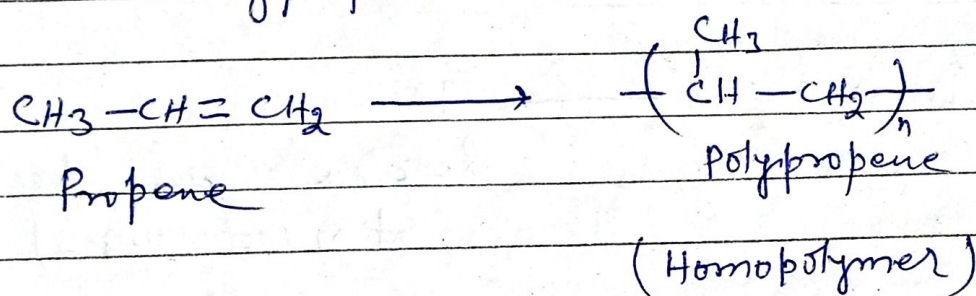


D. Classification of Polymers on the basis of Mode of Polymerisation :→

(I) Addition or chain growth Polymers :→

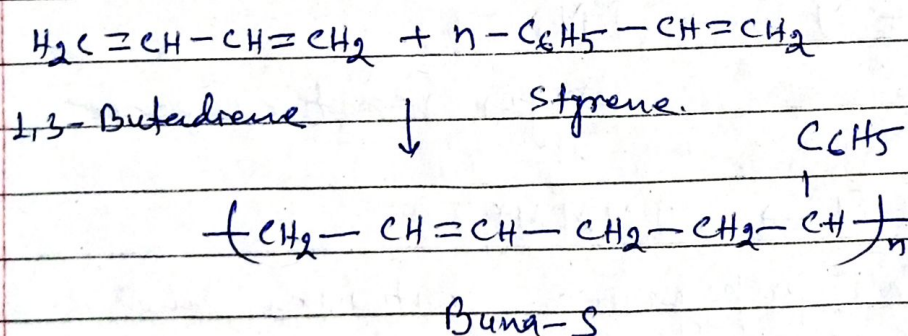
Chain growth polymers are formed by repeated addition of monomer molecules possessing double or triple bonds. eg→ the formation of polyethene from ethene and polypropene. However, the addition polymers formed by the polymerization of a single monomeric species are known as **HOMOPOLYMERS**.

eg → Polypropene



(II) COPOLYMERS :→

The polymers made by addition polymerization from two different monomers are termed as **COPOLYMERS**.



* Buna-S is copolymer of 1,3-Butadiene and styrene.