[2011.4.15, Sat] C++ OCW J @ Perfect Forwarding in C++.

rvalue
reference.

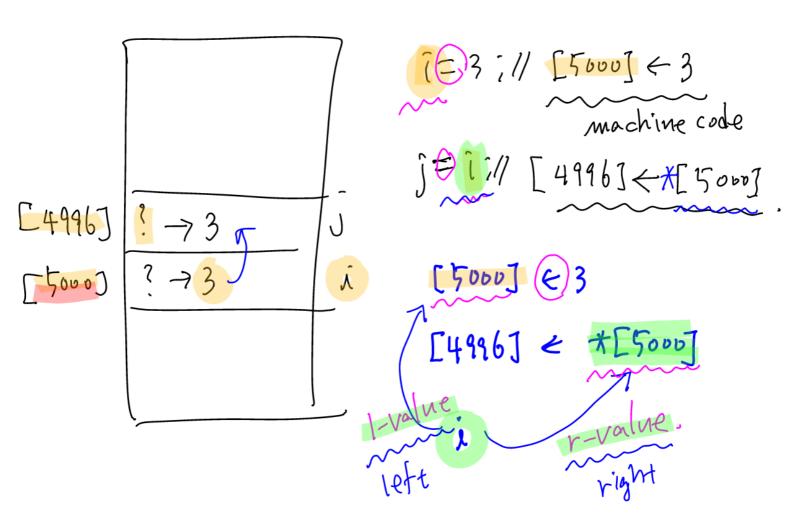
copy constructor

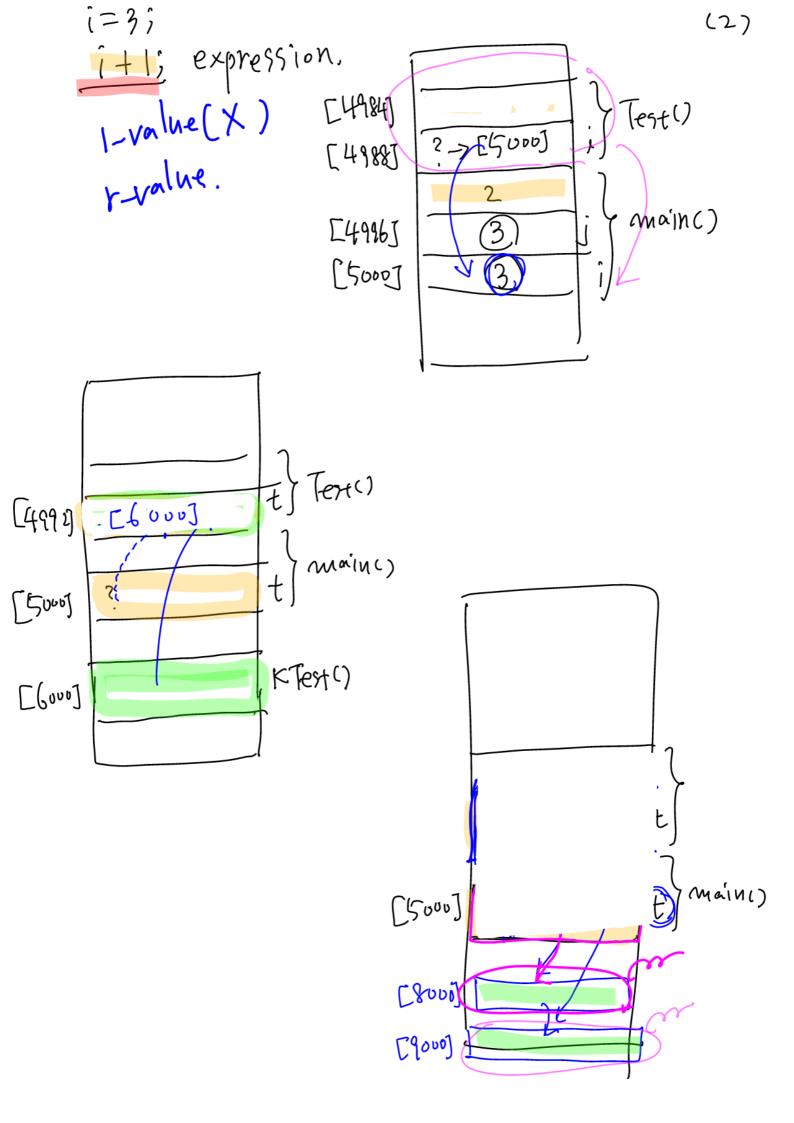
