

## Exercise 1

Infer the generalized type for the following function definitions:

```
def S(x, y, z) = (x(z))(y(z))
```

```
def cm(f, g) = x => f(g(x))
```

```
def cr(f) = x => (y => f(x,y))
```

```
def uncr(f) = p => (f(p._1))(p._2)
```

```
def pr(x, y) = c => (c(x))(y)
```

```
def c1(p) = p(x => (y => x))
```

```
def c2(p) = p(x => (y => y))
```

```
def e(x, y) = c1(pr(x,y))
```

```
def Sb(x, y, z) = (x(z))(z(x))
```