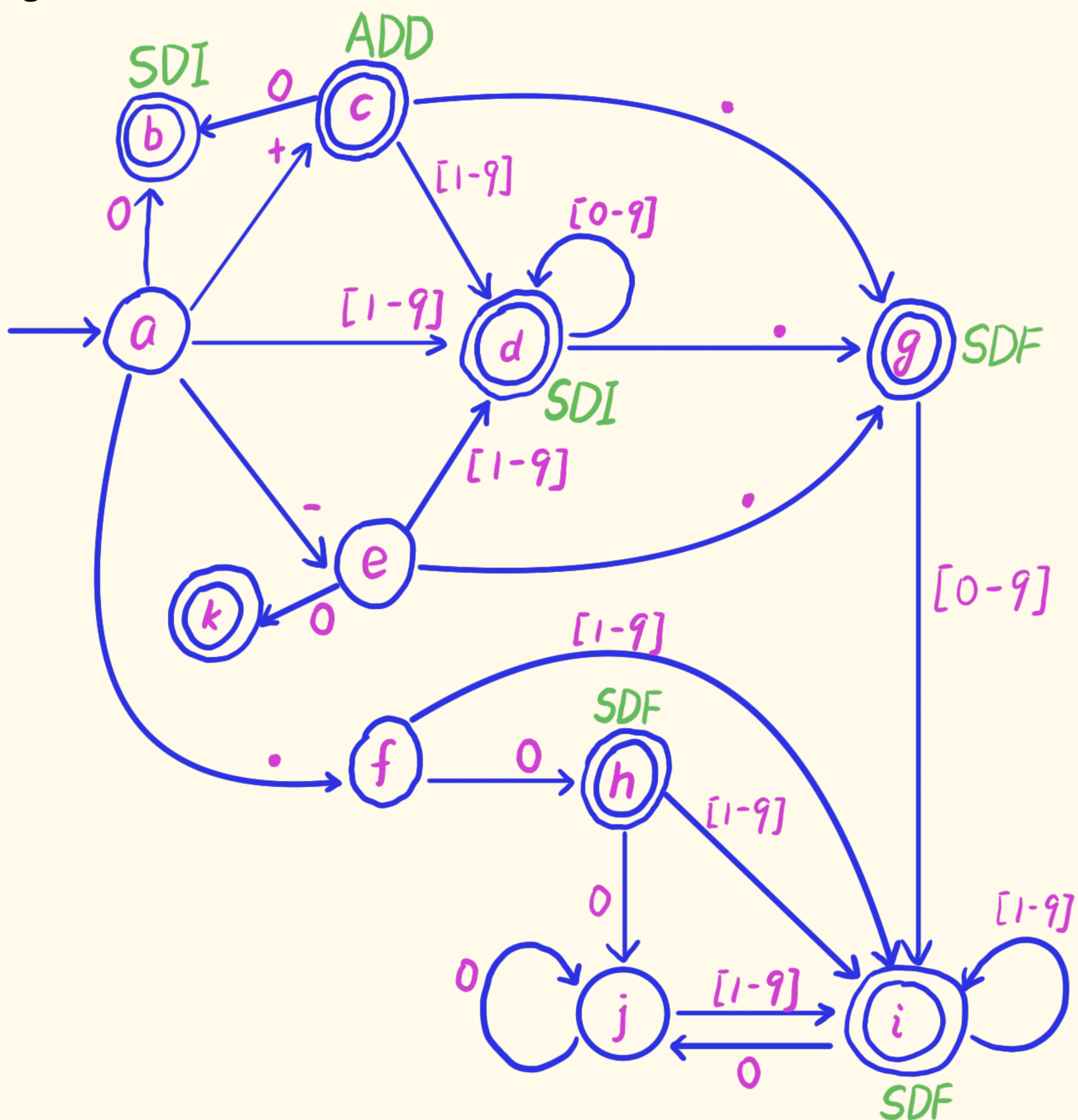
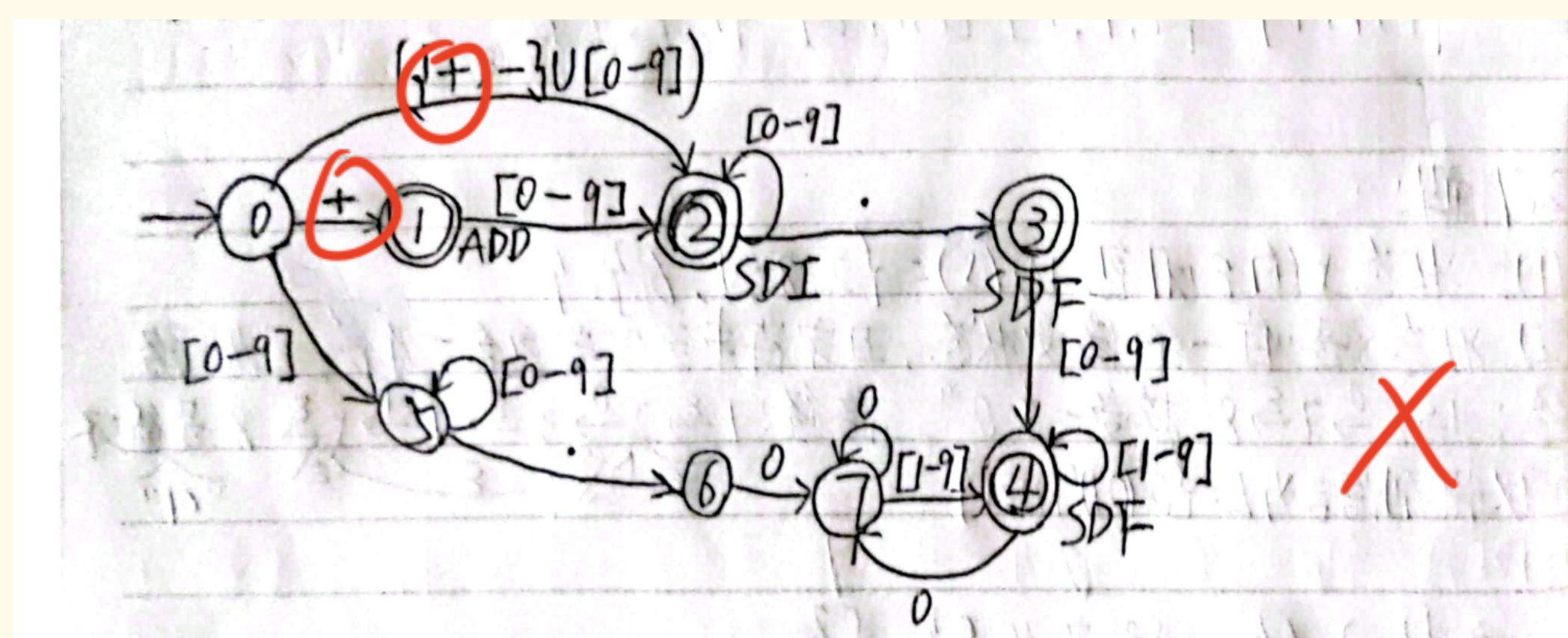


