

Exercise 5 (Übung 5)

We want to display a table on the Web for the first 20 Fibonacci numbers

Wir wollen eine Tabelle mit den ersten 20 Fibonacci Zahlen auf einer Webseite darstellen

n	f(n)
0	0
1	1
2	1
3	2
4	3
5	5
6	8
7	13
8	21
...	...
20	6765

The Fibonacci numbers are given by the recurrence relation

$$f(n + 2) = f(n + 1) + f(n)$$

where $n = 0, 1, 2, \dots$ and $f(0) = 0$ and $f(1) = 1$. The numbers for the table should be calculated using this algorithm. Embedd your scripting language (for example JavaScript) into HTML. The button in the

```
<FORM>  
...  
</FORM>
```

should have the name:

```
display Fibonacci table
```

Could you also use an Applet?

Voluntary. Add an extra column to the table which provides the information whether $f(n)$ is a prime number or not.