0. <s> ::= <e< th=""><th></th><th></th><th>First</th><th></th><th></th><th>Follow</th><th></th><th></th></e<></s>			First			Follow				
1. <e> ::= <t> <x> 2. <x> ::= + <t> <x></x></t></x></x></t></e>			First(T)> (id			\$)				
3. <x> ::= ε 4. <t> ::= <f> <v> 5. <v> ::= * <f> <v> 6. <v> ::= ε 7. <f> ::= (<e>) 8. <f> ::= id</f></e></f></v></v></f></v></v></f></t></x>		<x></x>	+		-	Follow(E) AND Follow(X)>)				
		<t></t>	First(F)> (id			First(X) AND Follow(E) AND Follow(X)> +) em				
		<v></v>	*		empty	Follow(T) AND Follow(V)	> +)		
		<f></f>	(id			First(V) AND Follow(T) AND Follow(V)> * +)				
First		J				1				
	+		*	()		id	Epsilon		
<e></e>				X			X			
<x></x>		X						X		
<t></t>				X			X			
<v></v>			X					X		
<f></f>				X			X			
Follow			T.	Т	1.					
	+		*	()		id			
<e></e>						X				
<x></x>						X				
<t></t>		X				X		X		
<v></v>		X				X				
<f></f>		X	X			X		X		
M			*	1			id	\$		
<e></e>	+)		iu	Φ 0		
<x></x>		x 2								
<t></t>		x 4				x 4				
<v></v>			x 5							
<f></f>		x 7	x 7			x 7				

What is the M set used for?

0. <s> ::= <prog>\$</prog></s>					First			Follo	Follow			
1. <prog></prog>	> ::= {	mts> } nt> <stmts< td=""><td>> <</td><td>Prog></td><td>{</td><td></td><td></td><td>\$</td><td colspan="4">\$</td></stmts<>	> <	Prog>	{			\$	\$			
3. <stmts< td=""><td>3 =:: <ε</td><td></td><td></td><td>Stmts></td><td colspan="4">> First(Stmt)> id if empty }</td><td colspan="4">} Follow(Stmts)> }</td></stmts<>	3 =:: <ε			Stmts>	> First(Stmt)> id if empty }				} Follow(Stmts)> }			
4. <stmt> 5. <stmt></stmt></stmt>	> ::= if (<e< td=""><td></td><td> <</td><td>Stmt></td><td>id if</td><td></td><td></td><td>First(S</td><td colspan="4">First(Stmts) AND Follow(Stmts)> id if }</td></e<>		<	Stmt>	id if			First(S	First(Stmts) AND Follow(Stmts)> id if }			
<stmt> 6. <expr></expr></stmt>	6. <expr> ::= id <etail></etail></expr>				id			`	;) Follow(Etail)> ;)			
7. <etail> ::= + <expr> 8. <etail> ::= - <expr> 9. <etail> ::= ε</etail></expr></etail></expr></etail>				Expr> Etail>	+ -		em					
irst		Τ.			T	T.,					T =	
	{	}	id	=	;	if	()	+	-	Epsilon	
<prog></prog>	X											
<stmts></stmts>			X			X					X	
<stmt></stmt>			X			X						
<expr></expr>			Х									
<etail></etail>									Х	X	Х	
ollow		•	•	'	•	•	'	•		•		
	{	}	id	=	;	if	()	+	-		
<prog></prog>												
<stmts></stmts>		X										
<stmt></stmt>		X	X			X					X	
<expr></expr>					X			X				
<etail></etail>					X			X				
Л								l	I			
	{	}	id	=	,	if	()	+	-	\$	
<prog></prog>											0	
<stmts></stmts>			x 2			x 2						
<stmt></stmt>		X	X 4	1		x 5						
				=		7.0	+			+		
<expr></expr>												

> If Stmt was empty and rule 2 was different, would the First(Stmts) --> First(some nonterminal) Is the grammar guaranteed to be LL1 parsable

