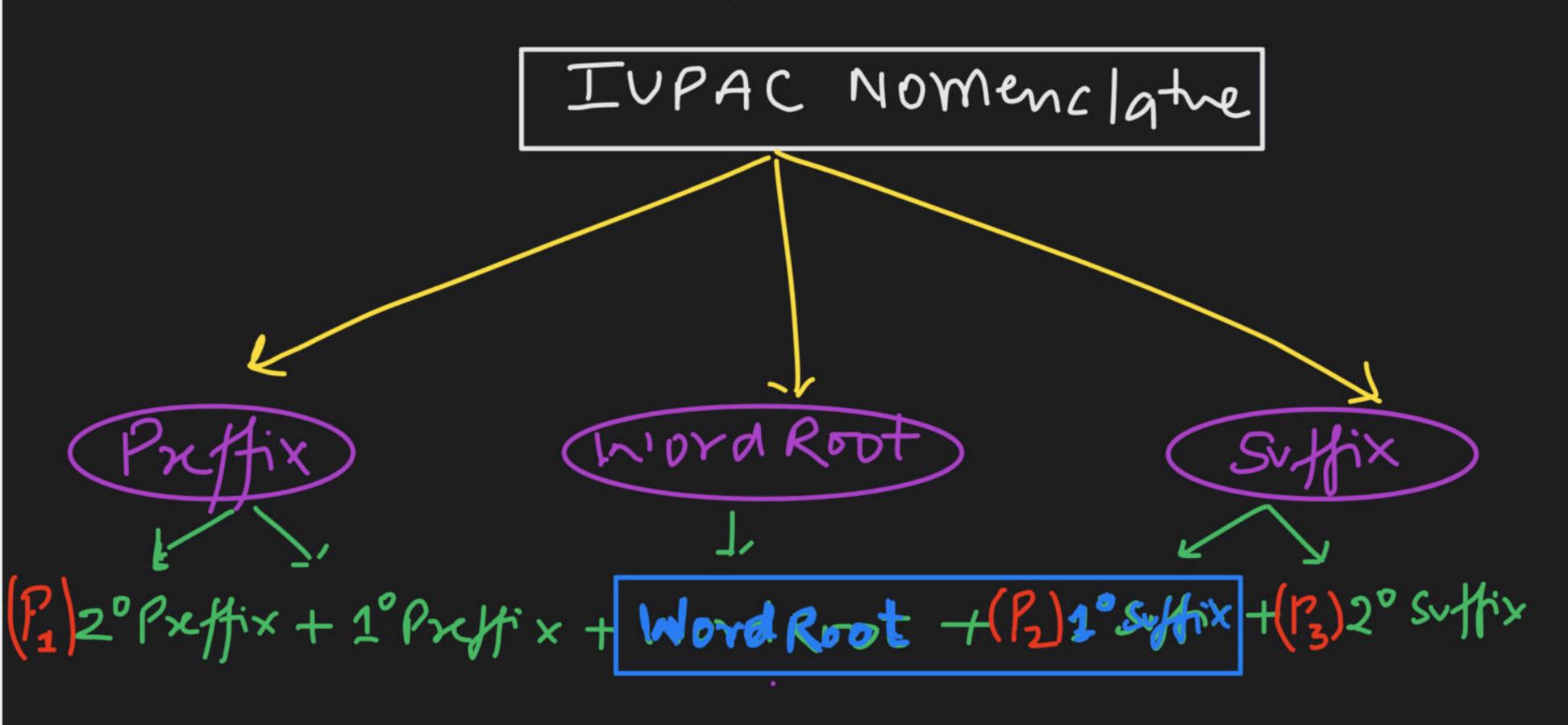


Course on Nomenclature of Organic Compounds for Class XI

Compound name -> Derived name/Trivial name
/Common name/ Iupac name



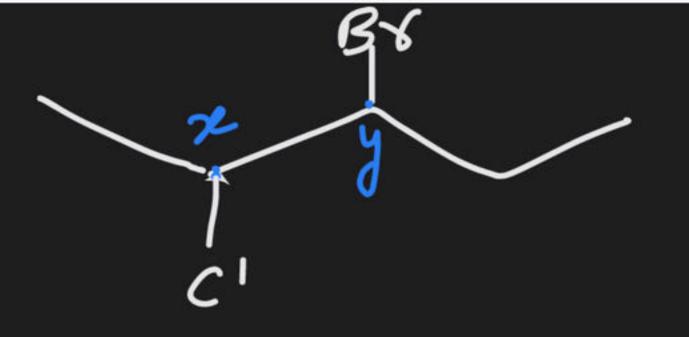
BeHix =) There are two type of Briffixes Used for I UPAC Naming of Organic Compound. (i) 2° Preffix It is used for naming of side chairs Or substitutente! Chloro Bromo — BY Todo Flvoro — F (Z+R-C+3=) mx+hoxy) ALKOXY  $-\mathcal{O}\mathcal{R}$ Amino - NH2

- CM3 Methyle (Me)
- CM2-CM3 Ethyle (El)
- OH Mydroxy
- NIO2 Nitro

Note: (1) 2° Preffixes an always written in alphabatical ordes

\_\_\_ Bnomo \_\_. Chlow B-

(ii) 2º Beffixes or always withon with their pusition.



