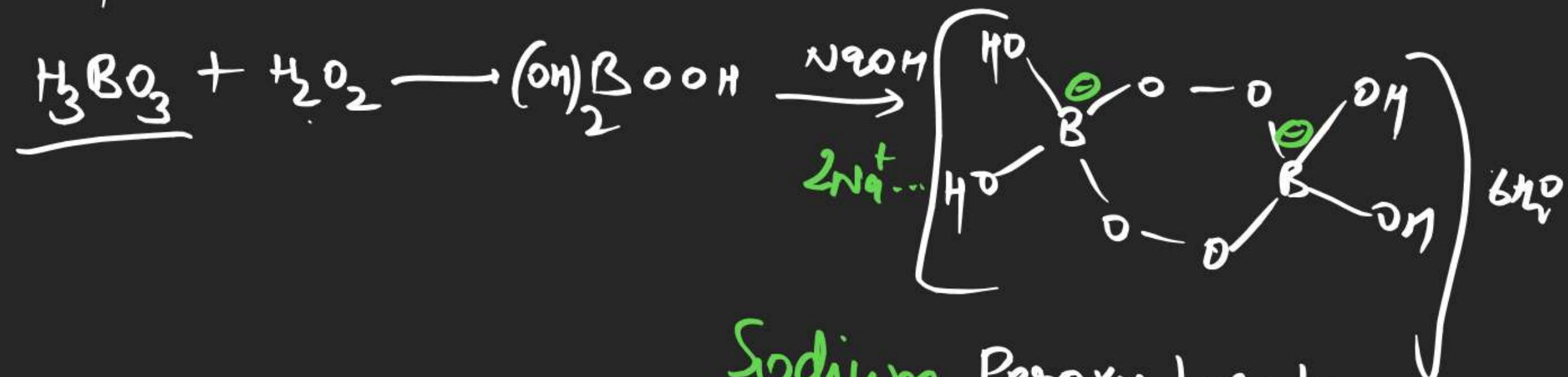


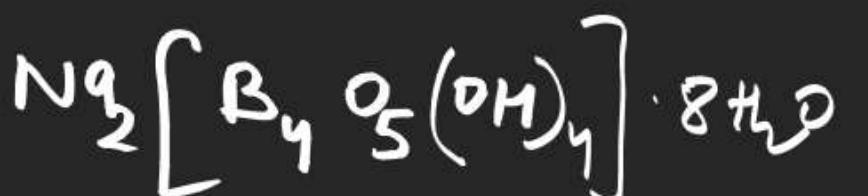


H_3BO_3 reaction with H_2O_2



