1 Remove

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

$$remove(coll, idx) \rightarrow X'$$

such that if X is a collection $< x_0, x_1, x_2 >$ where

$$x_0 = 0$$

$$x_1 = foo$$

$$x_2 = baz$$

then

$$remove(X, 0) =< foo, baz >= X'$$

$$remove(X, 1) =< 0, baz >= X'$$

$$remove(X, 2) =< 0, foo >= X'$$

and if idx does not exist within X, *remove* will return X unaltered

$$remove(X, 3) =< 0, foo, baz >= X$$