```
istven: N -> Bool
                            P = \lambda_{-} Book
istven zero = true
istven (such) = not (isteren n)
                   5 = \lambda n. \lambda x. mt x
ind Pzs2
= 51 (50 2)
```

= not (not true) = true

is Even = N > Book = true! istven (surn) = [not x] istven n S=XN, XX. not X

$$-t_{-}: N \rightarrow N \rightarrow N$$

$$Zero + N = N$$

$$Suc (m+n)$$

$$P(us : N \rightarrow 1N \rightarrow 1N)$$

$$P(us (Zero) = \lambda n. n$$

$$P(us (Suc m) = \lambda n. Suc (plus m/n)$$

$$S = \lambda m. \lambda f.$$

$$\lambda n. Suc (f n)$$

$$-x_{-}: N \rightarrow N \rightarrow N$$
 $ze_{N} \times N = ze_{N}$
 $(x_{1}(m) \times N = N + (m \times N))$

A: U, B: U, f: A+B, x: A, y: A Id A x y + 10 : Id A (f x) (f y) Px -> Py Wife (S) $P_{y} = IdA(f_{x})(f_{y})$