## 0.0.1 Remove

The inverse of the append Operations.

```
remove(coll, idx) = ^{\sim} append(coll, idx)
```

The operation remove will return a Collection minus the Value removed from the specified Numeric Index

such that

```
\begin{split} X &= \langle x_0, x_1, x_2 \rangle \\ x_0 &= 0 \\ x_1 &= foo \\ x_2 &= baz \\ remove(X,0) &= \langle foo, baz \rangle \\ remove(X,1) &= \langle 0, baz \rangle \\ remove(X,1) &= \langle 0, foo \rangle \\ remove(X,2) &= \langle 0, foo, baz \rangle &= X \\ \hline [nothing at 3, X unaltered] \end{split}
```