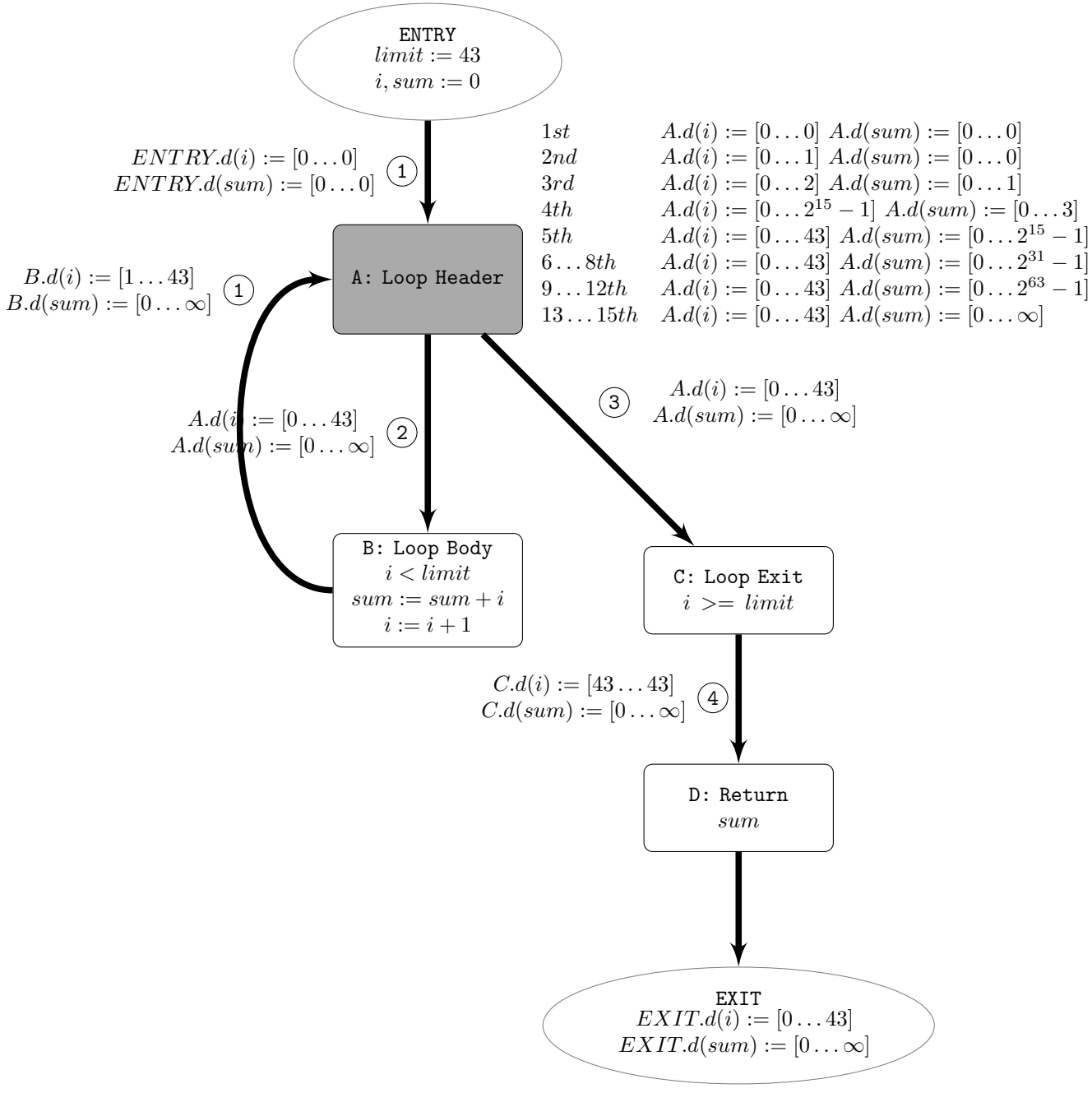
ENTRY
limit := 43
i, sum := 0
ENTRY.d(i) := [0 . . . 0]
ENTRY.d(sum) := [0 . . . 0]
1
1st A.d(i) := [0 . . . 0] A.d(sum) := [0 . . . 0]
2nd A.d(i) := [0 . . . 1] A.d(sum) := [0 . . . 0]
3rd A.d(i) := [0 . . . 2] A.d(sum) := [0 . . . 1]
4th A.d(i) := [0 . . . 2^15 − 1] A.d(sum) := [0 . . . 3]
5th A.d(i) := [0 . . . 43] A.d(sum) := [0 . . . 2^15 − 1]
6 . . . 8th A.d(i) := [0 . . . 43] A.d(sum) := [0 . . . 2^31 − 1]
9 . . . 12th A.d(i) := [0 . . . 43] A.d(sum) := [0 . . . 2^63 − 1]
13 . . . 15th A.d(i) := [0 . . . 43] A.d(sum) := [0 . . . ∞]
A: Loop Header
B.d(i) := [1 . . . 43]
B.d(sum) := [0 . . . ∞]
1
A.d(i) := [0 . . . 43]
A.d(sum) := [0 . . . ∞]
2
3
A.d(i) := [0 . . . 43]
A.d(sum) := [0 . . . ∞]
B: Loop Body
i < limit
sum := sum + i
i := i + 1
C: Loop Exit
i >= limit
C.d(i) := [43 . . . 43]
C.d(sum) := [0 . . . ∞]
4
D: Return
sum
EXIT
EXIT.d(i) := [0 . . . 43]
EXIT.d(sum) := [0 . . . ∞]