move constructor

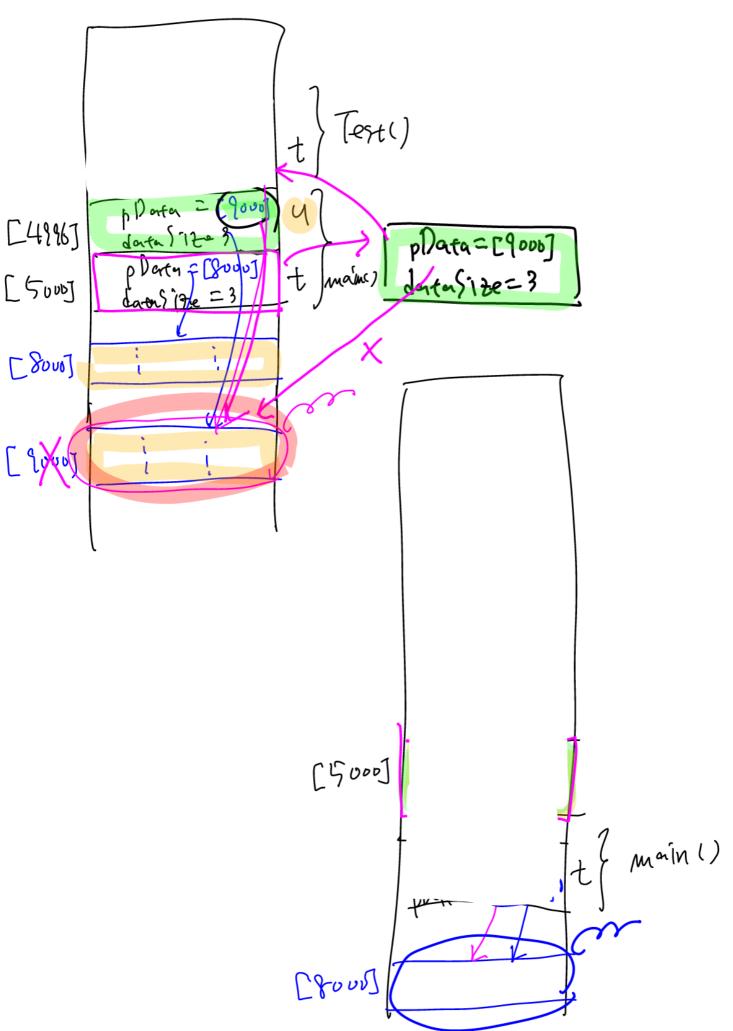
template specialitation

std:: move

perfect forwarding







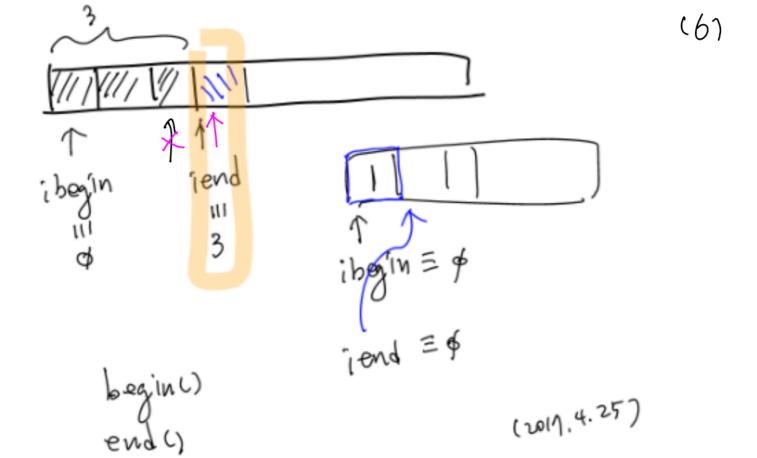
47 (2017.4.15)

