[2019.4.15, Sat]

@ Perfect Forwarding in C++.

l-value
r-value
reference.
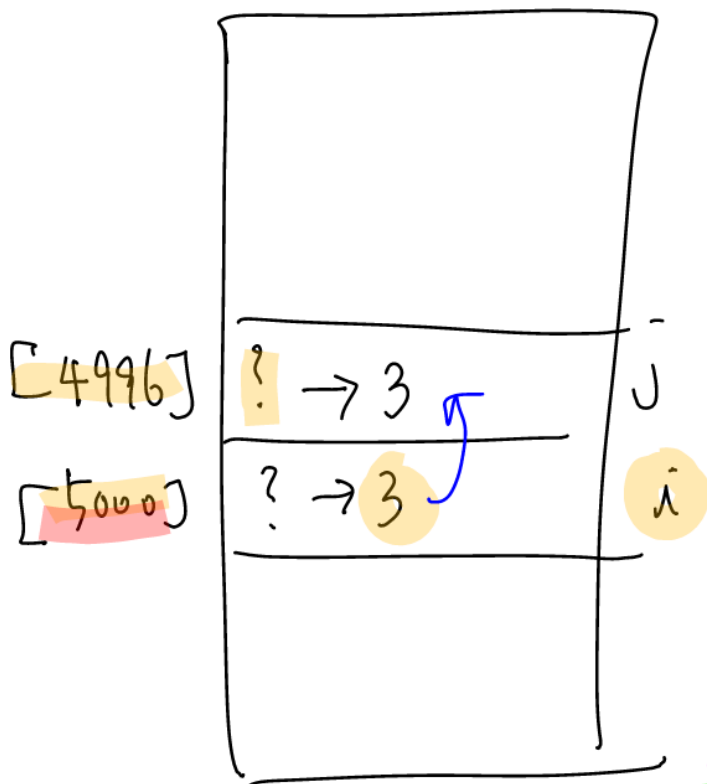copy constructor
move constructor
template specialization
std::move
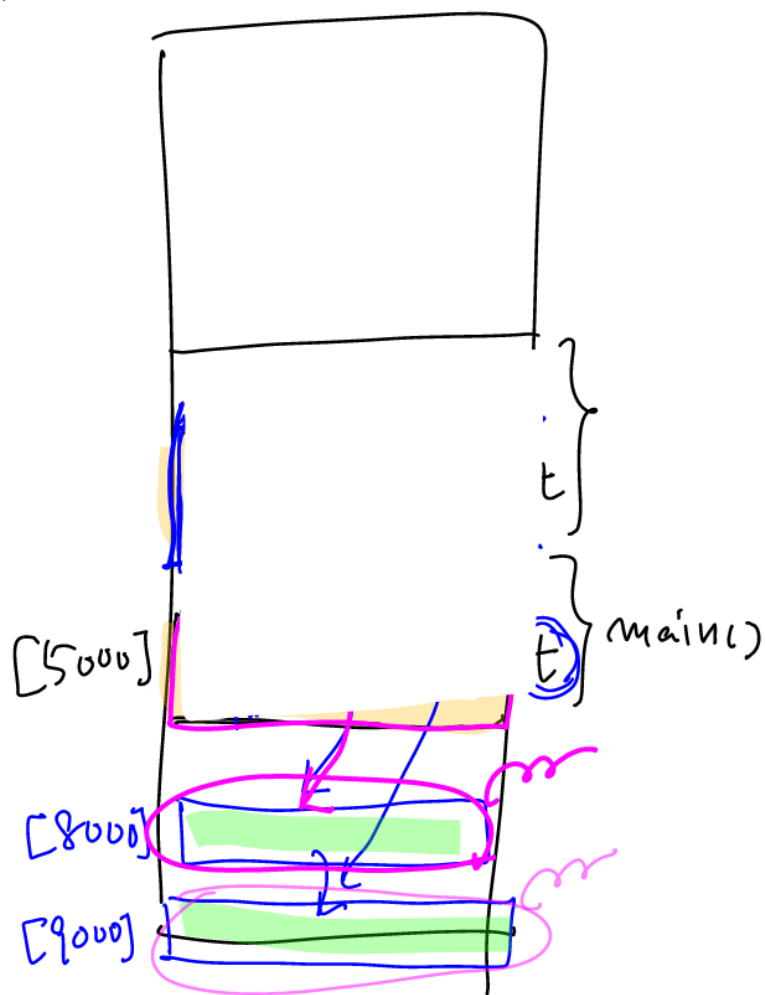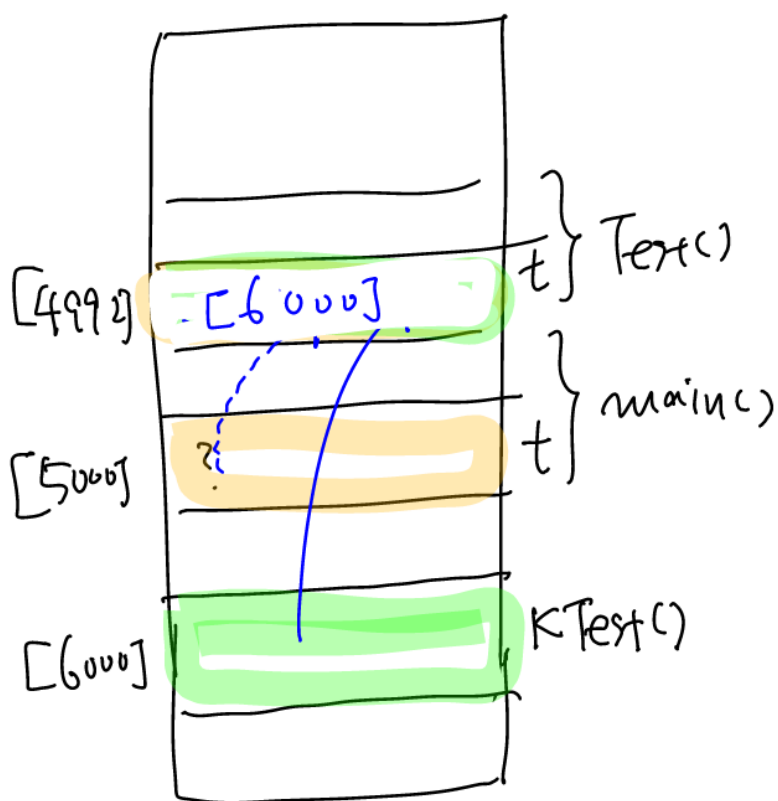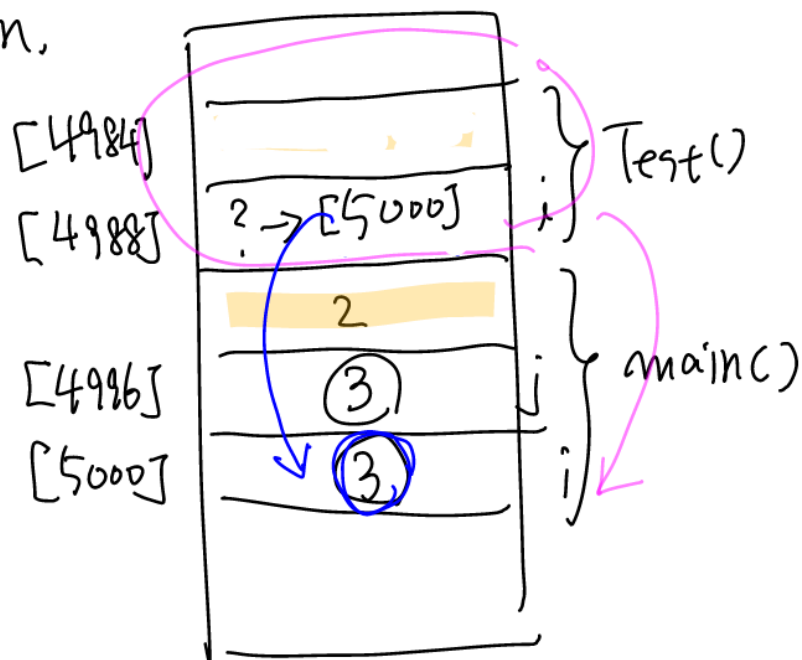perfect forwarding

$i = 3; // [5000] \leftarrow 3$

machine code

$j = i; // [4996] \leftarrow *[5000]$

[5000] $\leftarrow$ 3

[4996] $\leftarrow$ *[5000]

l-value i r-value.

left   right

[4996] $? \rightarrow 3$ j

[5000] $? \rightarrow 3$ i

$i = 3;$

$i + 1;$ expression.

l-value(X)

r-value.

[4984]

[4988] $? \rightarrow [5000]$ i } Test()

2

[4996] ③ i } main()

[5000] ③ i

[4992] $= [6000]$ t } Test()

} main()

[5000] ? t

[6000] K Test()

t }

[5000] t } main()

[8000]

[9000]

Test()

t

u

pData = [9000]
dataSize = 3

[4996]

pData = [8000]
dataSize = 3

[5000]

t } main()

pData = [9000]
dataSize = 3

[8000]

x

[9000]

[5000]

t } main()

[8000]

std::move() will be explained later ^^;

(2017.4.15)