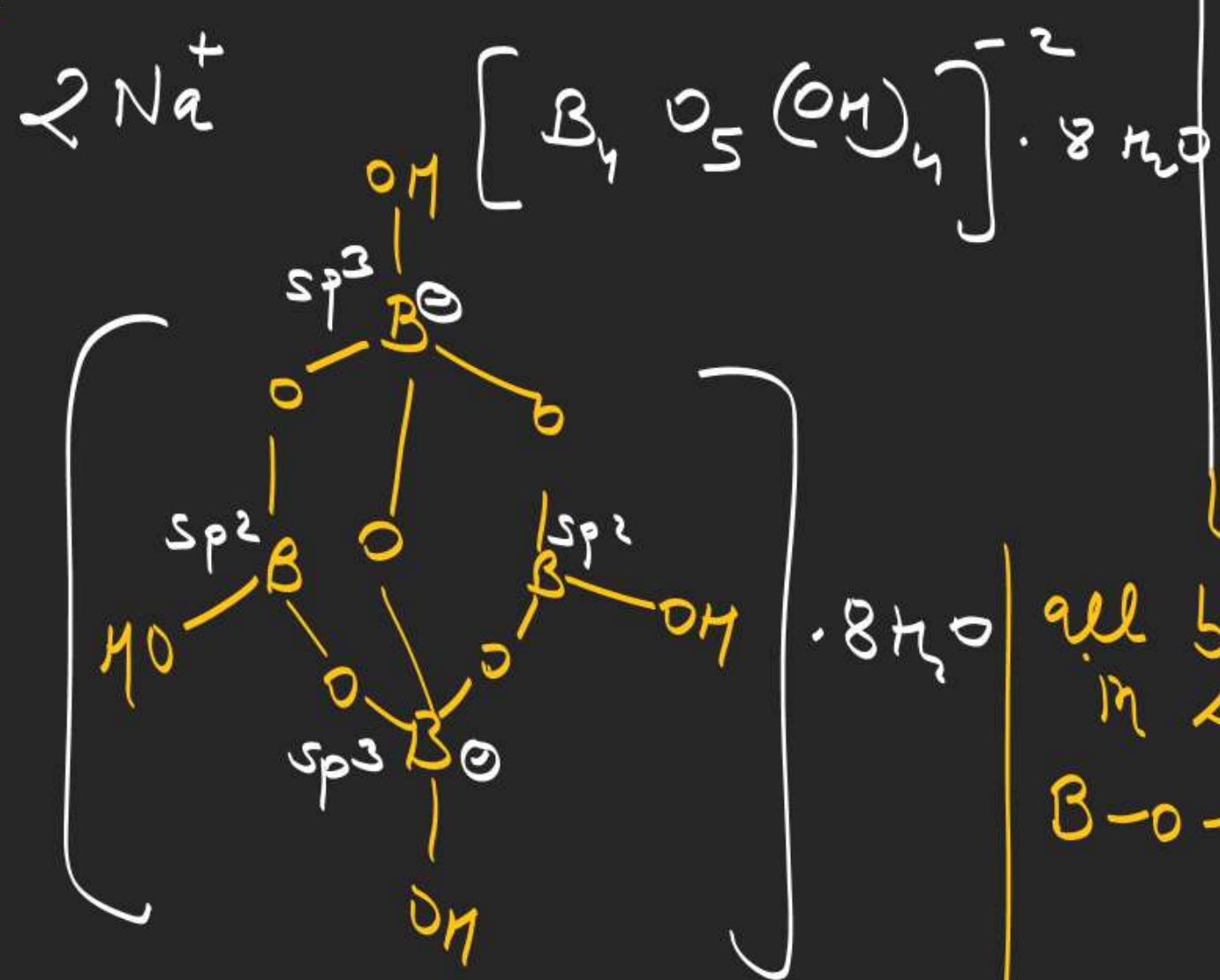
Sodium Peroxy borate

it is use in washing powder as brightener.

