

Recall the Fibonacci numbers

Definition of function $f : \mathbb{Z}^+ \rightarrow \mathbb{Z}$:

- ▶ $f(1) = f(2) = 1$ and
- ▶ $f(n) = f(n-1) + f(n-2)$ for $n \geq 3$

How quickly does $f(n)$ grow?