The power of PDA ~ CFG

$$\begin{array}{c|cccc}
 & CFG \\
 & CFG
\end{array}$$

CFG

$$\begin{array}{c|cccc}
 & CFG
\end{array}$$

CFG

$$\begin{array}{c|cccc}
 & CFG
\end{array}$$

OII, 110, 101

IIG | IGI

011 AOA AAO 01) 0 ( | ( | ) A -> 1 | 1A A->OAA -70 AA 7011 -) 0 1 1 A A -)0111 -> 0 101A -) 01011A

$$\begin{array}{c|c} A \rightarrow OAA \mid AAO \mid AOA& \\ A \rightarrow 1 \mid IA \\ \hline \\ A \rightarrow 1 \mid IA \\ \hline \\ A \rightarrow 1A \\ \hline \\ A \rightarrow 1A \\ \hline \\ A \rightarrow 1A \\ \hline \\ A \rightarrow 0AA \\ \hline \\ IA OAA \\ \\ IA OAA \\ \hline \\ IA OAA \\ \\ I$$

Choose an arbty St

H, > #0 ( A-) OAA ( AAO ( AOA ) / AOA ) LIUL = S-)A|B {2 (#0 + #1)

$$L = \left\{ \begin{array}{c} a^{n}b^{n}c^{n} \\ \end{array} \right\}$$

$$A^{n}b^{n}c^{n}$$

$$A^{n}b^{$$

h= {ambnc.} }  $S_{2} \rightarrow X \gamma$ A-) aA | a (X-) Xab
B-) bBCCF6, CF6, CF6X-) ab 13-7 bc? 7 ->c | c y LINL2 =  $\{anbncn(n)\}$ 

aabb cc

人二分のかつのから PDA + one more Stack. + Que ne PDA + one Add = PDA. abnc^??! PDA = FA+Quene andh Qn6n Unequal no. J.

GMed 2 2pm