Borax

two tetrahedral unit

two trigonal planar



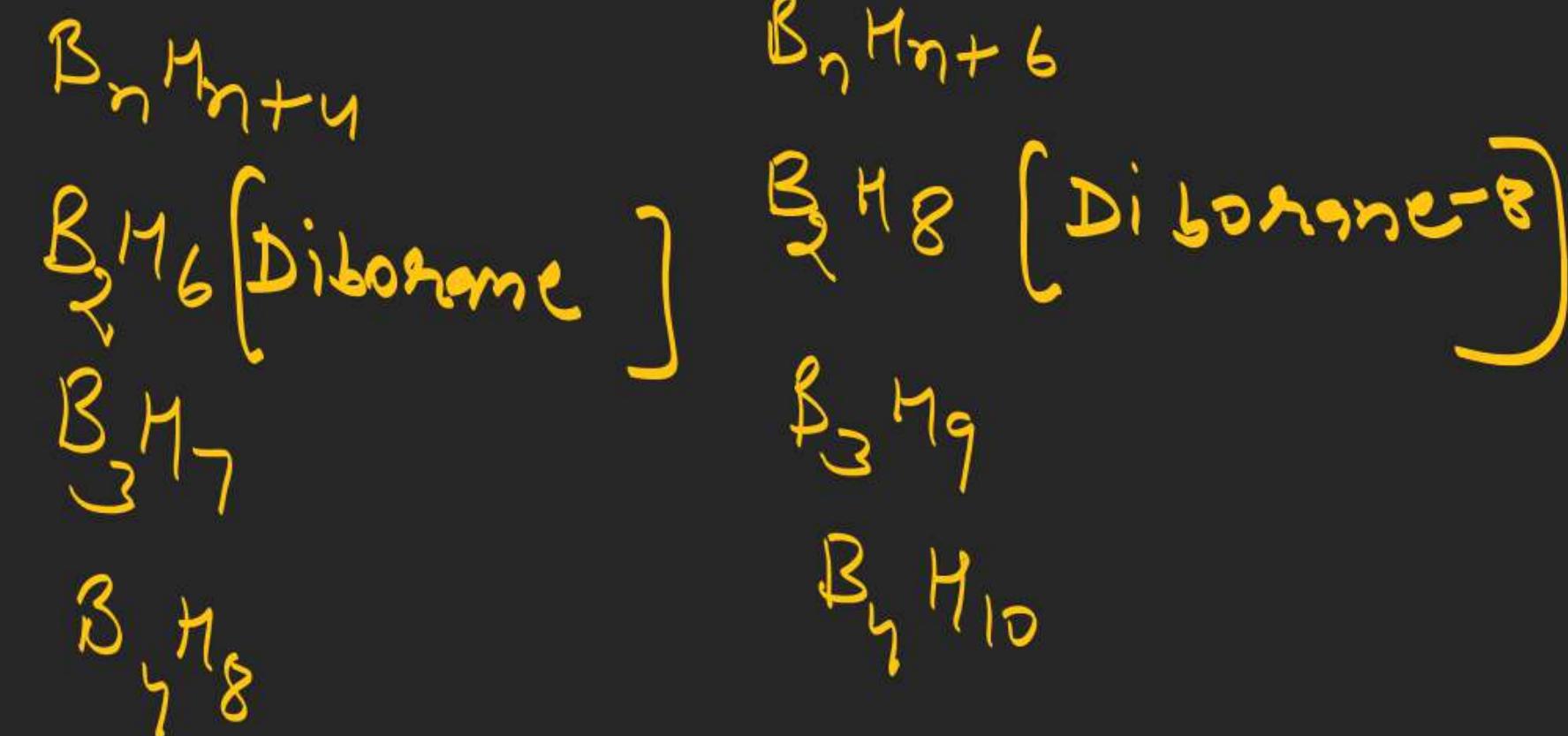
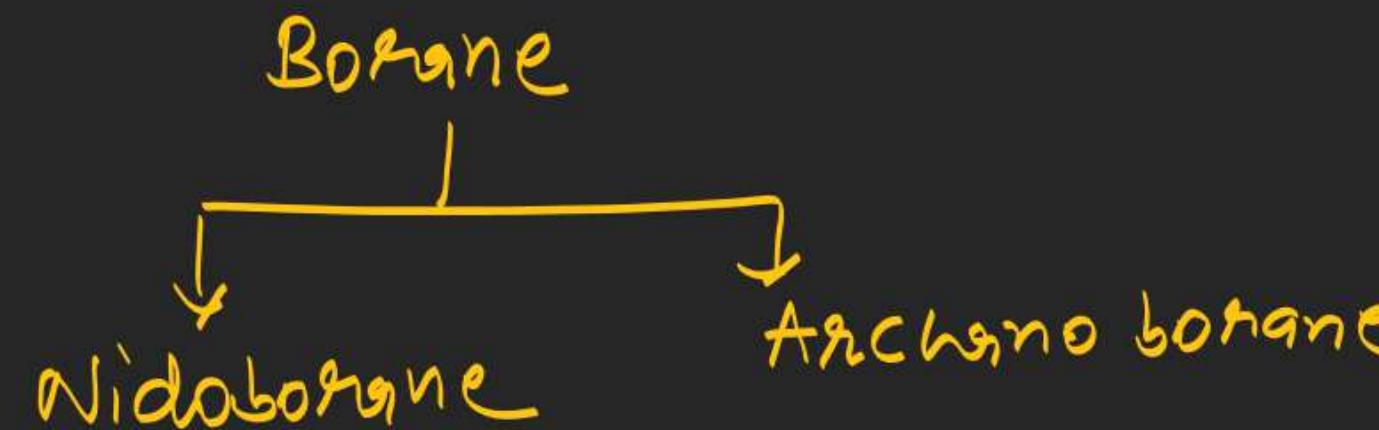
Condition of
cyclic structure

