**Regular Definitions**

|  |  |
| --- | --- |
| Delimiters | |
| lowercase | {a,b,c,d,e,f,g,h,I,j,k,l,m,n,o,p,q,r,s,t,u,v,w,x,y,z} |
| uppercase | {a,b,c,d,e,f,g,h,I,j,k,l,m,n,o,p,q,r,s,t,u,v,w,x,y,z} |
| nonzero | {1,2,3,4,5,6,7,8,9} |
| numbers | {0,nonzero} |
| mathop | {+,-,\*,/,%} |
| ascii | {any printable characters} |

|  |  |
| --- | --- |
| Reserved Words | |
| whitespace | {space, newline) |
| delim1 | {whitespace, semicolon} |
| delim2 | {whitespace, (} |
| delim3 | {delim2, !} |
| delim4 | {whitespace, colon} |
| boolean | {delim1, comma, )} |

|  |  |
| --- | --- |
| Reserved Symbols | |
| arithop | {delim2, lowercase, numbers} |
| delim5 | {arithop, “} |
| delim6 | {whitespace, numbers, lowercase} |
| incop | {delim6, comma, semicolon, (, )} |
| delim7 | {whitespace, lowercase, +, -} |
| delim8 | {semicolon, comma, whitespace, !, =, ), mathop, >, <} |
| delim9 | {boolean, !, =, mathop, >, <, lowercase, ]} |
| delim10 | {whitespace, /} |
| delim11 | {delim6, {, }, “} |
| delim12 | {delim1, comma, } } |
| delim13 | {delim5, {) |
| delim14 | {delim7, “ , numbers} |

|  |  |
| --- | --- |
| Identifiers | |
| delim\_id | {boolean, mathop, =, !, >, <, [, ], ,@,(,}} |

|  |  |
| --- | --- |
| Literals | |
| delim\_str | {boolean, =, !,}, : } |
| delim\_dec | { boolean, =, !, }, mathop, >, <} |
| delim\_num | {delim\_dec, ], :} |