[2017. 4-20, Thu] 4d::foxward <>();

(2017.4.20)

tree

Standard template library. (5)



2 Mart pointor. [2011.4.26]

2 Mared - ptr example.

pre-regulative

simple implementation of shared-ptr

weak-per

shared-from this

a shared-from this

a shared-ptr-traits

a shared-ptr-traits

a shared-ptr-traits

a shared-ptr-traits

a shared-ptr-traits

(7)delete spei (2-17.4.26) 5p1=01

[2017.5.1, Mon]

Mon throwing swap idiom.

class shared ptr {
 public;
 this_type;
 value_type;
 pointer;
 reference;

Constructor (Txp=\phi)

Copy constructor

Vestructor

Parent

Child

Parent $1 \rightarrow 2 \rightarrow 1$ arent

SpChild

@ enable_shared_from this

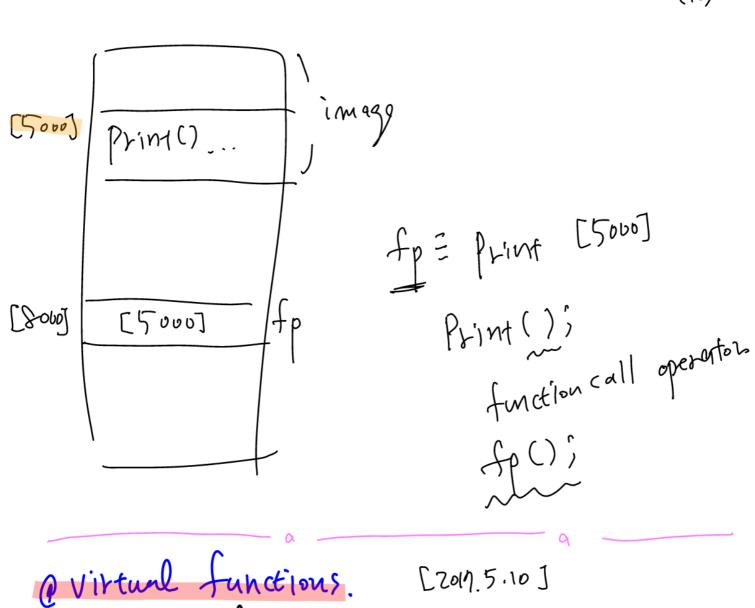
unique-ptr2> vill not be explained.
(2017.5.1)

@Lambda [2017.5.3]

function pointer
function object
bind 2nd, bind1st
std::bind
lambde
[std::bind internal]

@ std::bind [2017.5.4]

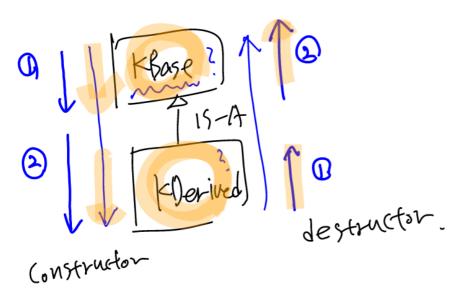
member function pointer binder placholders

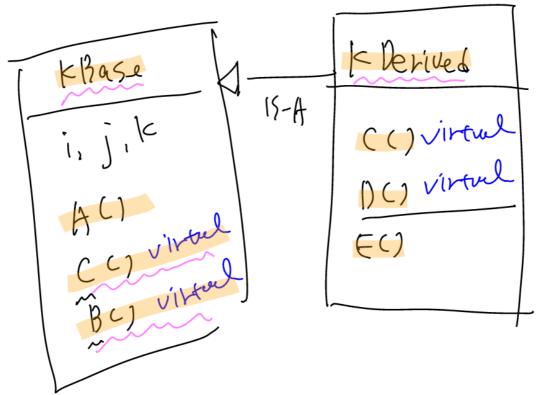


virguel function virtuel destructor, pure virtuel function. internel operation (vtable)

