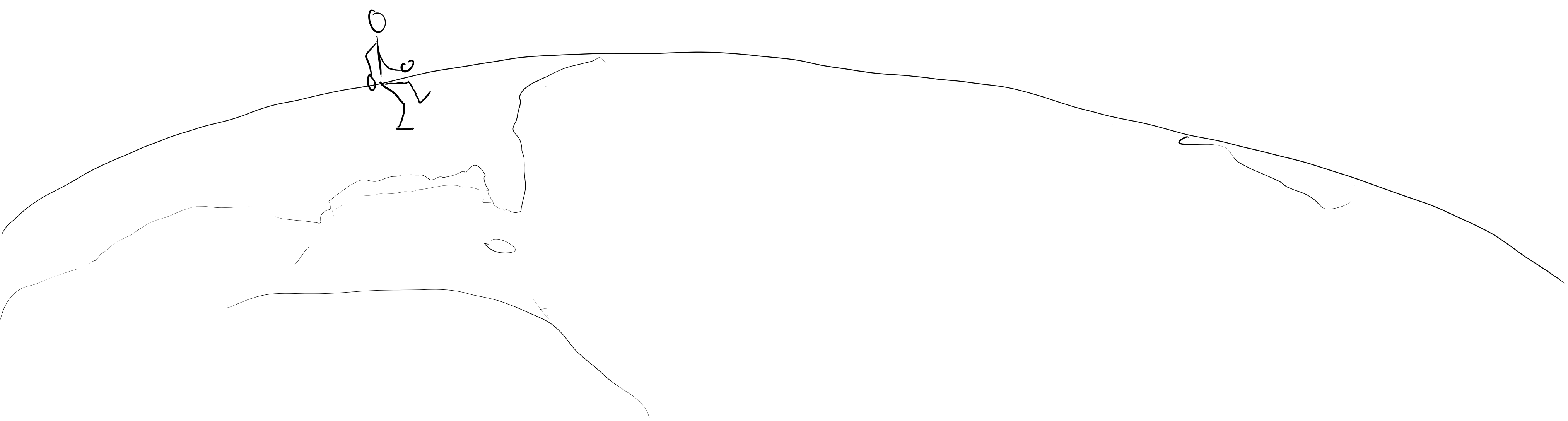
How to walk to the Moon:

```
While |self - moon| > 0:
    face moon
    step feward
```



induction

base — Step 1 ends on Earth

loop invariant

inductive step — if step n ends on Earth,
then step n+1 ends on Earth

$\therefore$ $\forall$ steps . step ends on Earth

I love the view from the foothills
You mean the Piedmont.

