

Daiwa Capital Markets

2021 Jun 17

Finance

What is OIS swap?

What is FX forward?

What is cross currency swap?

What is mark to market cross currency swap?

C++

What is SFINAE / enable_if (concept based overload)?

What is concept?

What is coroutine?

What is std::variant?

What is std::optional?

What is template partial specialization?

Is there partial specialization for function? NO...

Which one is safer, reference or weak pointer?

```
// method 1
int* p = new int(123);
int& r = *p;
delete p;
r = 321; // crash ...

// method 2
std::shared_ptr<int> sp(new int (123));
std::weak_ptr<int> wp(sp);
if (!wp.expired())
{
    auto sp2 = wp.lock();
    *sp2 = 321;
}
```

Answer : weak pointer