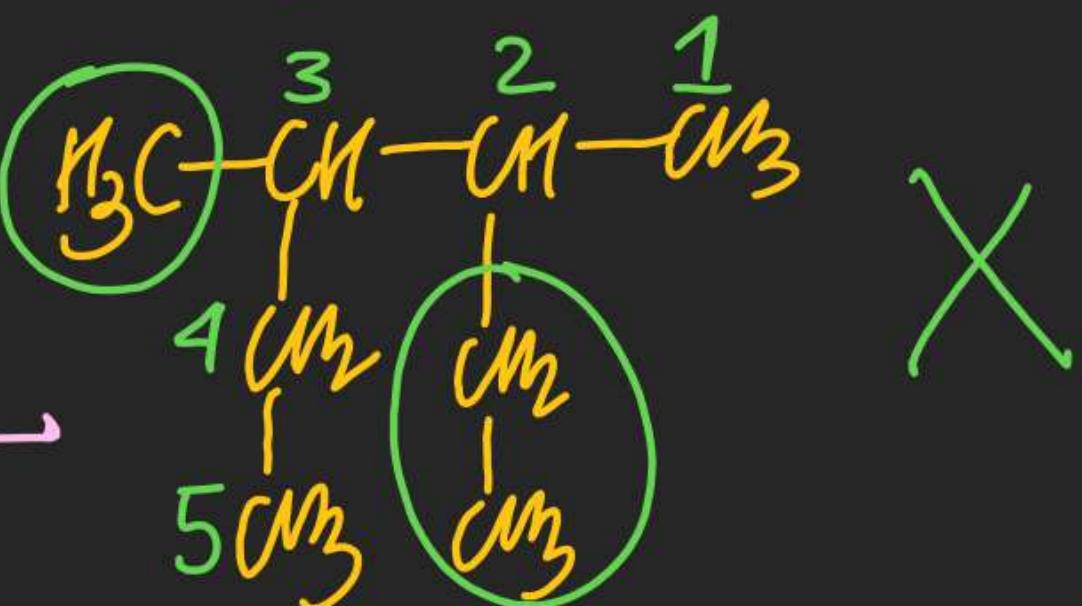
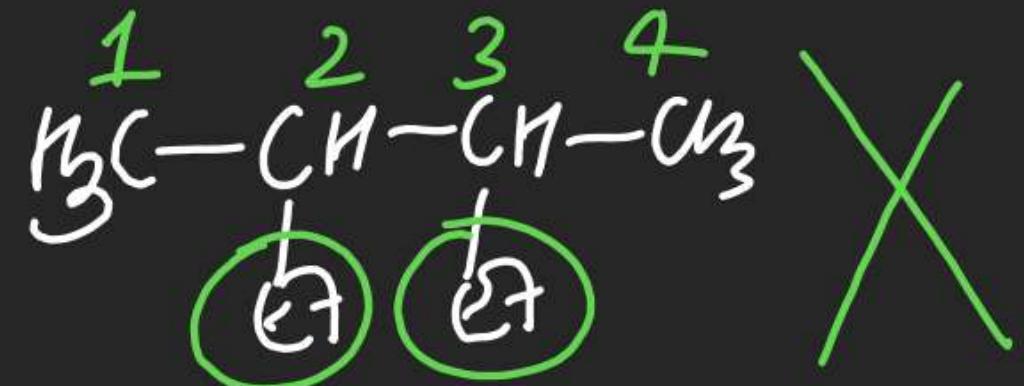


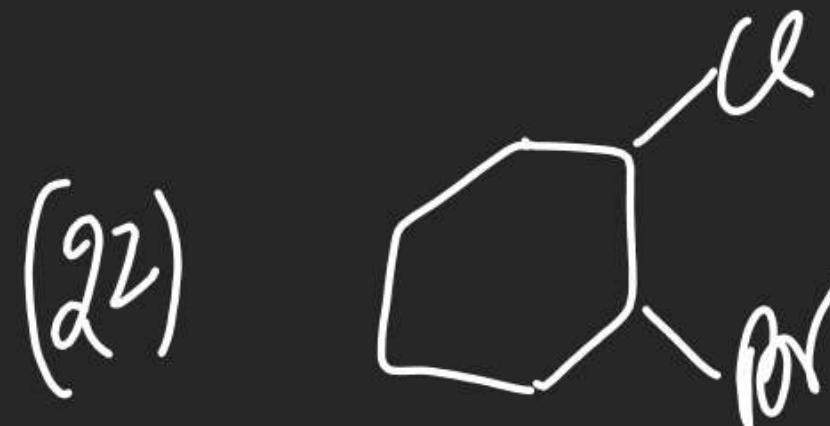
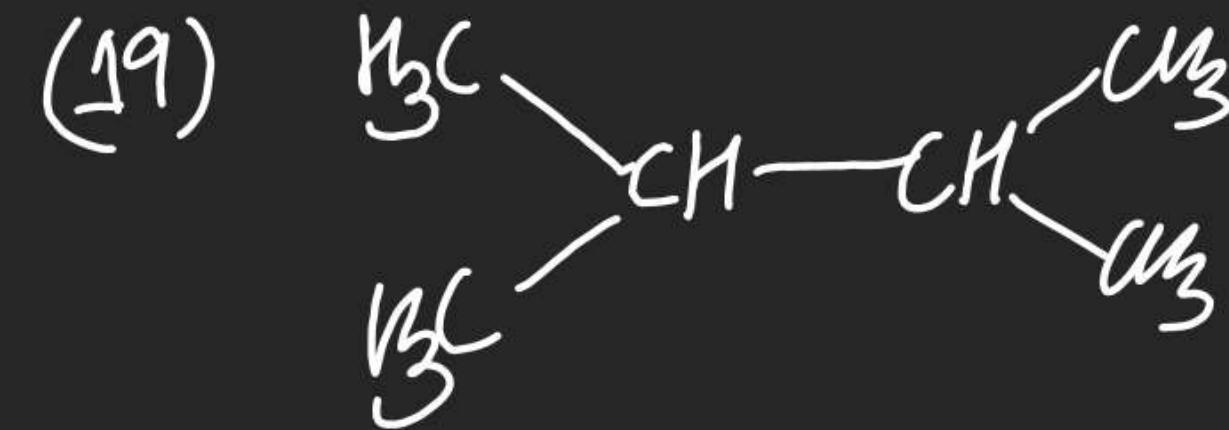
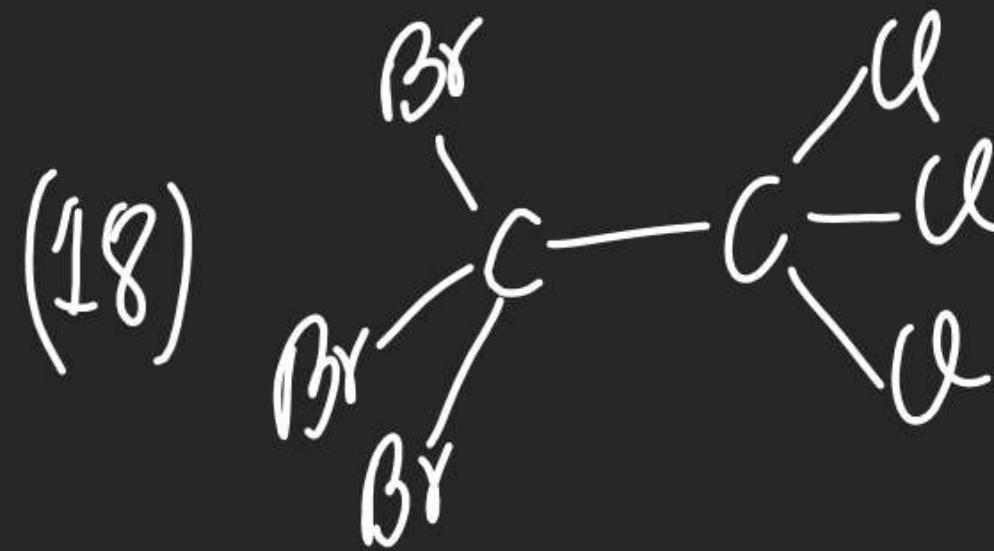
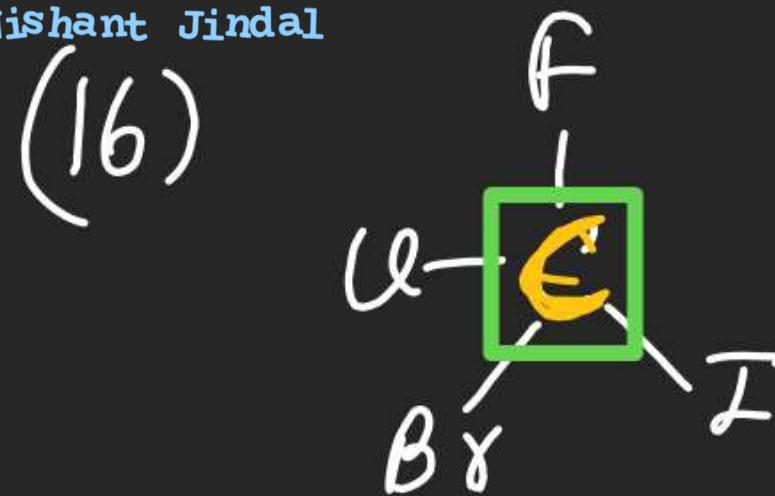
$\text{Me} \Rightarrow -\text{CH}_3$ (Methyl)
 $\text{Et} \Rightarrow -\text{CH}_2-\text{CH}_3$ (Ethyl)