Central atom more
than two

S.A should be equal
to or greater than
the central atom

all boron atoms are not
in same plane

B-O-B linkage = 5

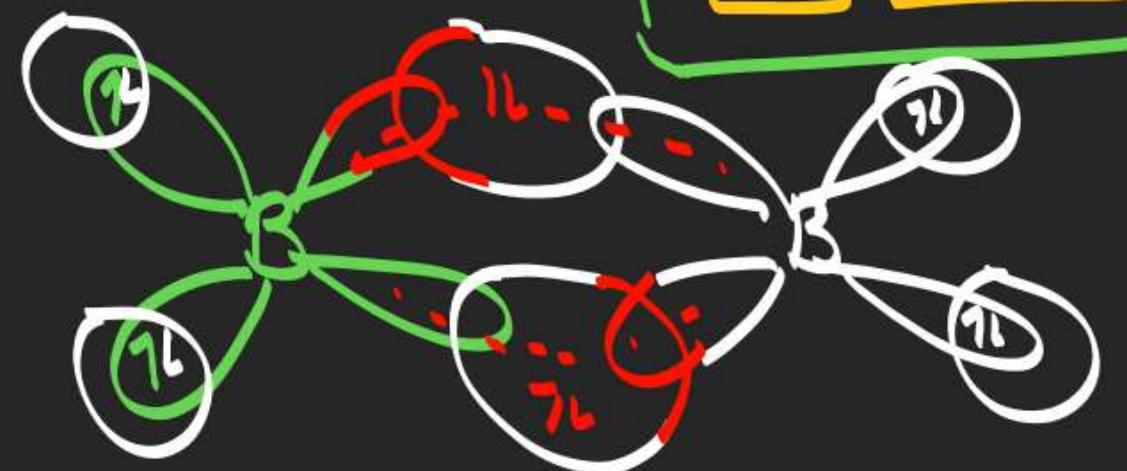


B₂H₆ is a nido borane

B₂H₆

B = 1s² 2s² 2p¹

 - sp³



e^- deficient / hypervalent | Lewis acid \Rightarrow molecule
Which has
less than $8 e^-$

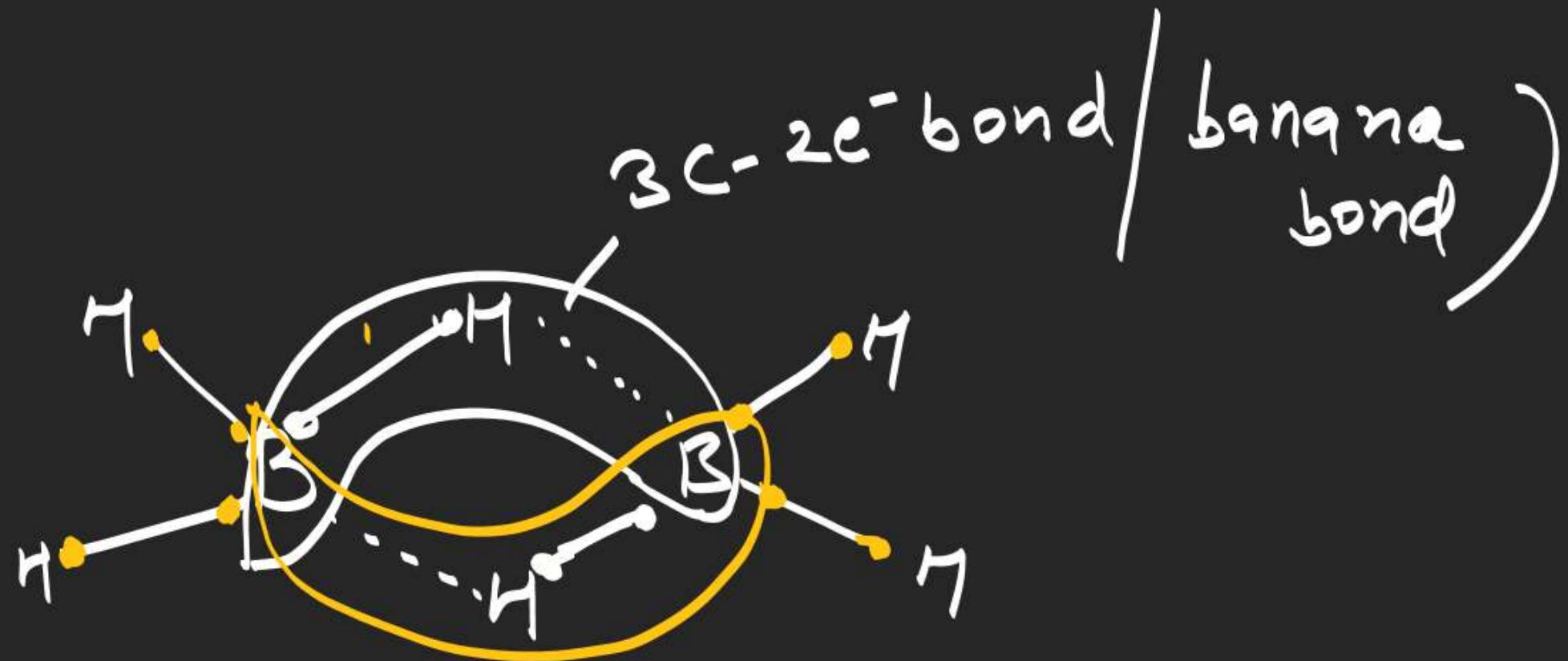
Prep.

