Let's write an LL(1) parser for the following grammar for Prefix notation

 $\begin{array}{c} E \rightarrow n \mid A \\ A \rightarrow (B) \\ B \rightarrow +EE \\ B \rightarrow *EE \end{array}$ 

## (Don't type the spaces!!)

What are the sets First(A), First(B) and First(E)? A must start with a '(', B starts with either + or \*, and E starts with a '(' or n

What are the sets Follows(A),Follows(B) and Follows(E)? A is followed by '\$'or '(' or ')' or a number n B is followed by a ')' And since E reduces to a single number, which is followed by \$, or what follows A, we have '\$' or '(' or ')' or a number n.

Select Input, enter the First and Follow sets and build the parse table.

JFLAP : <untitled1></untitled1>										
File Input Test Convert Help										
Editor Build LL(1) Parse										
Do Selected Do Step Do All Next Parse										
Е	$\rightarrow$ n			able complete. Press	"parse" to use	it.				
Е	$\rightarrow$	A	A		{(}	FIRST	{ \$, (,	FOLLC .), n }	<u></u>	
A	$\rightarrow$	(B)	B		{*,+} {(,n}		{ ) } { \$, (,	), n }		
В	$\rightarrow$	+EE								
В	$\rightarrow$	*EE								
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			A	(	)	*	+	n	\$	
			B	(0)		*EE	+EE			
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