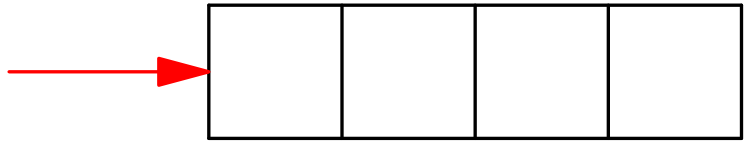
$\text{size}() = 0$

$\text{capacity} = 4$

list.push_back(52)

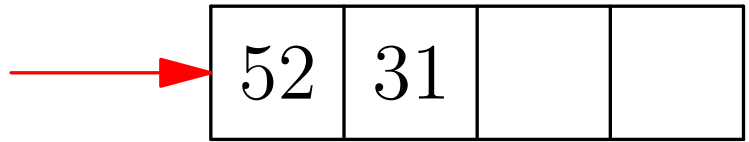


size() = 0

capacity = 4

list.push_back(31)
52
size() = 1
capacity = 4

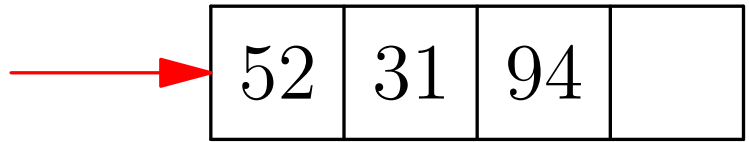
list.push_back(94)



size() = 2

capacity = 4

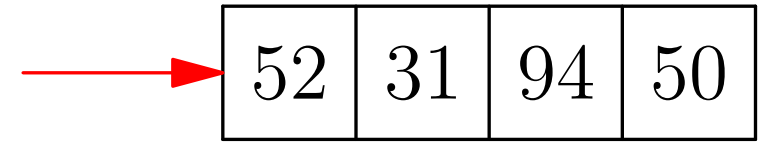
list.push_back(50)



size() = 3

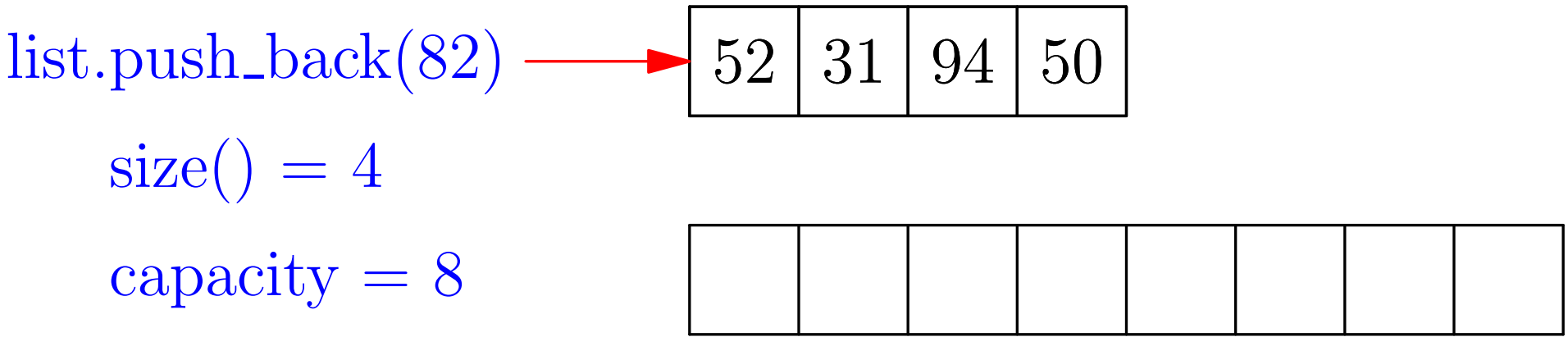
capacity = 4

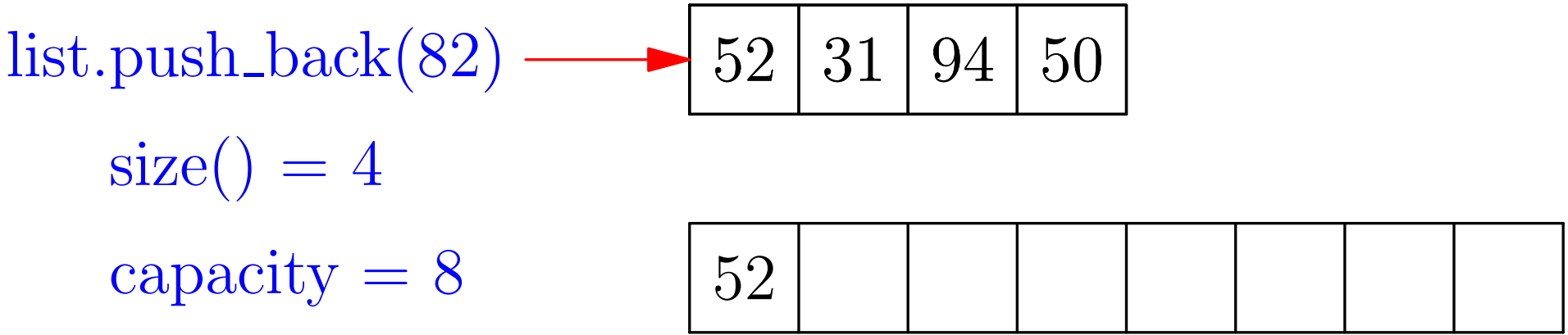
list.push_back(82)

