## Homework 2: Book assignment

1.

- a. Valid
- b. Invalid
- c. Invalid
- d. Valid

2.

- a. Identifiers: assign, id, expr, A, B, C
- b. Operators: \*, +, -
- c. Seperators: (, ), |

3. 
$$B = B + (C + (A * A))$$

$$B = \langle expr \rangle$$

$$B = \langle id \rangle + \langle expr \rangle$$

$$B = B + \langle expr \rangle$$

$$B = B + (\langle expr \rangle + \langle id \rangle)$$

$$B = B + (C + \langle expr \rangle)$$

$$B = B + (C +  * )$$

$$B = B + (C + (A * < expr>))$$

$$B = B + (C + (A * < id >))$$

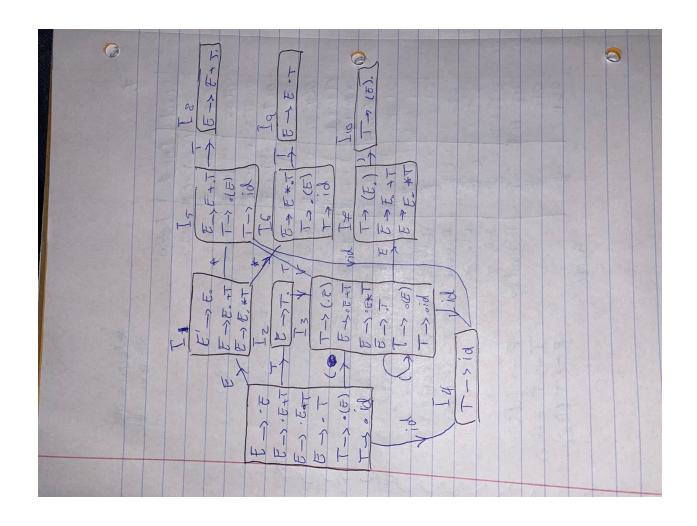
$$B = B + (C + (A * A)$$

В

...

	+	*	(	)	Id	\$	E	T
0		S3		S4			1	2
1	S5	S6						
2	R3	R3	R3	R3	R3	R3		
3			S3		S4		7	2
4	R5	R5	R5	R5	R5	R5		
5			S3		S4			8
6			S3		S4			9
7	S5	S6		S10				
8	R1	R1	R1	R1	R1	R1		
9	R2	R2	R2	R2	R2	R2		
10	R4	R4	R4	R4	R4	R4		

$$\Rightarrow$$
 T -> id



			rm.	mm	
* Actions are	ane row off.	(KG) (4)	(RC)	(kt) 5) (R5) (R6)	F-> Id (RC)  T-> T : F (R3)  E-> T (R2)
*	one	1 F > Id(RG) 5-> F (R4) F>T (R2)		67 E + (Lts)  by F -> (E) (R5)  by T -> F (R6)	
		Reduced 104	Shift 6 Sh 5 Reduced by	Shiff II Roluceol Reduced Sh 7	
	Input (a+b) · C&	+ b)· C\$ + b)· C\$ + b)· C\$	(a) . C (b) . C (c) .	. 0000	a a a
7.	Stack	0 (4F3	0(4E8665 0(4E8665 0(4E8465 0(4E8+6F3	0(6E8)11 053 072 072 072 072	072 . 7510 OT2 0 G !
0			8		9
7777	PPP	PPP	***	**	99999999