	::= <a>\$			First			Follow	Follow				
	::= <r> <d: ::= + <r> <</r></d: </r>		<a>	> First(R)> (int			\$)	\$)			
3. <d></d>	::= - <r> < </r>		<d:< td=""><td>> +-</td><td></td><td></td><td colspan="4" rowspan="2">Follow(A)>)</td></d:<>	> +-			Follow(A)>)					
4. <d></d>	::= ε ::= <c> <b:< td=""><td>_</td><td></td><td></td><td>') > (int</td><td></td></b:<></c>	_			') > (int							
	::= * <c> < </c>		<r:< td=""><td></td><td colspan="4">First(C)> (int</td><td colspan="4">First(D) AND Follow(A) AND Follow(D) -</td></r:<>		First(C)> (int				First(D) AND Follow(A) AND Follow(D) -			
7. 	::= / <c> <e< td=""><td></td><td> </td><td>* /</td><td></td><td></td><td>empty</td><td>Follow(R)</td><td>> + -)</td></e<></c>			* /			empty	Follow(R)	> + -)			
8. 9. <c> 10. <c></c></c>	::= (A)		<c:< th=""><th>> (int</th><th></th><th></th><th colspan="3">First(B) AND Follow(R) AND Follow(B)</th></c:<>	> (int			First(B) AND Follow(R) AND Follow(B)					
First												
	+	-	*	/	()	int	Epsilon				
<a>					X		X					
<d></d>	X	X						X				
<r></r>					X		X					
			X	X				X				
<c></c>					X		X					
Follow				_				-				
	+	-	*	/	()	int					
<a>						X						
<d></d>						X						
<r></r>	X	X				X		X				
	X	X				X		X				
<c></c>	X	X	X	X		X		X				
М		_		1	_		ı	1	7			
	+	-	*	/	()	int	\$				
<a>								0				
<d></d>	x 2	x 3										
<r></r>	X	X				x 5						
	x 8	x 8	x 6	x 7		x 8						
<c></c>	X	X	X	X		X						

empty

empty

empty

0. <s></s>	::= <a>\$				First				Follow
	::= <m> <c< td=""><td>)></td><td></td><td><e></e></td><td></td><td></td><td></td><td></td><td>1 Gliovv</td></c<></m>)>		<e></e>					1 Gliovv
	::= ▲ < > ⓒ								
	• ::= ◎ ⊗			<m></m>					
4. <m></m>				<0>					
	· ::= ③ <j></j>								
	::= ▲ <j></j>			<j></j>					
7. <j></j>				<l></l>					
	8. < > ::= ¾ < > 9. < > ::= ε								
First	•								
	•	©	8		6 6	③	*	Epsilon	7
<e></e>									
<m></m>									
<o></o>									
<j></j>									
<u><</u> >									
Follow									
	•	☺	8		Ô Ô	③	*		
<e></e>									
<m></m>									
<0>									
<j></j>									
<l></l>									
M	Τ,	(i)	8	1			w	t t	7
<e></e>	•		0		Ô Ô	③	*	\$	_
< <u>C></u>									-
<0>									-
<j></j>									-
<l></l>									+
<u> </u>									

0. <s>:</s>					First				Follow	
1. <a>:	<a>	,								
2. <d>:</d>										
3. <d>:</d>	<d></d>	•								
5. <r>:</r>	<r></r>	•								
	6. ::= * <c> 7. ::= / <c> 8. ::= ε</c></c>									
	9. <c> ::= num</c>				•					
	::= (<a>)			1					•	
First		1.				1,			¬	
	+	*	/		num	()	Epsilon		
<a>										
<d></d>										
<r></r>										
										
<c></c>										
Follow	l					I		"		
	+	*	/		num	()			
<a>										
<d></d>										
<r></r>										
										
<c></c>										
M	· I					I				
	+	*	/		num	()	\$		
<a>										
<d></d>										
<r></r>										
										
<c></c>										