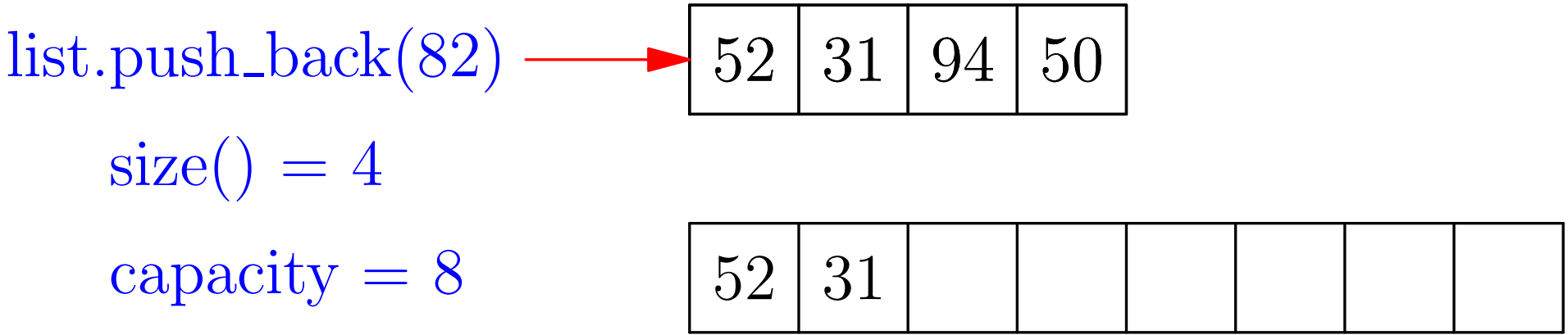


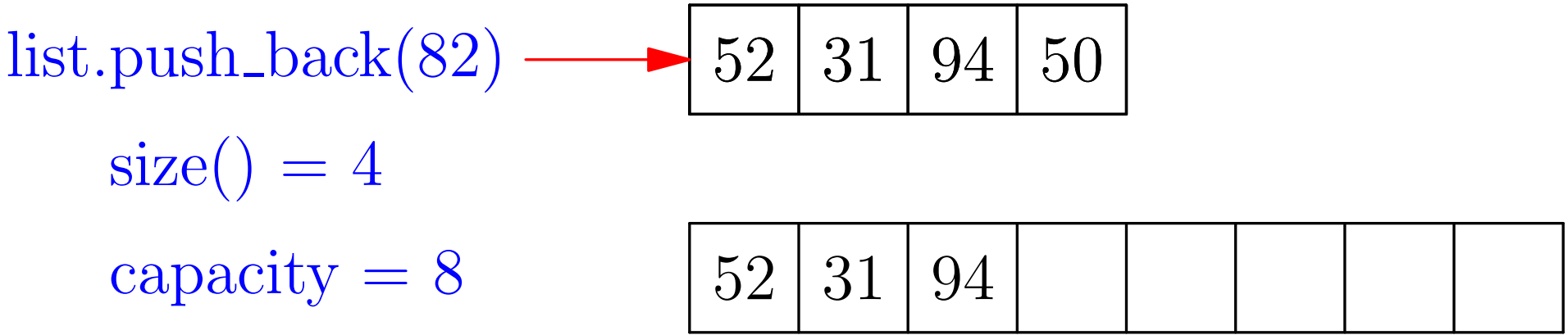
size() = 4

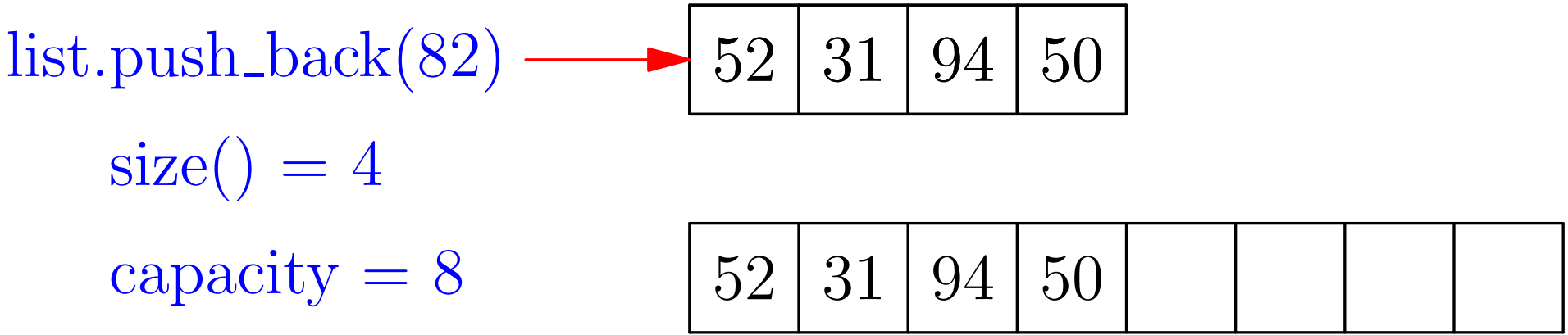
capacity = 4


list.push_back(82)
52
31
94
50
size() = 4
capacity = 8


list.push_back(82)
52
31
94
50
size() = 4
capacity = 8
52


list.push_back(82)
size() = 4
capacity = 8
52
31
94
50
52
31

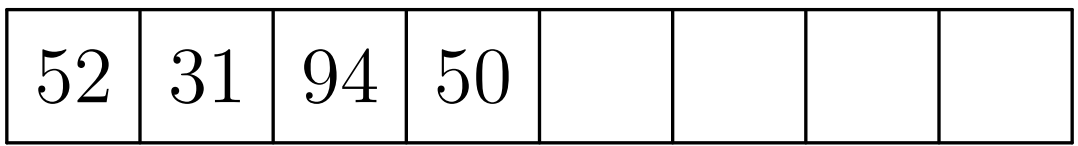