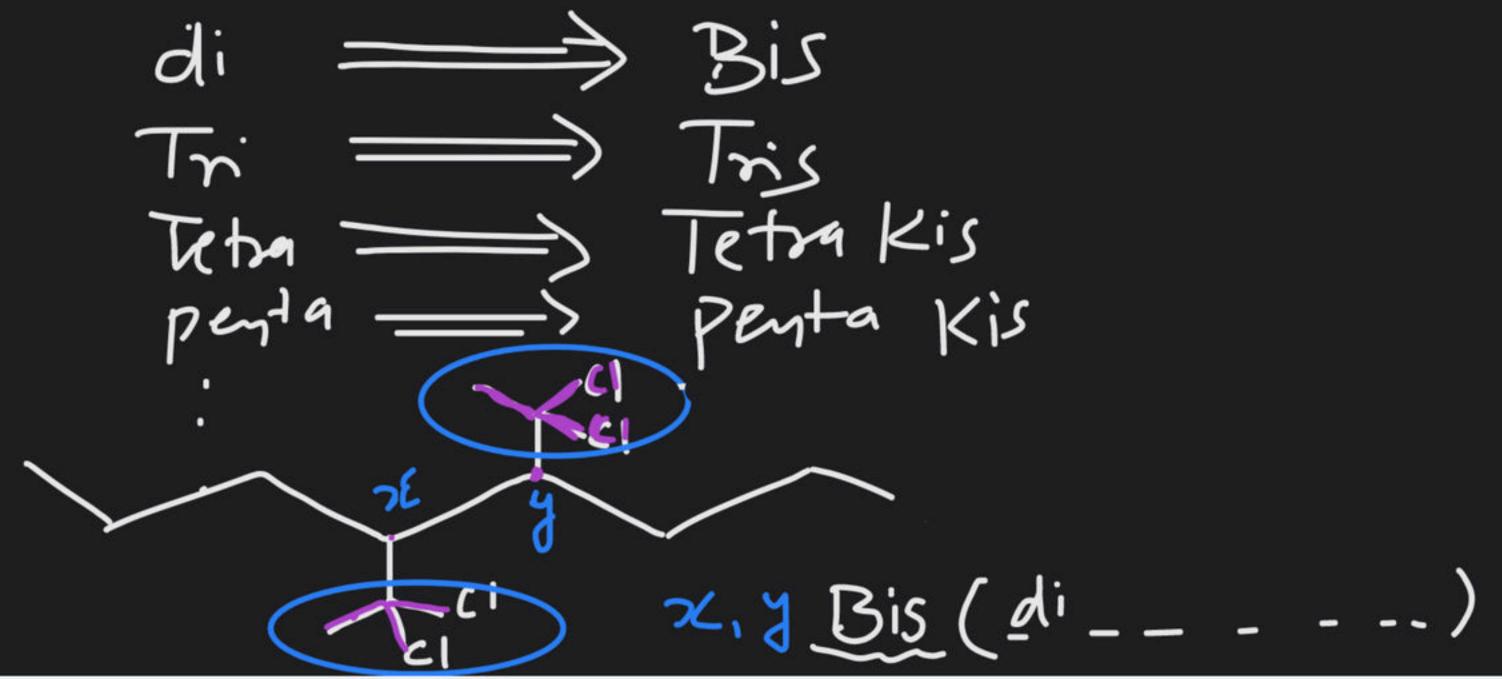
... y-Bromo x-Chlmo - - -

(iii) It same side chains are present Twice, Thince
---- then use