Because the class FibonacciProgression does not provide public access to the firstValue() and nextValue() member functions, we design a new class, FibonacciPlus, which extends the Fibonacci progression class by providing a public member function that returns the kth element of the sequence. It is assumed that $k \geq 1$.

```
class FibonacciPlus : public FibonacciProgression {
                                       // constructor
  FibonacciPlus(long f = 0, long s = 1)
 : FibonacciProgression(f, s) { }
 long getKthValue(int k) {
                                      // get the kth value (assumed k >= 1)
                                       // get the first value
    long f = firstValue();
                              // return first if k == 1
-) // get values 2 through (k-1)st values
   if (k == 1) return f;
   for (int i = 2; i < k; i++)
     nextValue();
                                      // return kth value
    return nextValue();
};
// ...
                                      // Fibonacci sequence from 3, 4
FibonacciPlus F(3, 4);
cout << F.getKthValue(7) << endl; // output 7th element
```