Logitech

HW 10

1. Chain of Responsibility  
  
Reuse the code we wrote for the Composite, and now let Manager and Director response the requests from clients only half of the time, and pass the request down to other employees they managed.  
  
2. Template method   
  
Decompose the following two algorithms and make them Template methods:  
  
Morris-Pratt algorithm: <http://www-igm.univ-mlv.fr/~lecroq/string/node7.html>  
and  
Knuth-Morris-Pratt algorithm: <http://www-igm.univ-mlv.fr/~lecroq/string/node8.html#SECTION0080>   
  
3. Interpreter. Try to write a calculator using Interpreter pattern, the input is like: (10+29)\*4…

Note: remember, you should always start from defining the interface and writing the test case before implementing the details.