



```
data Vect : Nat → Type → Type where
  | Nil : Vect Z a
  | (::) : Vect n a → Vect (S n) a
```



```
zip : Vect n a → Vect n b → Vect n (a, b)
  | Nil Nil = Nil
  | (x :: xs) (y :: ys) = (x, y) :: zip xs ys
```

