Regular Definitions

*Delimeters*

|  |  |
| --- | --- |
| 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,period} |
| 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, period} |
| delim7 | {whitespace, lowercase, uppercase, +, -} |
| delim8 | {delim6, uppercase} |
| delim9 | {period, comma, whitespace, !, =} |
| delim10 | {delim9, uppercase, lowercase, ], mathop, >, <} |
| delim11 | {delim9, ), mathop, >, <} |
| delim12 | {arithop, ascii} |
| delim13 | {arithop, >} |

*Literals*

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

*Identifiers*

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