② Lab. prep.



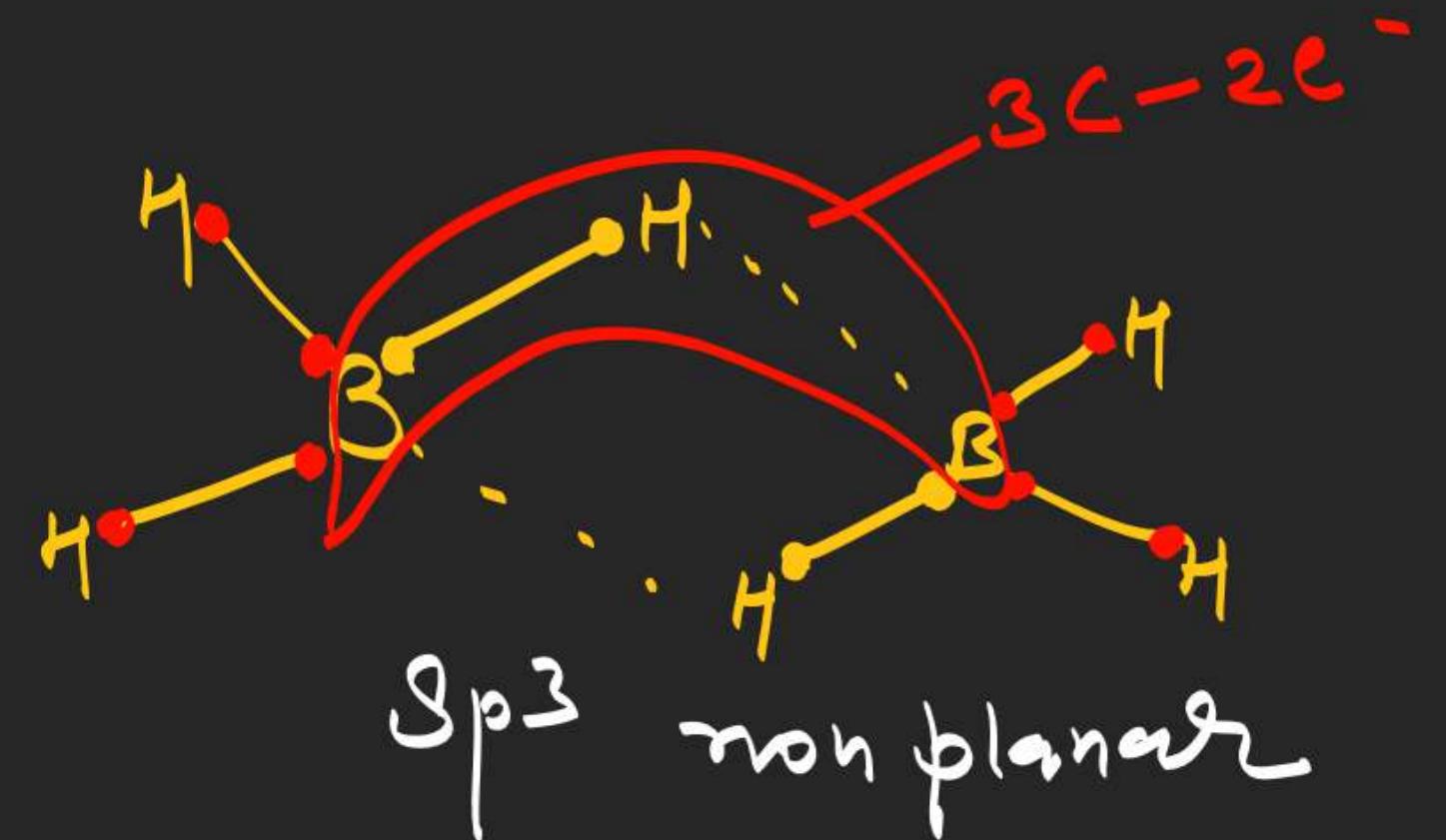
③ Industrial prep.





$3C-2e^-$ bond = two

$2C-2e^-$ bond = four



Lewis acid
e⁻ deficient
hyperval.

Heating effect

