Nicholas Carmello
Design of compilers
Monday, March 14th
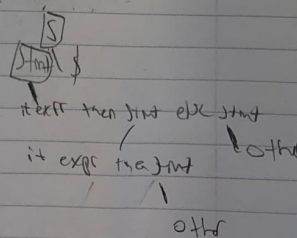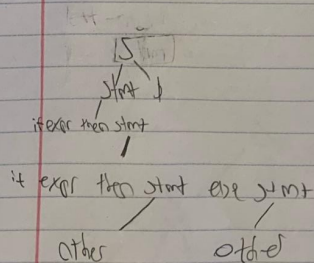
lab 4 - crafting compiler - first and follow

$S \rightarrow a S e$
$\quad | B$
$B \rightarrow b B c$
$\quad | C$
$C \rightarrow c C e$
$\quad | d$

	First	follow
S	$\{a,b,c,d\}$	$\{\$,e\}$
B	$\{b,c,d\}$	$\{e\}$
C	$\{c,d\}$	$\{e\}$

lab 4 - dangling parse
→ two different are left+most and right most
→ if expr then it expr then other else other

if expr then stmt

it expr then stmt else stmt

other   other

it expr then stmt else stmt

it expr then stmt   other

other

Lab 4. Dragon Book 4.4.3

	first	Follow
<S>	{a}	{$,+,*}