|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | main | ( | ) | { | } | + | - | \* | / | % | "= | E=epsilon | num | [num] | bool | float | int | void | id | ; | $ | program | comp-stmt | local-dec | vard-dec | type-spec | stmt-list | stmt | operand | var | operator |
| 0 | s2 |  |  | s3 |  | s15 | s16 | s17 | s18 | s19 |  | s5 | s13 |  | s9 | s10 | s7 | s8 |  |  |  | 1 |  | 4 |  | 6 | 11 |  |  | 12 |  |
| 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | acc |  |  |  |  |  |  |  |  |  |  |
| 2 |  | s20 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 3 |  |  |  |  |  |  |  |  |  |  |  | s22 |  |  |  |  |  |  |  |  |  |  |  | 21 |  |  |  |  |  |  |  |
| 4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | s9 | s10 | s7 | s8 |  |  |  |  |  |  | 23 | 6 |  |  |  |  |  |
| 5 |  |  |  |  |  |  |  |  |  |  |  | r5 |  |  |  |  |  |  | r5/r13 |  | r5/r13 |  |  |  |  |  |  |  |  |  |  |
| 6 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | s24 |  |  |  |  |  |  |  |  |  |  |  |  |
| 7 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | r8 |  | r8 |  |  |  |  |  |  |  |  |  |  |
| 8 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | r9 |  | r9 |  |  |  |  |  |  |  |  |  |  |
| 9 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | r10 |  | r10 |  |  |  |  |  |  |  |  |  |  |
| 10 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | r11 |  | r11 |  |  |  |  |  |  |  |  |  |  |
| 11 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | s14 |  |  |  |  |  |  |  |  | 25 |  | 26 |  |
| 12 |  |  |  |  |  | r17 | r17 | r17 | r17 | r17 | s27 |  |  |  |  |  |  |  |  | r17 | r17 |  |  |  |  |  |  |  |  |  |  |
| 13 |  |  |  |  |  | r16 | r16 | r16 | r16 | r16 |  |  |  |  |  |  |  |  |  | r16 | r16 |  |  |  |  |  |  |  |  |  |  |
| 14 |  |  |  |  |  | r18 | r18 | r18 | r18 | r18 | r18 |  |  | s28 |  |  |  |  |  | r18 | r18 |  |  |  |  |  |  |  |  |  |  |
| 15 |  |  |  |  |  |  |  |  |  |  |  |  | r20 |  |  |  |  |  | r20 |  | r20 |  |  |  |  |  |  |  |  |  |  |
| 16 |  |  |  |  |  |  |  |  |  |  |  |  | r21 |  |  |  |  |  | r21 |  | r21 |  |  |  |  |  |  |  |  |  |  |
| 17 |  |  |  |  |  |  |  |  |  |  |  |  | r22 |  |  |  |  |  | r22 |  | r22 |  |  |  |  |  |  |  |  |  |  |
| 18 |  |  |  |  |  |  |  |  |  |  |  |  | r23 |  |  |  |  |  | r23 |  | r23 |  |  |  |  |  |  |  |  |  |  |
| 19 |  |  |  |  |  |  |  |  |  |  |  |  | r24 |  |  |  |  |  | r24 |  | r24 |  |  |  |  |  |  |  |  |  |  |
| 20 |  |  | s29 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 21 |  |  |  |  |  |  |  |  |  |  |  | s31 |  |  | s7 | s10 | s7 | s8 |  |  |  |  |  |  | 23 | 6 | 30 |  |  |  |  |
| 22 |  |  |  |  |  |  |  |  |  |  |  | r5 |  |  |  |  |  |  | r5 |  | r5 |  |  |  |  |  |  |  |  |  |  |
| 23 |  |  |  |  |  |  |  |  |  |  |  | r4 |  |  |  |  |  |  | r4 |  | r4 |  |  |  |  |  |  |  |  |  |  |
| 24 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | s34 |  |  |  |  | s32 |  |  |  |  |  |  |  |  |  |  |  |
| 25 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | r12 |  | r12 |  |  |  |  |  |  |  |  |  |  |
| 26 |  |  |  |  |  |  |  |  |  |  | s27 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 27 |  |  |  |  |  |  |  |  |  |  |  |  | s13 |  |  |  |  |  | s14 |  |  |  |  |  |  |  |  |  | 35 | 26 |  |
| 28 |  |  |  |  |  | r19 | r19 | r19 | r19 | r19 | r19 |  |  |  |  |  |  |  |  | r19 | r19 |  |  |  |  |  |  |  |  |  |  |
| 29 |  |  |  | s3 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | s37 |  |  |  |  |  |  |  |  |
| 30 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | s14 |  | r3 |  |  |  |  |  |  | 38 |  | 26 |  |
| 31 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | r13 |  | r13 |  |  |  |  |  |  |  |  |  |  |
| 32 |  |  |  |  |  |  |  |  |  |  |  | r6 |  |  |  |  |  |  | r6 |  | r6 |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 34 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | s39 |  |  |  |  |  |  |  |  |  |  |  |
| 35 |  |  |  |  |  | s15 | s16 | s17 | s18 | s19 |  |  |  |  |  |  |  |  |  | s42 |  |  |  |  |  |  |  |  |  |  | 40 |
| 36 |  |  |  |  |  | r17 | r17 | r17 | r17 | r17 |  |  |  |  |  |  |  |  |  | r17 | r17 |  |  |  |  |  |  |  |  |  |  |
| 37 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | r2 |  |  |  |  |  |  |  |  |  |  |
| 38 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | r12 |  | r12 |  |  |  |  |  |  |  |  |  |  |
| 39 |  |  |  |  |  |  |  |  |  |  |  | r7 |  |  |  |  |  |  | r7 |  | r7 |  |  |  |  |  |  |  |  |  |  |
| 40 |  |  |  |  |  |  |  |  |  |  |  |  | s13 |  |  |  |  |  | s14 |  |  |  |  |  |  |  |  |  | 41 | 36 |  |
| 41 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | r14 |  | r14 |  |  |  |  |  |  |  |  |  |  |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| local-dec | vard-dec | type-spec | stmt-list | stmt | operand | var | operator |
| 4 |  | 6 | 11 |  |  | 12 |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| 21 |  |  |  |  |  |  |  |
|  | 23 | 6 |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  | 25 |  | 26 |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  | 23 | 6 | 30 |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  | 35 | 26 |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  | 38 |  | 26 |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  | 40 |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  | 41 | 36 |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |