

| 1  | Token      | Lexeme   |
|----|------------|----------|
| 2  |            |          |
| 3  | separator  | \$\$     |
| 4  | keyword    | function |
| 5  | identifier | Hello    |
| 6  | separator  | [        |
| 7  | identifier | me       |
| 8  | separator  | :        |
| 9  | keyword    | real     |
| 10 | separator  | ,        |
| 11 | identifier | alice    |
| 12 | separator  | :        |
| 13 | keyword    | integer  |
| 14 | separator  | ,        |
| 15 | identifier | bob      |
| 16 | separator  | :        |
| 17 | keyword    | boolean  |
| 18 | separator  | ]        |
| 19 | keyword    | boolean  |
| 20 | identifier | modest   |
| 21 | separator  | ;        |
| 22 | keyword    | boolean  |
| 23 | identifier | mouse    |
| 24 | separator  | ;        |
| 25 | keyword    | real     |
| 26 | identifier | pink     |
| 27 | separator  | ;        |
| 28 | keyword    | integer  |
| 29 | identifier | floyd    |
| 30 | separator  | ;        |
| 31 | separator  | {        |
| 32 | identifier | alice    |
| 33 | operator   | :=       |
| 34 | identifier | me       |
| 35 | separator  | ;        |
| 36 | keyword    | if       |
| 37 | separator  | (        |
| 38 | identifier | pink     |
| 39 | operator   | +        |
| 40 | identifier | floyd    |
| 41 | operator   | >        |
| 42 | identifier | modest   |
| 43 | operator   | /        |
| 44 | identifier | mouse    |
| 45 | separator  | )        |
| 46 | identifier | me       |
| 47 | operator   | :=       |
| 48 | identifier | alice    |
| 49 | separator  | ;        |
| 50 | keyword    | else     |
| 51 | identifier | me       |
| 52 | operator   | :=       |
| 53 | identifier | modest   |
| 54 | operator   | +        |
| 55 | identifier | mouse    |
| 56 | separator  | ;        |
| 57 | keyword    | endif    |
| 58 | keyword    | return   |
| 59 | identifier | me       |
| 60 | separator  | [        |
| 61 | identifier | modest   |
| 62 | separator  | ,        |
| 63 | identifier | alice    |
| 64 | separator  | ]        |
| 65 | separator  | ;        |
| 66 | separator  | }        |
| 67 | separator  | \$\$     |

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```
68 keyword      while
69 separator    (
70 integer      1
71 operator      >
72 integer      0
73 separator    )
74 separator    {
75 keyword      read
76 separator    (
77 identifier    Hello
78 separator    )
79 separator    ;
80 separator    }
81 separator    $$
```