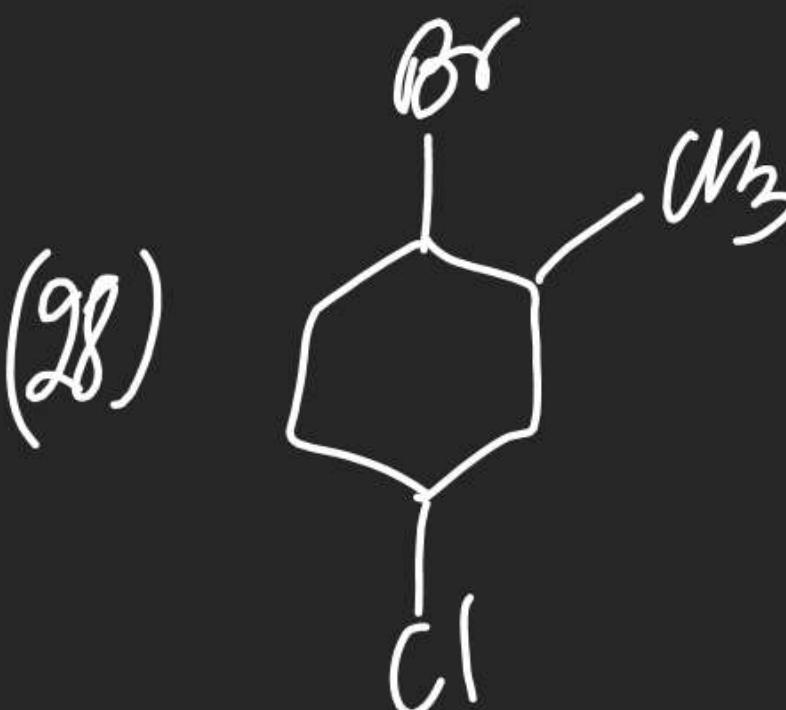
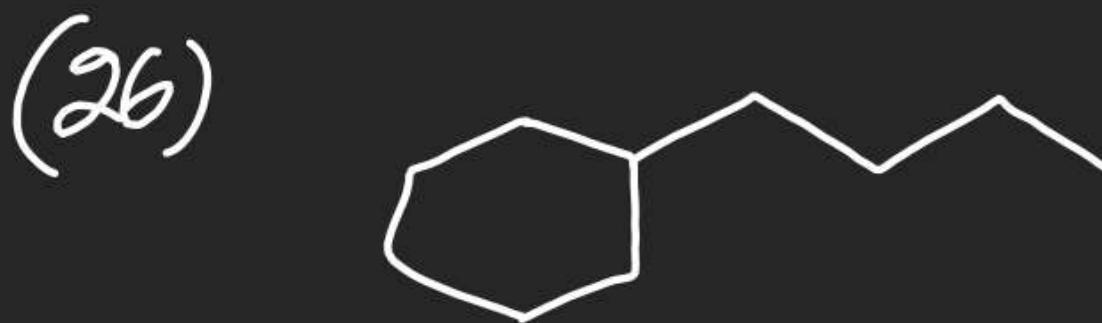
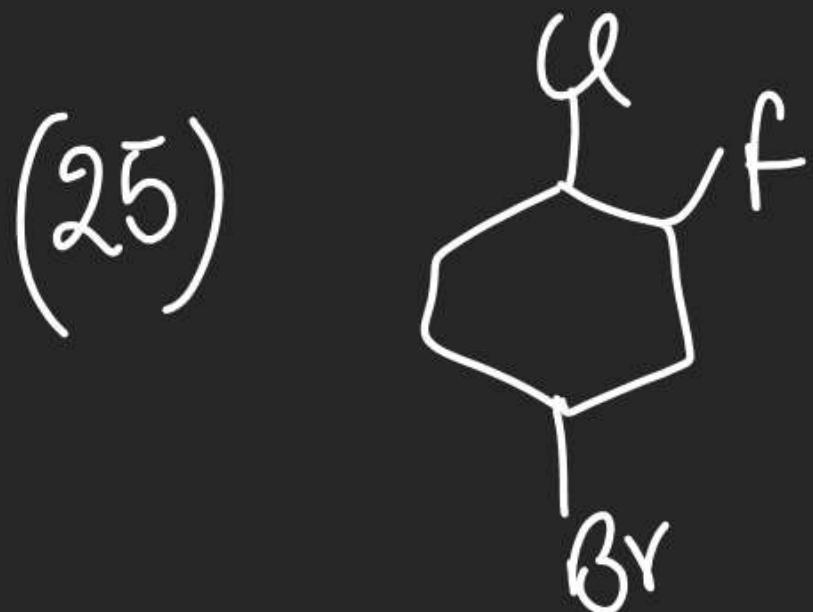
