```
LFSR.hpp
         Sun Sep 25 19:02:54 2016
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    1:
    2:
    3: #include <iostream>
    4: #include <string>
    5: #include <cmath>
    6:
    7:
   8: class LFSR {
   9:
   10: public:
       LFSR(std::string seed_, int tap_);
   11:
   12:
        ~LFSR();
   13: int step();
  14: int generate(int k);
  15:
```

16: friend std::ostream& operator<< (std::ostream &out, LFSR &lfsr);

17:

21: }; 22:

18: private:

19: std::string seed;
20: int tap;