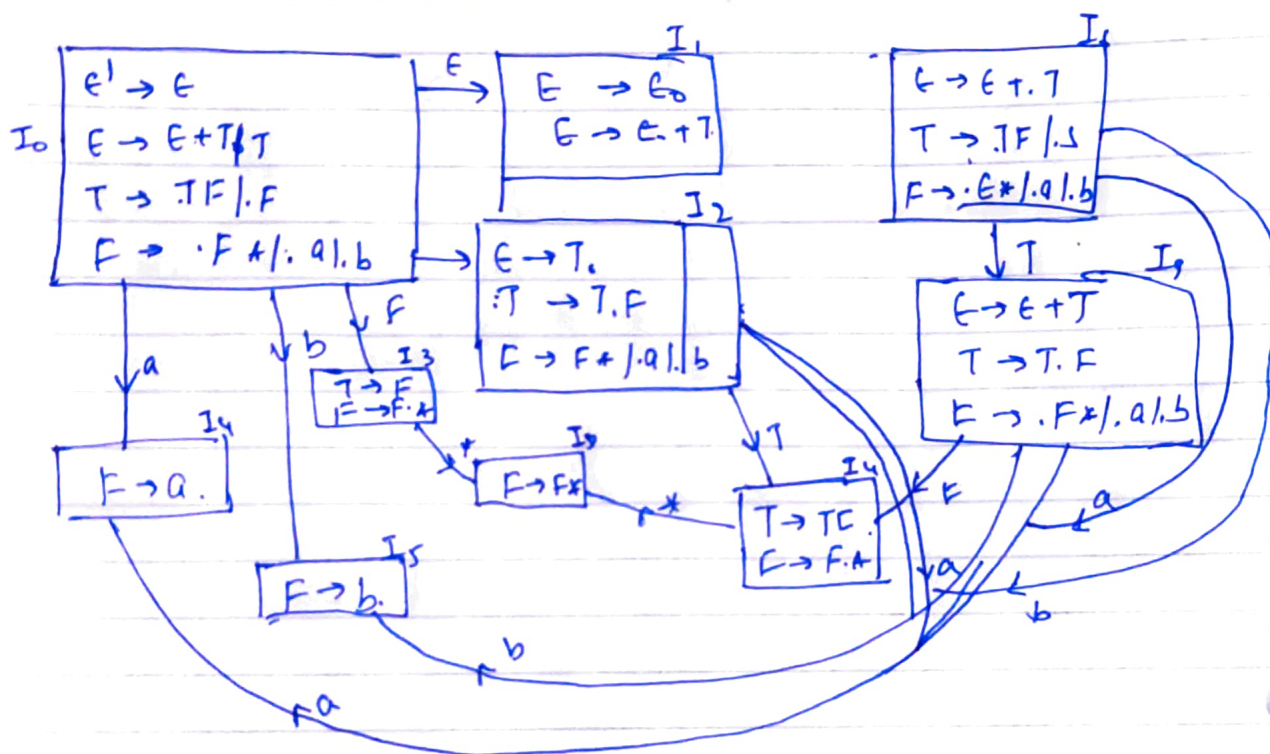


Compiler Design

Assignment 3

RA1911003010143
Abhishek Kumar

	first()	follow()
$E \rightarrow E + T \mid T$ ① ②	{a, b}	{ \$, + }
$T \rightarrow TF \mid F$ ③ ④	{a, b}	{ \$, +, a, b }
$F \rightarrow F * \mid a \mid b$ ⑤ ⑥ ⑦	{a, b}	{ \$, +, *, a, b }



SR(L) Parsing Table :-

	Action					GOTO		
	+	*	a	b	\$	E	T	F
0			S ₄	S ₅		1	2	3
1	S ₆				r			
2	r ₂		S ₄	S ₅	r ₂			7
3	r ₃	S ₈	r ₄	r ₄	r ₄			
4	r ₆	r ₆	S ₆	r ₆	r ₆			
5	r ₇	r ₇	S₄	S₅	r ₇			
6			S ₄	S ₅				
7	r ₃	S ₈	r ₃	r ₃	r ₃			
8	r ₅	r ₅	r ₅	S ₅	r ₆			
9	r ₁		S ₄	S ₅	r ₁			7