di, Tri, Tetra, Penta----- just before
Their names.

y-Bromo X, X-di chloro - - -

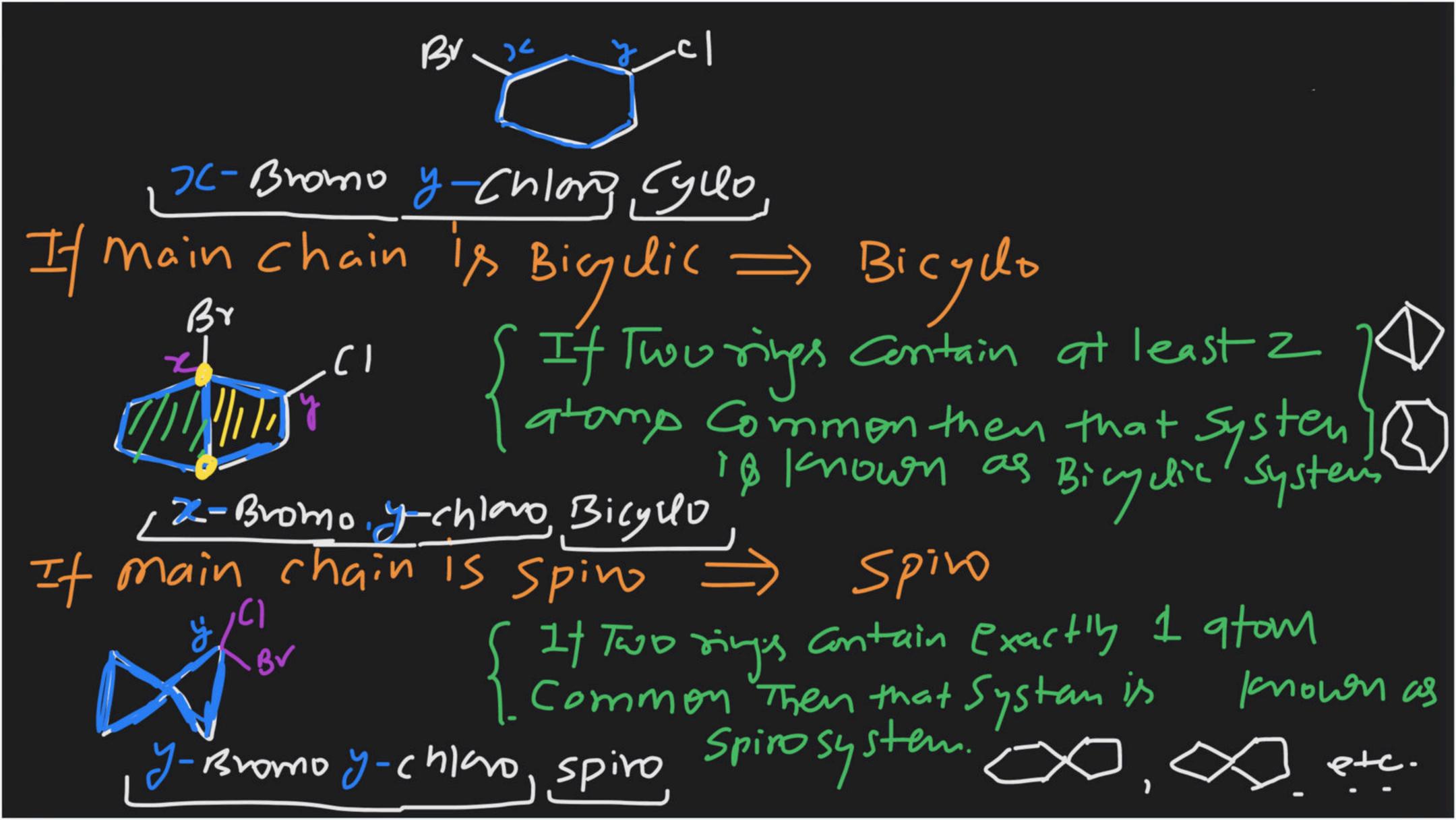
y-Bromo x,z-dichlero---.

