$L = \{ 1^n + 1^m = 1^{n+m} \mid n \geq 1, m \geq 1 \}$

$1^n 1^m 1^{n+m}$

$S \to 1A1$

$A \to 1A1 \mid +1B1$

$B \to 1B1 \mid =$

$X_1 \to 1$

$X_+ \to +$

$\Rightarrow$

$111 + 11 = 11111$

B

$S \to Z_0 X_1$

$A \to Z_0 X_1 \mid Z_2 Z_1$

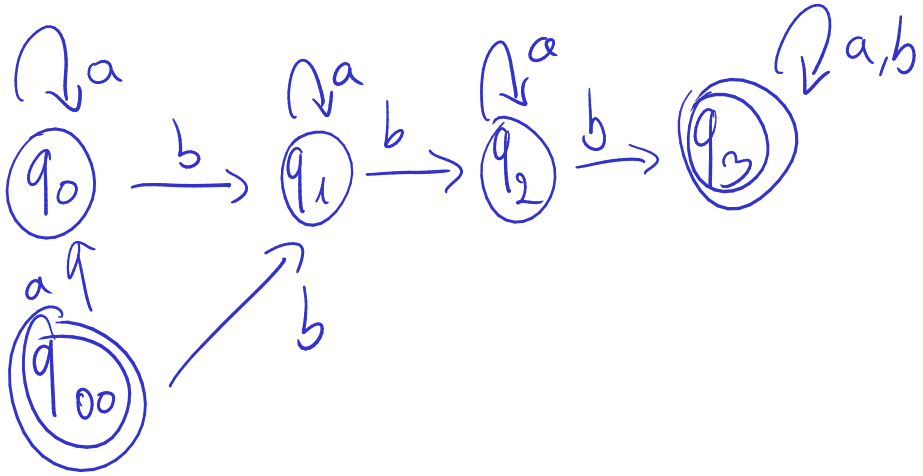
$B \to X_1 Z_1 \mid =$

$Z_0 \to X_1 A$

$Z_1 \to B X_1$

$Z_2 \to X_+ X_1$

$L = \{ w \in \{a,b\}^* \mid w \text{ contiene almeno } 3\ b \}$



$L = \{ w \in \{a,b\}^* \mid w$ ha lunghezza dispari, il simbolo centrale è b, e il primo e l'ultimo simbolo sono uguali $\}$

$S \to aAa \mid bAb$

$A \to aAa \mid aAb \mid bAa \mid bAb \mid b$

$()$ $(())$ $()()$

$S \to (S) \mid SS \mid ()$

$S' \to 0S1 \mid 1S0 \mid 0S0 \mid 1S1 \mid 0 \mid 1$

$S \to 0S1 \mid 1S0 \mid 0S0 \mid 1S1 \mid \varepsilon$

$L = \{ a^m b^n \mid m \leq n \leq 2m \}$ aaaaaabbb

$S \to aaAb \mid aAb$

$A \to aaAb \mid aAb \mid \varepsilon$ aaaaabbb

$S \to aaAb \to aaAbb \to aaaaAbbb \to aaaaabbb$

$L = \{ w \mid w \in \{a,b\}^*, w$ ha un numero di b doppio del numero di $a \}$

$S \to aSbb \mid abSb \mid baSb \mid bSab \mid bbSa \mid \varepsilon$

$L = \{ a^n b^m c^l \mid n \geq 0, m \geq 0, l \geq 0, l \leq n+m \}$

	X				Z_0			
	a	b	c	ε	a	b	c	ε
q_0	(q_0, XX)		(q_2, ε)	(q_1, ε)	(q_0, XZ_0)	(q_1, XZ_0)		(q_0, ε)
q_1		(q_1, XX)	(q_2, ε)	(q_1, ε)				(q_1, ε)
q_2			(q_2, ε)					(q_2, ε)

aaabcc