





Question 2

1. infix & |+

|+ : Stream Integer  $\rightarrow$  Stream Integer  $\rightarrow$  Stream Integer

~~xxxxxx~~

~~xxx~~

~~xxxxxx~~

~~xxxxxxxxxxxx~~

$$x |+ y = (x + y) :| (xs |+ xy)$$

2. recurrence :: Integer  $\rightarrow$  Integer  $\rightarrow$  ~~Stream~~ Stream Integer

~~recurrence~~

$$\text{recurrence } 0\ 0 = 0$$

$$\text{recurrence } 1\ 0 = 1$$

~~recurrence~~

$$\text{recurrence } xy = \text{recurrence } x :| \text{recurrence } y \ (x^+ y)$$

~~xxxx~~