

Stack

Heap

main

a-list

b-list

i = 0, 1, 2, 3

[~~7~~, ~~4~~, ~~1~~, ~~2~~]
12 1 6 2

f1 y = 7

→ 12

f1 y = 2

→ 1

f1 y = 1

→ 6

f1 y = 4

→ 2

Output

[12, 1, 6, 2]

[12, 1, 6, 2]

Stack

Heap

main 21

a-dict

b-dict

key = 1 2 3 4 5

{1: 'hi', 2: 'there' ...;
6: 'Fine!'}

{1: 2, 2: 5,

3: 3, 4: 3,

5: 4
}

Output

{1: 'hi', 2: 'there', ... etc.

{1: 2, 2: 5, 3: 3, ...

Stack

Heap

mem3 |

x-list

y-list

a-dict

b-dict

key = 'see'
 'you'

g1 |

1st □

S = 'see'

n = 2 [→ 2]

g1 |

1st □

S = 'you'

n = 5 [→ 3]

g1 | 1st □

S = 'later'

n = 1 [→ 1]

[5, 2, 9]

'see': 2, 'you': 3,
'later': 1