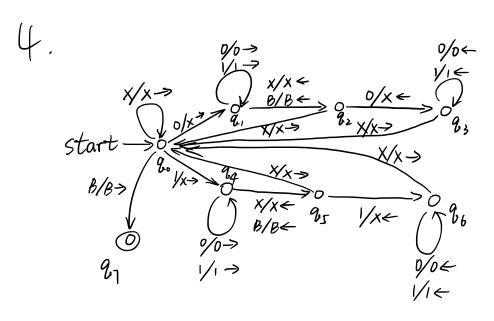
1. Design a PDA to accept the set of all strings of 0's and 1's such that no prefix has more 1's than 0's.

2. Design a PDA to accept the language $L = \{0^n 1^m \mid 0 < n < m < 2n\}.$

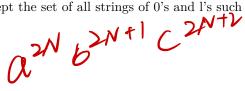
3. Use CFL pumping lemma to show that $L = \{a^i b^j c^k \mid i < j < k\}$ is not a context-free language.

4. Design a Turing machine for the language $L = \{w \mid w \in \{0,1\}^*, w = w^R\}$.

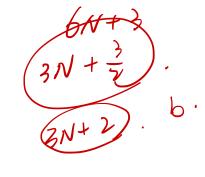
- 2.设计CFG.G为S→ oS1 | oS11 | 00111 由此可以标选PDA P=(393,50.13,50.1.53,8.9.5.43.其中 $S(9,8.8)=\{(9,081),(9,0811),(9,00111)\}.$ $S(9,0,0)=\{(9,8)\}.$ $S(9,1,1)=\{(9,8)\}.$
- 3. 検及 L是CFL. 则由来引扬 B有N. 取る= $a^{2N}b^{2N+1}c^{2N+2}$, |3| > N且 3=uvwxy 其中|vwx| $\leq N$ 且 vx+2. 则 vwx 汉存的下情况
- D VWX包含3届中新、则 VWX仅由b组成从而 UVWx9y 中上
- ②VWX在特点在例1.则VWX由a和b或仅由b组成从而Wiwiy &L
- ③VWX在中底右侧,则VWX由b和C或仅由C组成从而以°Wx°y年L 综上行及没不成立至PL不是CFL.



1. Design a PDA to accept the set of all strings of 0's and 1's such that no prefix has more 1's than 0's.



2N N+1 N-1 2N+2



VWX包含中意,则是具体的时间成从而 Uv°wx°y & L 2. Design a PDA to accept the language $L = \{0^n 1^m \mid 0 < n < m < 2n\}$. VWX在快点在1871、包含a和比较仅包含b-

ta uvwayeL a VWX在中底方(例(包含b和C) 3. Use CFL pumping lemma to show that $L = \{a^i b^j c^k \mid i < j < k\}$ is not a context-free language.

%没满足泵引诱、 唐 N.

HWEL. [W] ZN 满腹乳瘤.

取ることのはいだれれている方はいかなりしているといりなっている。

4. Design a Turing machine for the language $L = \{w \mid w \in \{0,1\}^* \mid w \geq w^R\}$.

 $ada \cdots abbb \cdots b CCC \cdots C$ N+1 N+1

かいいなな中気左便川川角ルグルガy 电L. かいかなな中点を何、同有れでいる。り年し かかかなるますに、別有れかかからりもとし

0/00

1. Design a PDA to accept the set of all strings of 0's and 1's such that no prefix has more 1's than 0's.

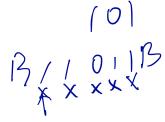
EV. 11 101 1010 B00/100B $X \times X \times X$

2. Design a PDA to accept the language $L = \{0^n 1^m\} < n < m < 2n\}$.

3. Use CFL pumping lemma to show that $L = \{a^i b^j c^k \mid i\}$

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4. Design a Turing machine for the language $L = \{w \mid w \in \{0,1\}^*, w = w^R\}$.

0/0->