4.2



处理结果: (SDI, 12),
(SDF, +34.0),
(SDF, +.56).

[注] 1. σ -DFA 对于每个输入符号, 只能有一种转移路径。



2. "+"号后面有合法输入, 不能识别为 ADD

3. "-"号不是合法状态

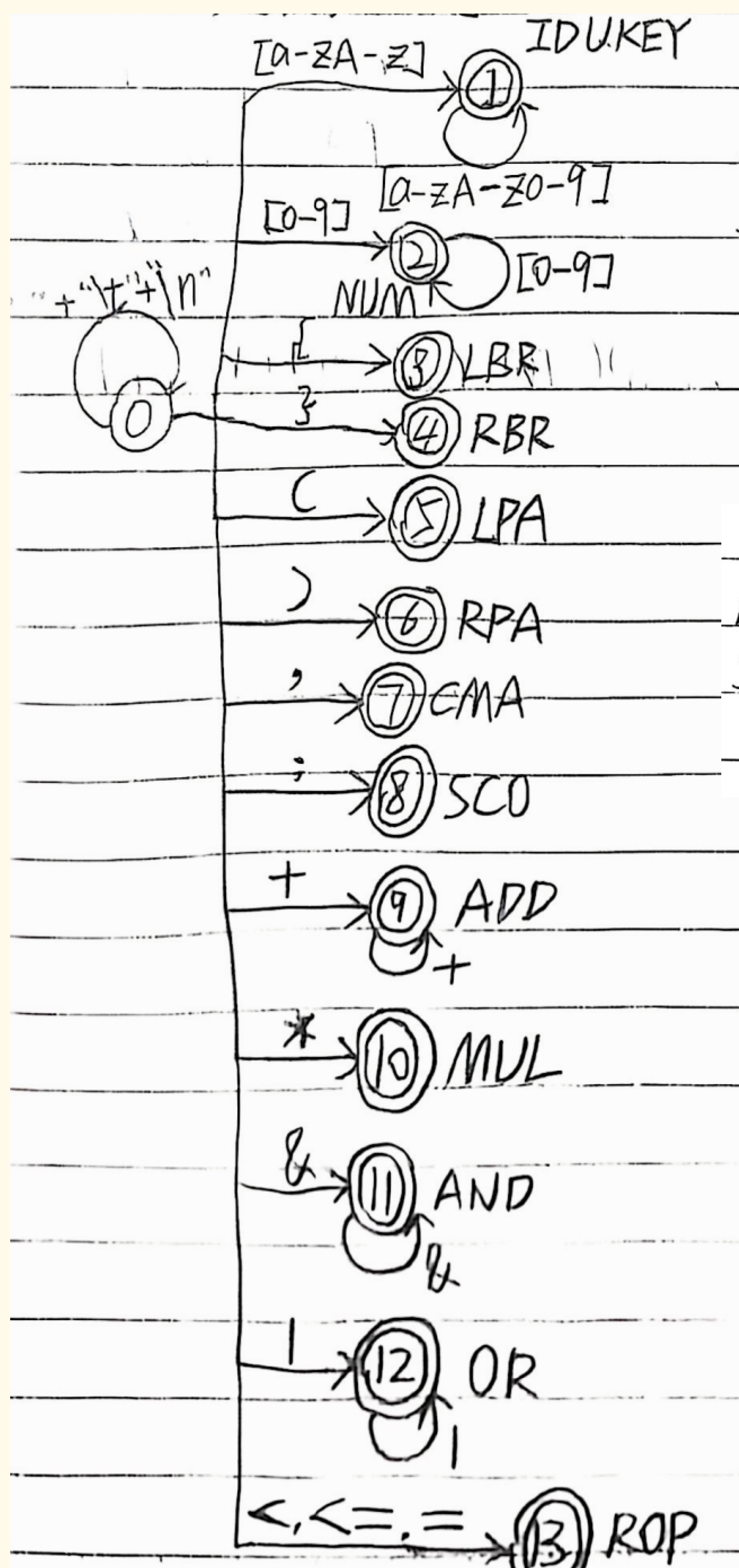
4. "+" , "-" 之后接 "0",

不很确定

大作业

$L = \{SCO, ID, LBR, RBR \dots \dots RBK\}$

$\Pi = \{ \text{ID} \cup \text{INT} \cup \text{VOID} \cup \text{IF} \cup \text{ELSE} \cup$
 $\text{WHILE} \cup \text{RETURN}, SCO, \dots \dots \}$



→ IDUKEY.

大概按符号画一些

←

$\psi = \{(1, IDUKEY), (2, NUM), (3, LBR), (4, RBR), (5, LPA), (6, RPA), (7, CMA), (8, SCO), (9, ADD), (10, MUL), (11, AND), (12, OR), (13, ROP)\}$

φ , 状态相互对应

下面方法二选一

电脑程序版

```
(INT, int) (ID, raw) (LPA, () (INT, int) (ID, x) (SCO, ;) (RPA, )) (LBR, {}) (ID,
y) (ERR, =) (ID, x) (ADD, +) (NUM, 5) (SCO, ;) (RETURN, return) (ID, y) (RBR, })
(SCO, ;) (VOID, void) (ID, foo) (LPA, () (INT, int) (ID, y) (SCO, ;) (RPA, ))
(LBR, {}) (INT, int) (ID, z) (SCO, ;) (VOID, void) (ID, bar) (LPA, () (INT, int)
(ID, x) (SCO, ;) (INT, int) (ID, soo) (LPA, () (RPA, )) (SCO, ;) (RPA, )) (LBR,
{}) (IF, if) (LPA, () (ID, x) (ERR, >) (NUM, 3) (RPA, )) (ID, bar) (LPA, () (ID,
x) (ERR, /) (NUM, 3) (CMA, ,) (ID, soo) (LPA, () (RPA, )) (CMA, ,) (RPA, ))
(ELSE, else) (ID, z) (ERR, =) (ID, soo) (LPA, () (ID, x) (RPA, )) (SCO, ;) (ID,
print) (ID, z) (RBR, }) (SCO, ;) (ID, bar) (LPA, () (ID, y) (CMA, ,) (ID, raw)
(LPA, () (RPA, )) (CMA, ,) (RPA, )) (RBR, }) (SCO, ;) (ID, foo) (LPA, () (NUM, 6)
(CMA, ,) (RPA, ))
```

手写版

*手工模拟测试						
int raw(int xi){						
state	ch	testval	index	lastloc	lastkind	ret/en
0	i	i	0	0	ERR	enter
2	n	in	1	0	ID	enter
2	t	int	2	1	ID	enter
2	#	int#	3	2	ID	enter
1	#	int10	3	2	INT	ret
0	r	r	0	0	ERR	enter
2	a	ra	1	0	ID	enter
2	w	raw	2	1	ID	enter
2	(raw(3	2	ID	enter
1	#	raw10	3	2	ID	ret
0	((0	0	ERR	enter
8	i	(i	1	0	LPA	enter
1	#	(10	1	0	LPA	ret
0	i	i	0	0	ERR	enter
2	n	in	1	0	ID	enter
2	t	int	2	1	ID	enter
2	#	int#	3	2	ID	enter
1	#	int10	3	2	INT	ret
0	x	x	0	0	ERR	enter
2	j	xj	1	0	ID	enter
1	#	x10	1	0	ID	ret
0	j	j	0	0	ERR	enter

state	ch	testval	index	lastloc	lastkind	ret/en
1	>	> ;)	1	0	SCO	enter
1	#	>10	1	0	SCO	ret
0	>	>	0	0	ERR	enter
9	{	} }	1	0	RPA	enter
1	#	>	1	0	RPA	ret
0	{	{	0	0	ERR	enter
6	#	{#	1	0	LBA	enter
1	#	{	1	0	LBA	ret

最终结果为:

(INT,-)(ID,raw)(LPA,-)(INT,-)(ID,x)(SCO,-)(RPA,-)(LBR,-)

手写只解析第一行

(INT,-) (ID,raw)

(LPA,-) (INT,-)

(ID,x) (SCO,-)

(RPA,-) (LBR,-)