01/12/16 02:55:35 ./Payoff.cpp

```
1: #include <algorithm>
2: #include "Payoff.h"
3:
4: namespace mctr {
5:
       Payoff::Payoff(const double strike, Payoff::OptionType type)
6:
       : _strike(strike), _type(type)
7:
8:
9:
10:
11:
       double Payoff::operator()(const double spot) const
12:
13:
           if (_type == Payoff::call) {
14:
               return std::max(_strike - spot, 0.0);
15:
16:
17:
           return std::max(spot - _strike, 0.0);
18:
19:
20:
21:
22: } // namespace mctr
```