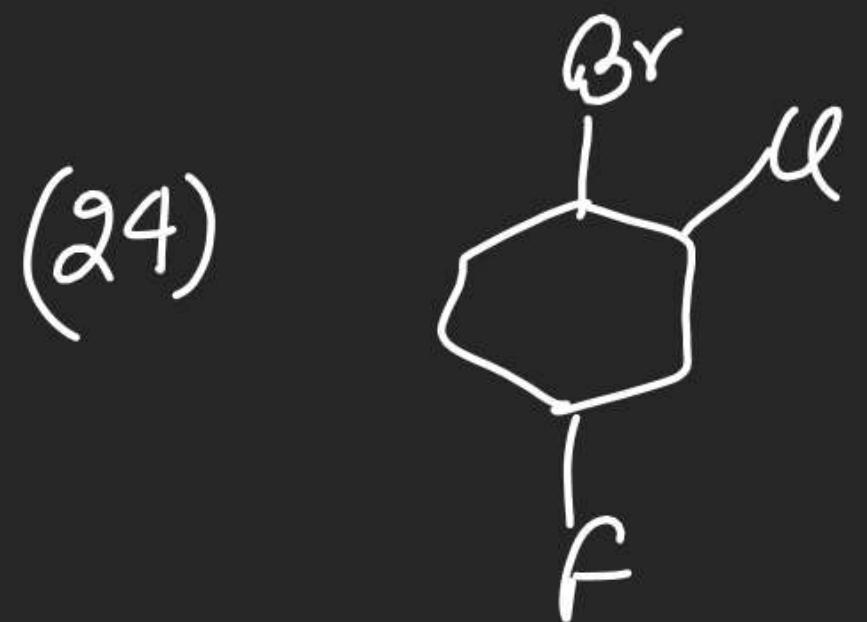
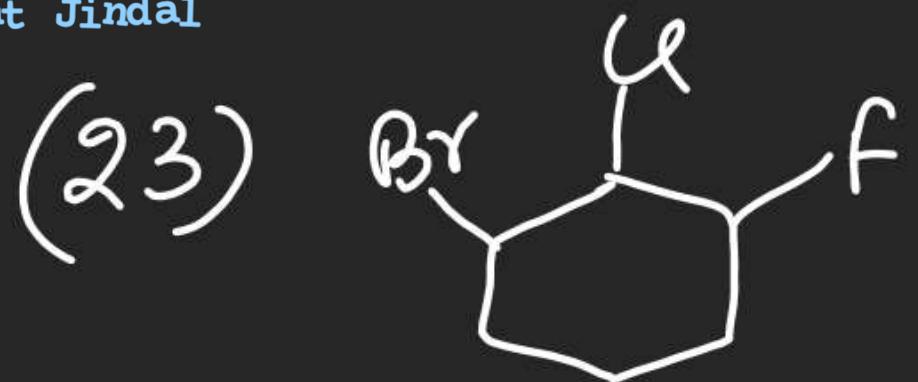
(15) Connect IUPAC name of following