(IV) It name of side chain/substituents it self Contains di, tri, tehn...-- Then on repetion of such Sine Chairs we conit used di, tri, tetru, penta for representaj its Tryvenj. We Use



(#) 1°Preffix =) It is used for nature of main/principal chain (a) It main chain is acyclic => No 1º Preffix is used Main Chain 1º Preffix Not applicable 1º Beffix not applicable

If main chain is cyclic => Cyclo



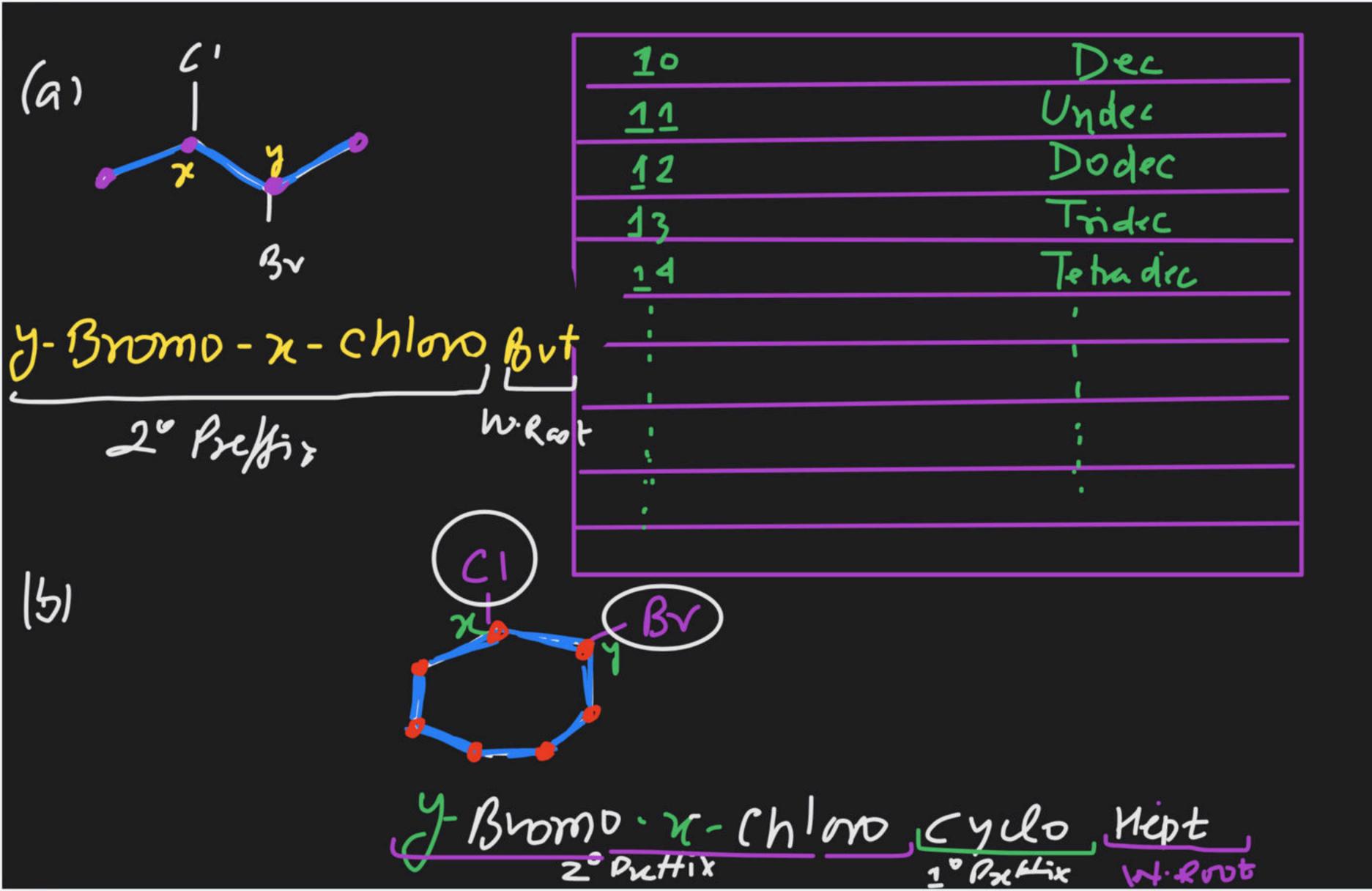
## (H) Iword Root

=) It is used for naming of no of Carbon atoms in Main/principal chain

> No of Carbon in Principal chain

(MONA Root)

· 1	Meth
2	Meth E-m
3	Prop
4	<b>B</b> u <sup>†</sup>
5	Pent
6	Иск
7	hept
8	Oct
9	Num



It 1 Suffix includes di, tri, tetra, penter ---- etc Note prop add aditional "a" in Inland Root. ====> But a Pent ====> Penta ==> Hera Hex nept => nepta (#) 1° 5~/fix =) It is used for native of Combon-Camon Bond in main/Principal chain

