

**CSCE 330 Fall 2024**  
**QUIZ 7**  
Assigned Thursday, 2024-11-14

Consider the function `twice` that is provided below, together with its type:

```
twice :: (t -> t) -> t ->t  
twice f x = f(f x)
```

We defined `double` and `quadruple` in this way:

```
double x = x + x  
quadruple x = double (double x)
```

Define `quadruple` using `double` and `twice`

**Answer:**

```
quadruple x = twice double x
```