1 Eliminate 2-Productions

Step 1: eliminate 
$$A \rightarrow \lambda$$

## MITH

$$A \rightarrow abb$$

$$A \rightarrow \chi \gamma \gamma$$

$$A \rightarrow \subset x$$

$$S \rightarrow A_1, A \rightarrow A_2, B=A_3$$

$$A_1 \rightarrow A_2 A_3 bla$$

$$A_1 \rightarrow aaA_2A_3b \mid A_3A_3b \mid a$$

$$A_1 \rightarrow aaA_2A_3b \mid bA_2bA_3b \mid a$$

$$= SAB$$

$$^{2}BBBBB = BB$$

$$\chi_{23} = \chi_{22} \cdot \chi_{33}$$

a a abbbbbab can't be constructed by CYK algorithm
because S >> b cannot take a terminal from any two productions.