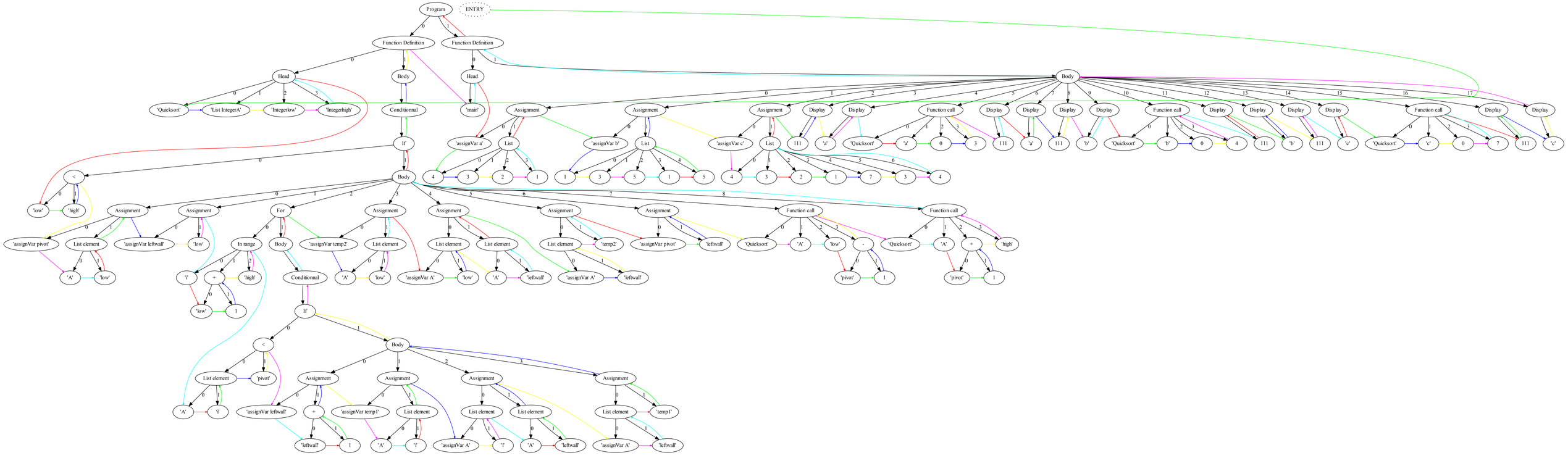
Program
ENTRY
Function Definition
Function Definition
Head
Body
Head
'Quicksort'
'List IntegerA'
'Integerlow'
'Integerhigh'
Conditionnal
'main'
If
Body
Assignment
Assignment
Assignment
Display
Display
Function call
Display
Display
Display
Display
Function call
Display
Display
Display
Display
Function call
Display
Display
'assignVar a'
List
'assignVar b'
List
'assignVar c'
List
111
'a'
'Quicksort'
'a'
0
3
111
'a'
111
'b'
'Quicksort'
'b'
0
4
111
'b'
111
'c'
'Quicksort'
'c'
0
7
111
'c'
4
3
2
1
1
3
5
1
5
4
3
2
1
7
3
4
<
'low'
'high'
Assignment
Assignment
For
Assignment
Assignment
Assignment
Assignment
Function call
Function call
'assignVar pivot'
List element
'assignVar leftwall'
'low'
In range
Body
'assignVar temp2'
List element
List element
List element
List element
'temp2'
'assignVar pivot'
'leftwall'
'Quicksort'
'A'
'low'
-
'Quicksort'
'A'
+
'high'
'A'
'low'
'i'
+
'high'
Conditionnal
'A'
'low'
'assignVar A'
'low'
'A'
'leftwall'
'assignVar A'
'leftwall'
'pivot'
1
'pivot'
1
'low'
1
If'
<
Body
List element
'pivot'
Assignment
Assignment
Assignment
Assignment
'A'
'i'
'assignVar leftwall'
+
'assignVar temp1'
List element
List element
List element
List element
'temp1'
'leftwall'
1
'A'
'i'
'assignVar A'
'i'
'A'
'leftwall'
'assignVar A'
'leftwall'