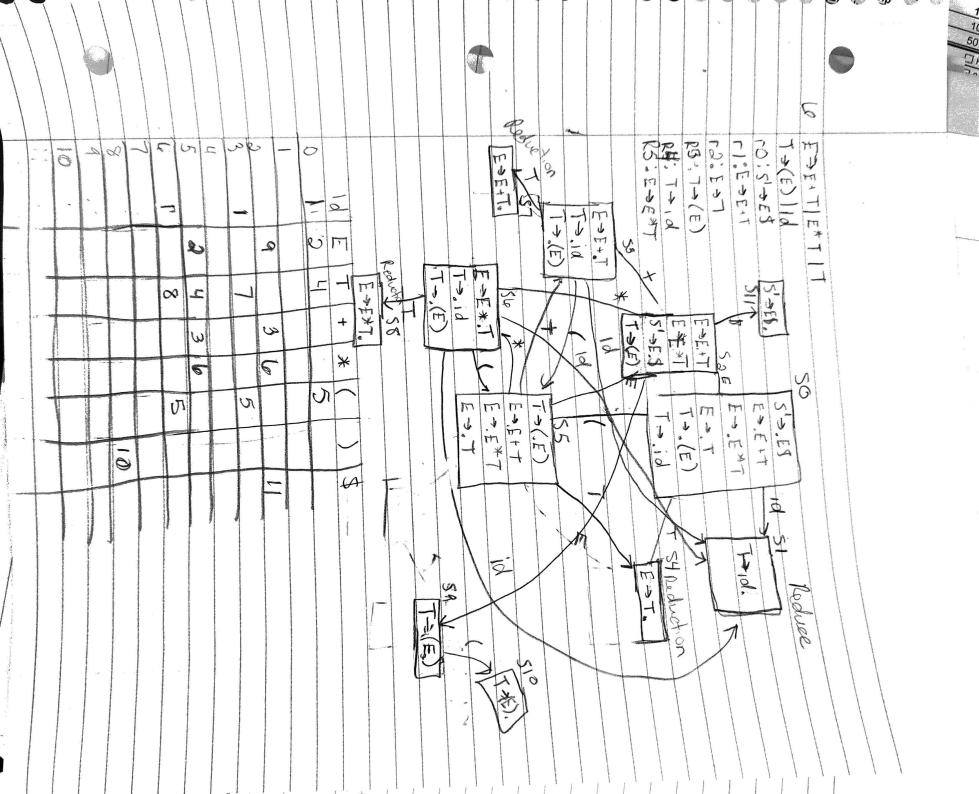
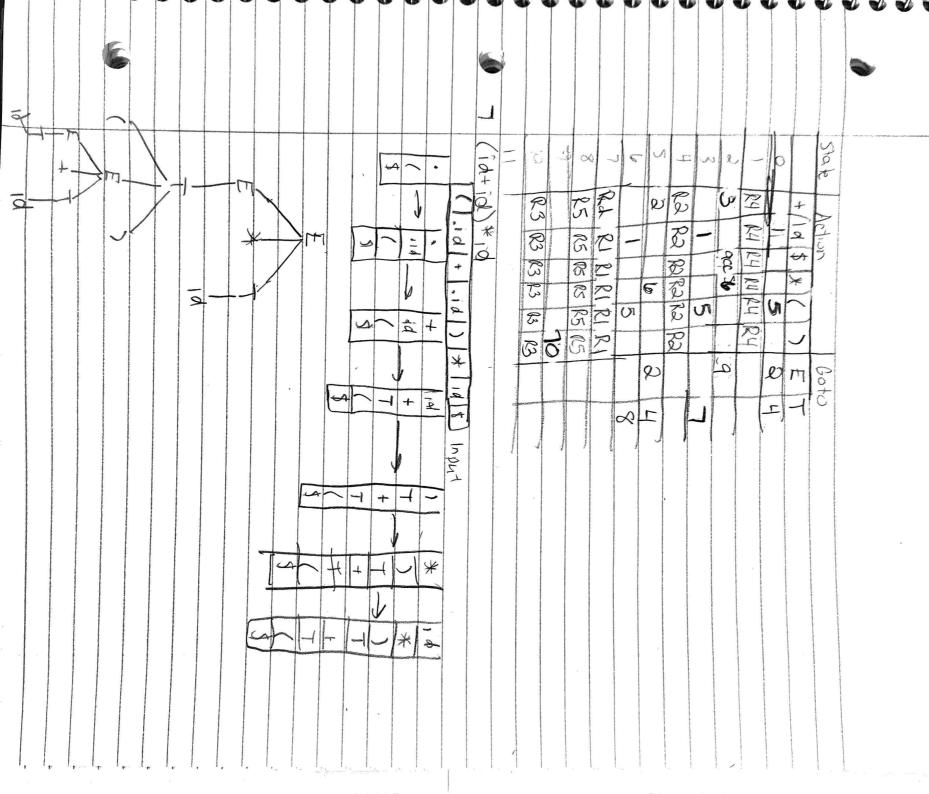
Homework 2
1 Given the grammar below, identify which sentences are in the language
<5>> <a>ab (9.baab)
<a> -> < A> 6 1 b bbb Ab
→ a/a C.bbaaqaaa
(d) bbaab
2 Tokens Lexemes
1d ABC
assignment =
Operators: + *
Left paren
Right peren)
3 Left-Most derivation B=B+(C+(A*A)) Parse Tree
$Assign \rightarrow < 1d> = < expr> < assign>$ $\Rightarrow B = < expr>$
$\Rightarrow B = \langle id \rangle + \langle expr \rangle $ < $id > = \langle expr \rangle$
→ B= B + < expr>
→ B= B+ (<expr>) B <id>+ <expr></expr></id></expr>
$\Rightarrow B = B + (id) + (expr)$
$\rightarrow B = B + (C + \langle expr \rangle)$
$\rightarrow \beta = \beta + (C + (\langle expr \rangle)) \qquad (\langle expr \rangle)$
$\rightarrow B = B + (C + (i d) + (expr))$
$\rightarrow B = B + (C + (A * \langle expr^2 \rangle))$
$\Rightarrow B = B + (C + (A^* < id))$ < do not be seen to be
$\Rightarrow 3 = 8 + (C + (A + A))$
C ((expr>)
(19) * <000
410 ²⁻²
A
A

7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
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The second of th





Shape to	
	6
J (10+10)+ J	
リ(ロ)キュ	
ログロギー	8
	1