Ch:3 9/5 -> asb / 1 B -> 6BC/ 2 C -> CC/C $\begin{array}{c} 11/5 \rightarrow \alpha SBA | X \\ B \rightarrow bB | b \\ A \rightarrow \alpha A | X \end{array}$ 37/ Sot 5, aab | as, ab | aas, b | aab S, | S, aba | as, ba | abs, a | aba s, a | baas, 517501 BC: 60= aab, abay baa all are Nau=ZNoV IH! Assume Nay = ZNou for Un) Prove for Until. Every recursive case adds two as for every by Therefore, from the base case for every b added 2 as will be added 50, Naul = 2NbU for U(n+1).