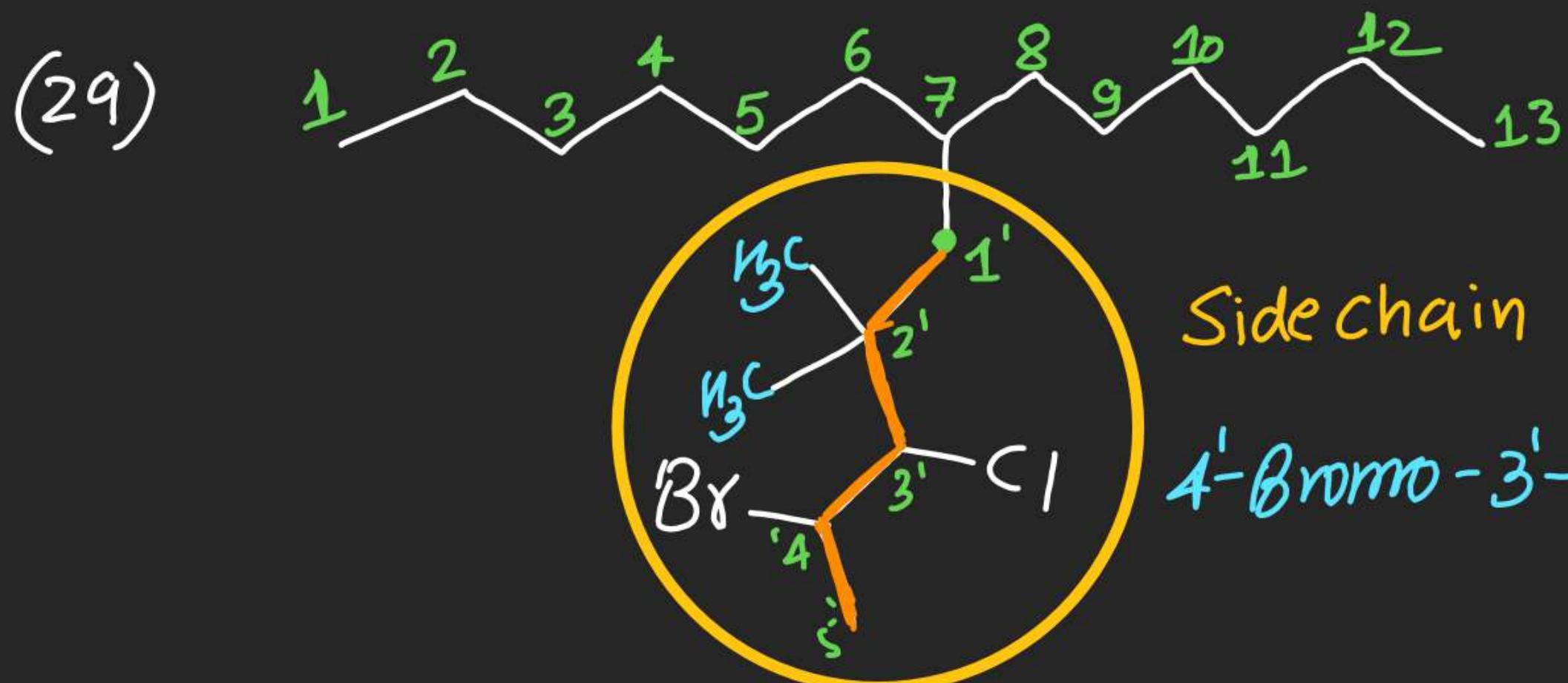


- (A) 2,3-Di Ethyl Butane
- (B) 2-Ethyl-3-methyl Pentane
- (C) 3,4-Dimethyl Hexane
- (D) N.O.T









$4'$ -Bromo- $3'$ -chloro- $2',2'$ -Dimethyl Pentyl

Naming of side chains

Rule-1 always assign No. 1 during No. to that carbon which is directly connected to principal chain

Rule-2: 1° Suffix \Rightarrow yl

(30)