$$\mathbb{N} \subseteq \mathbb{R} \rightarrow |\mathbb{N}| \leq |\mathbb{R}|$$

$$f(\overset{4}{n}) = 3.141\boxed{5}926535\ldots$$

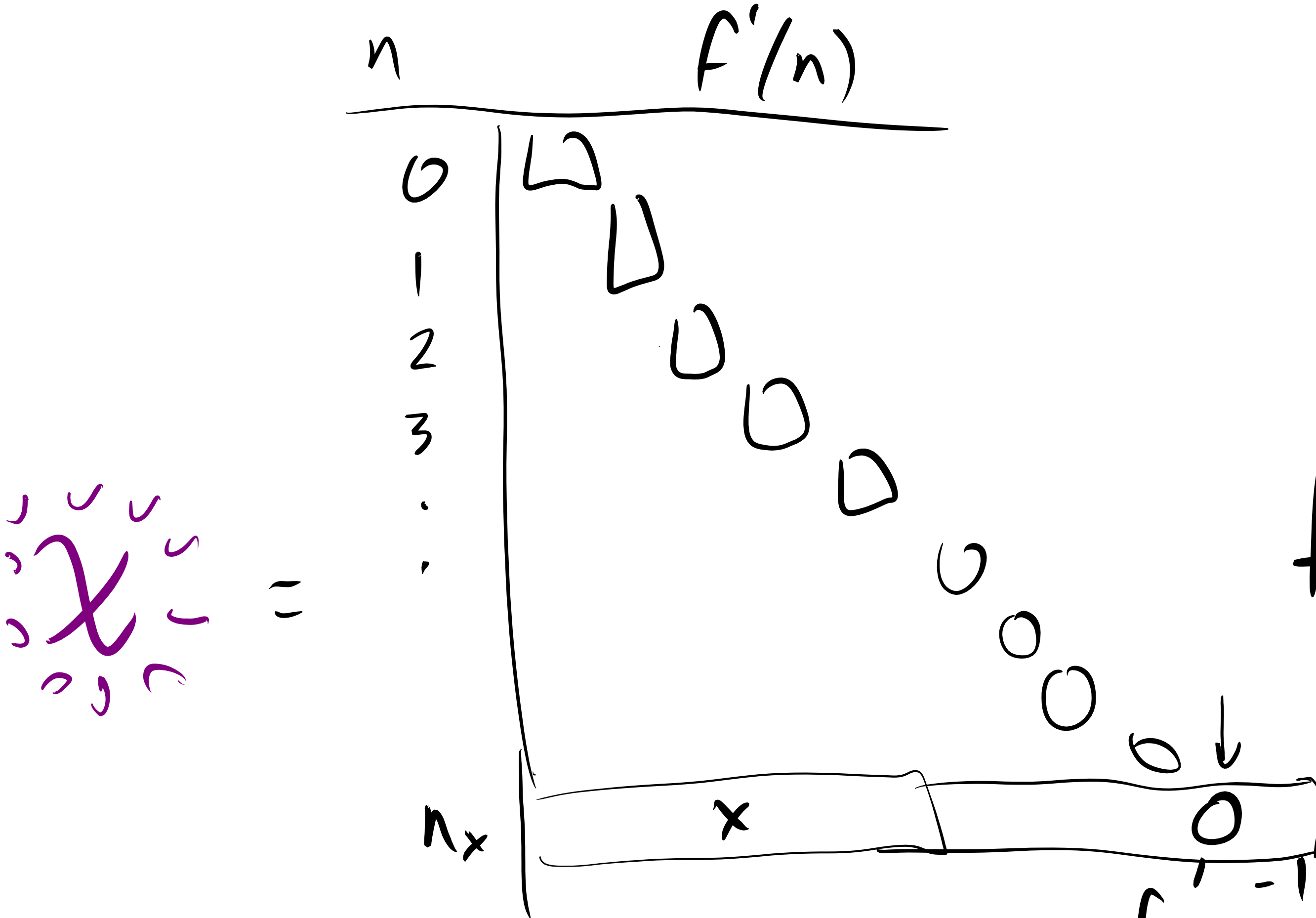
$$31415.926535\ldots$$

$$31415$$
$$31416$$
$$6$$
$$0.0006$$

$$\sum_{i=0}^{4} i^2 = 0^2 + 1^2 + 2^2 + 3^2 + 4^2$$

$$\sum_{i=1}^{\infty} \frac{1}{i} = \frac{1}{1} + \frac{1}{2} + \frac{1}{3} + \frac{1}{4} + \dots$$

$$\sum_{i \in \mathbb{N}} i = 0 + 1 + 2 + 3 + 4 + \dots$$



f'

total invariable

$$f'^{-1}(x) = n_x.$$

$$\lfloor x \, 10^{n_x} \rfloor \bmod 10$$

$$f'(n_x) = x$$

$$\frac{1}{\text{Graham's number}} \qquad \frac{1}{\text{Tree}(3)} \qquad \frac{1}{\text{huh?}}$$

$$\frac{1}{\underbrace{1 + \underbrace{\text{all others}}}} \qquad \frac{1}{\prod_{n \in \mathbb{N}^+} n} \qquad \frac{1}{}$$

$$\frac{1}{\infty} = 0$$

$$\prod_{n \in \mathbb{N}^+} n = \infty$$