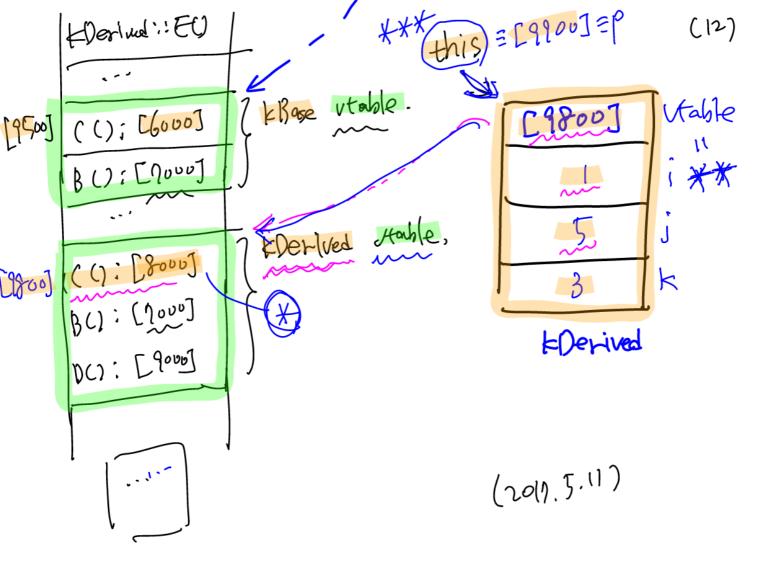
Test2C) X prived your casting.

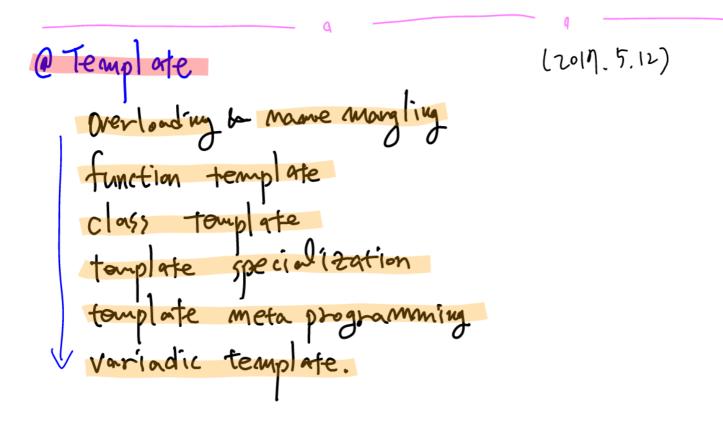
Elenived Derived Base Test 3()





memory. [5000] KBase::A() 7 vtable 79500] [6000] Eligse::(C) member [2000] Khase:: BC) K=3 8000 (A)erived::(() KBase [govo] Elerived: 100) [9(00]





* KStack class

(137 Mf Stack, 6 push sempty < 5P *Zdimensional 51, KStack ('IN1) KSynde < KTesy) 53¹ KHack (chart) a template specialization (2017.5.16) full template specialitation
partial template specialitation a template meta programming. Compile time class generation static polymon phism.

(14) * recursion n! = n* n-1 * ... * | = Fact(n) Facton) = $\begin{cases} 1 & (n = \emptyset) \\ n*factor(n = 1) \end{cases}$ 0 = 1 4! = 4x3x2x1 = 24 + tauplate method partern Base Intenface () Derived mystementation() (2011.5.17) @ Variadic Templates template parameter pack typename. These function parameter pack Args args 13005T_PP va list variable argument Func (int, const chart floor)

(15) Algl X Args X ... Arosthan & War, slower who is constable in the constable in the constable of the constable (int) (chark) float)
(int) (chark)
(int) (ch