

P05 Circular Buffer Example

capacity 4

size	0
head	0
tail	0
current	0

0	1	2	3
?	?	?	?

head
tail
current

push_back(6)

size	1
head	0
tail	0
current	1

0	1	2	3
6	?	?	?

head
tail
current

push_back(14)

size	2
head	0
tail	1
current	2

0	1	2	3
6	14	?	?

head
tail
current

push_back(20)

size	3
head	0
tail	2
current	3

0	1	2	3
6	14	20	?

head
tail
current

push_back(7)

size	4
head	1
tail	3
current	0

0	1	2	3
6	14	20	7

current
head
tail

push_back(5)

size	4
head	2
tail	0
current	1

0	1	2	3
5	14	20	7

tail
current
head

pop()

size	3
head	3
tail	0
current	1

0	1	2	3
5	14	20	7

tail
current
head

push(8)

size	4
head	3
tail	1
current	2

0	1	2	3
5	8	?	7

tail
current
head

pop()

size	3
head	3
tail	1
current	2

0	1	2	3
5	8	?	7

head
tail
current