

line number

1

step number

1

total steps

22

globals

stack

heap

line number 2

step number 2

total steps 22

globals

table

=

id1



stack

heap

id1

list



0

=

id2



1

=

id3



id2

list



0

=

2



1

=

3



id3

list



0

=

1



1

=

1



line number 3

step number 3

total steps 22

globals

table = id1

row = id2

stack

heap

id1 list

0 = id2

1 = id3

id2 list

0 = 2

1 = 3

id3 list

0 = 1

1 = 1

line number

4

step number

4

total steps

22

globals

table

=

id1



row

=

id2



num

=

2



stack

heap

id1

list



0

=

id2



1

=

id3



id2

list



0

=

2



1

=

3



id3

list



0

=

1



1

=

1



line number 3

step number 5

total steps 22

globals

table = id1

row = id2

num = 2

stack

heap

id1 list

0 = id2

1 = id3

id2 list

0 = 4

1 = 3

id3 list

0 = 1

1 = 1

line number

4

step number

6

total steps

22

globals

table

=

id1



row

=

id2



num

=

3



stack

heap

id1

list



0

=

id2



1

=

id3



id2

list



0

=

4



1

=

3



id3

list



0

=

1



1

=

1



line number 3

step number 7

total steps 22

globals

table = id1

row = id2

num = 3

stack

heap

id1 list

0 = id2

1 = id3

id2 list

0 = 7

1 = 3

id3 list

0 = 1

1 = 1

line number 5

step number 8

total steps 22

globals

table = id1

row = id2

num = 3

stack

heap

id1 list

0 = id2

1 = id3

id2 list

0 = 7

1 = 3

id3 list

0 = 1

1 = 1

line number 2

step number 9

total steps 22

globals

table = id1

row = id2

num = 3

stack

heap

id1 list

0 = id2

1 = id3

id2 list

0 = 7

1 = 3

id3 list

0 = 1

1 = 2

line number 3

step number 10

total steps 22

globals

table = id1

row = id3

num = 3

stack

heap

id1 list

0 = id2

1 = id3

id2 list

0 = 7

1 = 3

id3 list

0 = 1

1 = 2

line number 4

step number 11

total steps 22

globals

table = id1

row = id3

num = 1

stack

heap

id1 list

0 = id2

1 = id3

id2 list

0 = 7

1 = 3

id3 list

0 = 1

1 = 2

line number 3

step number 12

total steps 22

globals

table = id1

row = id3

num = 1

stack

heap

id1 list

0 = id2

1 = id3

id2 list

0 = 8

1 = 3

id3 list

0 = 1

1 = 2

line number 4

step number 13

total steps 22

globals

table = id1

row = id3

num = 2

stack

heap

id1 list

0 = id2

1 = id3

id2 list

0 = 8

1 = 3

id3 list

0 = 1

1 = 2

line number 3

step number 14

total steps 22

globals

table = id1

row = id3

num = 2

stack

heap

id1 list

0 = id2

1 = id3

id2 list

0 = 10

1 = 3

id3 list

0 = 1

1 = 2

line number 5

step number 15

total steps 22

globals

table = id1

row = id3

num = 2

stack

heap

id1 list

0 = id2

1 = id3

id2 list

0 = 10

1 = 3

id3 list

0 = 1

1 = 2

line number 2

step number 16

total steps 22

globals

table = id1

row = id3

num = 2

stack

heap

id1 list

0 = id2

1 = id3

id2 list

0 = 10

1 = 3

id3 list

0 = 1

1 = 3

line number 6

step number 17

total steps 22

globals

table = id1

row = id3

num = 2

stack

heap

id1 list

0 = id2

1 = id3

id2 list

0 = 10

1 = 3

id3 list

0 = 1

1 = 3

line number 7

step number 18

total steps 22

globals

table = id1

row = id3

num = 2

new_row = id4

stack

heap

id1 list

0 = id2

1 = id3

id2 list

0 = 10

1 = 3

id3 list

0 = 1

1 = 3

id4 list

line number 8

step number 19

total steps 22

globals

table = id1

row = id3

num = 2

new_row = id4

stack

heap

id1 list

0 = id2

1 = id3

2 = id4

id2 list

0 = 10

1 = 3

id3 list

0 = 1

1 = 3

line number 9

step number 20

total steps 22

globals

table = id1

row = id3

num = 2

new_row = id4

first = 20

stack

heap

id1 list

0 = id2

1 = id3

2 = id4

id2 list

0 = 10

1 = 3

id3 list

0 = 1

1 = 3

line number **DON**

step number **21**

total steps **22**

globals

table = id1

row = id3

num = 2

new_row = id4

first = 20

second = 1

stack

heap

id1 list

0 = id2

1 = id3

2 = id4

id2 list

0 = 10

1 = 3

id3 list

0 = 1

1 = 3