If all Single(
$$(-c) \Rightarrow$$
 and

If one double ( $(=c) \Rightarrow$  ene

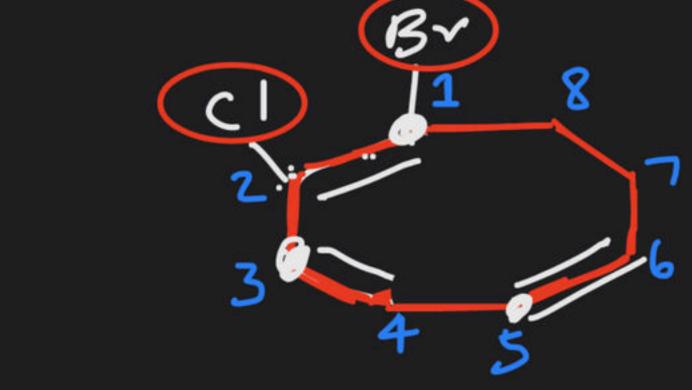
If one Triple ( $(=c) \Rightarrow$ ) yne

If two double  $\Rightarrow$  diene

If two triple  $\Rightarrow$  diyne

[Note] (i) 1° suffix always written in alphabatical ordes

(ii) 1° Suffix (in case of  $C = c \neq c = c$ ) is always Ceritten with their position.



1-Bromo-2-chloro Cyclo Octa-13-diene-5-yne 2° preffix 1° Preffix W. Rool 1° Suffix

(#) 2° Sulfix

=> It is used for naming of main/Principal/Boss fuchle group.

Note: - (i) 2° Suffix is always written with

Their position. (Can be neglected for Carson Contains (ii) if name of 2° suffix storts from Vowel (aciou) then discard last "e" from 1° suffix 5 7 3 2 1 4- Bromp-3-chloropent-4-ene-2-01