list.push_back(82)
52
31
94
50
size() = 4
capacity = 8
52
31
94

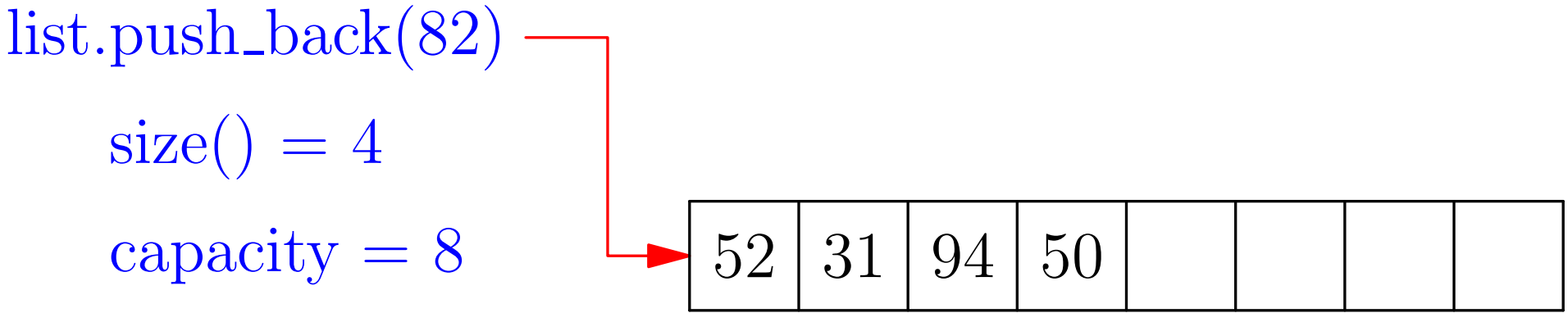

list.push_back(82)
size() = 4
capacity = 8
52
31
94
50
52
31
94
50

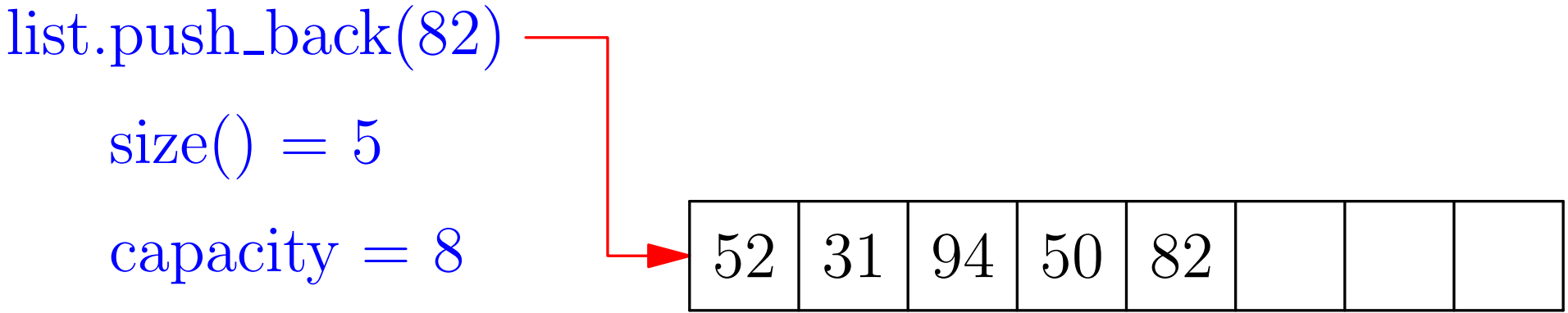
list.push_back(82) →

size() = 4

capacity = 8




list.push_back(82)
size() = 4
capacity = 8
52
31
94
50


list.push_back(82)
size() = 5
capacity = 8
52
31
94
50
82