

$$T \rightarrow TF \mid F$$

$$F \rightarrow F^* \mid a$$

Automata la gramática

$$0) T' \rightarrow T$$

$$1) T \rightarrow TF$$

$$2) T \rightarrow F$$

$$3) F \rightarrow F^*$$

$$4) F \rightarrow a$$

Crear Automata

$$\text{cerradura} = (\{[T' \rightarrow \cdot T]\}) = \{$$

$$T' \rightarrow \cdot T, \$$$

$$T \rightarrow \cdot TF, \$/a$$

$$T \rightarrow \cdot F, \$/a$$

$$F \rightarrow \cdot F^*, \$/a/*$$

$$F \rightarrow \cdot a, \$/a/*$$

$$\} = I_0$$

$$\text{goto}(I_0, T) = \{$$

$$T' \rightarrow T \cdot, \$$$

$$T \rightarrow T \cdot F, \$/a$$

$$F \rightarrow \cdot F^*, \$/a/*$$

$$F \rightarrow \cdot a, \$/a/*$$

$$\} = I_1$$

$$\text{goto}(I_0, F) = \{$$

$$T \rightarrow F \cdot, \$/a$$

$$F \rightarrow F \cdot *, \$/a/*$$

$$\} = I_2$$

$$\text{goto}(I_0, a) = \{$$

$$F \rightarrow a \cdot, \$/a/*$$

$$\} = I_3$$

$$\text{goto}(I_1, F) = \{$$

$$T \rightarrow TF \cdot, \$/a$$

$$F \rightarrow F \cdot *, \$/a/*$$

$$\} = I_4$$

$$\text{goto}(I_1, a) = I_3$$

$$\text{goto}(I_2, *) = \{$$

$$F \rightarrow F^* \cdot, \$/a/*$$

$$\} = I_5$$

$$\text{goto}(I_4, *) = I_5$$

Estado	Acción			Goto	
	a	*	\$	T	F
0	d3	—	—	1	2
1	d3	—	aceptar	—	4
2	r2	d5	r2	—	—
3	r4	r4	r4	—	—
4	r1	d5	r1	—	—
5	r3	r3	r3	—	—

Pila	Entrada	Acción
\$0	a**aa\$	desplazar 3
\$03	**aa\$	reducir $F \rightarrow a$
\$02	**aa\$	desplazar 5
\$025	*aa\$	reducir $F \rightarrow F^*$
\$02	*aa\$	desplazar 5
\$025	aa\$	reducir $F \rightarrow F^*$
\$02	aa\$	reducir $T \rightarrow F$
\$01	aa\$	desplazar 3
\$013	a\$	reducir $F \rightarrow a$
\$014	a\$	reducir $T \rightarrow TF$
\$01	a\$	desplazar 3
\$013	\$	reducir $F \rightarrow a$
\$014	\$	reducir $T \rightarrow TF$
\$01	\$	aceptar