```
1: #ifndef ICONTRACT_H_INCLUDED
2: #define ICONTRACT_H_INCLUDED
3:
4: #include <boost/shared_ptr.hpp>
5: #include "Path.h"
6:
7:
8: namespace mctr {
9:
10:     class IContract {
11:     public:
12:         IContract();
13:         virtual ~IContract();
14:         double calculatePayoff(boost::shared_ptr<Path> path);
15:     };
16:
17: } // namespace mctr
18:
19: #endif // ICONTRACT_H_INCLUDED
```