

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	
id2	list		
	0	= 10	
	1	= 3	
id3	list		
	0	= 1	
	1	= 3	