

$$f(x) = 3x^2 + \sin x$$

$$g(t) = 3t^2 + \sin t$$

$$\Rightarrow f = g$$

$$xs = [1, 2, 3]$$

$$ys = [100, 200]$$

$$\text{result} = []$$

$$i = 0$$

$$\text{result.append}(1 + 100)$$

$$i = 1$$

$$\text{result.append}(2 + 200)$$

$$\text{result} = [101, 202]$$

Turing Maschine



- endliche # Zustände

q_0, q_1, q_2, \dots

- Endzustände

$$\text{listsum}([1, 2, 3], [100, 200])$$

$$= [1 + 100] + \text{listsum}([2, 3], [200])$$

$$= [101, 202] + \text{listsum}([3], [])$$