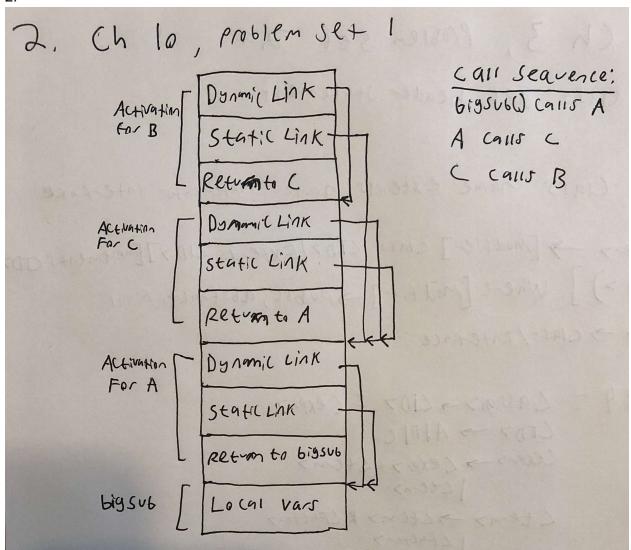
## Homework #6

2.



3

4. 3.4 = Lassign> = LID7 = Lexpr7

LID7 = AIBIC

Lexpr> = Lexpr> + Lerm>

Lexpr> = Lexpr> + Lerm>

Lexpr> = Lexpr>

Lid>

Revritten: Lassign> = Lid> = Lexpr>

Lid> = AIBIC

Lexpr> = Lexpr> + Lexpr>

Lexpr> = Lexpr> | Lexpr> | Lexpr>

Lexpr> = Lexpr> | Lexpr> | Lexpr> | Lexpr> | Lexpr> = Lexpr> = Lexpr> | Lexpr> | Lexpr> | Lexpr> = Lexpr> | Le

5.

5.	
A= (A+B)*C	
<assign></assign>	<pre><qssign> &gt; <id> = <expr></expr></id></qssign></pre>
17	- A = < expr>
<id> = <expr></expr></id>	→ A= < term>
	-> A = <ferm? *="" <factor=""></ferm?>
A <term7< th=""><th>-&gt; A= cfactor&gt; * cfactor&gt;</th></term7<>	-> A= cfactor> * cfactor>
/1>	-> A= (cexpr>)*cfactor7
<pre></pre> <pre><pre><pre></pre> <pre></pre> <pre><th>7 A = (corpr* &lt; term?) * &lt; factor?</th></pre></pre></pre>	7 A = (corpr* < term?) * < factor?
	> A=(cterm>+cterm>)*ctador
cfactor? (2id?)	7A=(cfactor>+cterms)*cfactor>
	-A=(cid>+ < term>)*< factor> -A=(A+ <term>)*<factor></factor></term>
( cexpr>) Cc	-> A=(A+ efactor) * < Factor>
cexpr7 + cterm?	> A= (A+B) * < factor>
	-> A=(A+B) * < id>
<pre></pre> <pre><pre><pre><pre></pre> <pre><pre></pre> <pre></pre> <pre><pre></pre> <pre></pre> <pre></pre></pre></pre></pre></pre></pre>	> A= (A+B) * C
Lfactor7 Lid7	· B
cid> B	
A	

6.

0.	
	11 CONSIDER THE FOLLOWING GRAMMAR:
	<577 <a79 <b76<="" th=""></a79>
	<a>&gt; &gt; <a>&gt; <a>&gt; b   b   6   6   6   6   6   6   6   6  </a></a></a>
	< B> > a < B>   a
	<577 <a792b76< th=""></a792b76<>
	a) baab > ba <b>b</b>
	765 > bagb V
	b) bbbab <5>7 <a79<b76< th=""></a79<b76<>
	7 CA769 CB76
	7-A76b9-B76
	-> pppd< B>px

7.  $S \Rightarrow A \quad \{bA\}$   $A \Rightarrow a \quad [b]A$   $S \Rightarrow S \quad bA \quad [A]$   $A \Rightarrow a \quad A \quad [ab]A$   $A \Rightarrow a \quad A \quad [ab]A$   $A \Rightarrow a \quad A \quad [ab]A$ 

8.

Lage Setement > := (	ase Lexpression > of Loas	e 1st element and
	Limple expression>	Louse label list>
	(term)	Lempty>
	<factor></factor>	
	<pre><variable></variable></pre>	
	Lentine variable>	
	Lvariable identifier>	
	Lidentitiers	
	Letter>	
	= rage Lletter > encl	
Lage statement>		

Benjamin Bowser Brendan Nofs John Biggs Mike Zedeker

9.

Ben: Completed questions 2, 3, 4 with Mike. Checked questions 5 & 6.

Mike: Helped Ben with 2, 3, 4, completed question 8.

Brendan: Completed questions 5 and 6 with input from John. Looked over all other solutions

John: Completed 8 and helped Brendan with 5 and 6.

**Everyone:** Completed the post semester survey