

Stmt \rightarrow Varid "=" Exp
 Exp \rightarrow Exp "+" Term
 Exp \rightarrow Term
 Term \rightarrow Term "*" Atom
 Term \rightarrow Atom
 Atom \rightarrow Int
 Atom \rightarrow Varid
 Varid = [a-z]*
 Int = [1-9][0-9]*

	Stack	Look Ahead	UnParsed	Action
0	empty	Varid	= x + y*5	Shift
1	Varid	=	x + y*5	Shift
5	Varid =	Varid	+ y*5	Shift
3	Varid = Varid	+	y*5	Reduce by Atom \leftarrow Varid
4	Varid = Atom	+	y*5	Reduce by Term \leftarrow Atom
5	Varid = Term	+	y*5	Reduce by Exp \leftarrow Term
6	Varid = Exp	+	y*5	Shift
7	Varid = Exp +	Varid	*5	Shift
8	Varid = Exp + Varid	*	5	Reduce by Atom \leftarrow Varid
9	Varid = Exp + Atom	*	5	Reduce by Term \leftarrow Atom
10	Varid = Exp + Term	*	5	Shift
11	Varid = Exp + Term *	Int	eof	Shift
15	Varid = Exp + Term *Int	eof		Reduce by Atom \leftarrow Int
13	Varid = Exp + Term * Atom	eof		Reduce by Term \leftarrow Term * Atom
14	Varid = Exp + Term	eof		Reduce by Exp \leftarrow Exp + Term
15	Varid = Exp	eof		Reduce by Stmt \leftarrow Varid = Exp
16	Stmt	eof		Done