

in-class problem

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EECS 368 programming language paradigmns

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Questions

The Haskeel library module Prelube provides a large number of standard functions. In addition to the familiar numeric functions, the library also provides many useful functiosn on lists. For example, `take` selects the first `n` elements of a list:

```
> take 3 [1, 2, 3, 4, 5]
[1, 2, 3]
```

Knowing this, what is the result of these

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

take (double 2) [1, 2, 3, 4, 5, 6] -> [1, 2, 3, 4]
take (quadruple 2) [1, 2, 3, 4, 5, 6] -> [1, 2, 3, 4, 5, 6]
take (1 + 2) [1, 2, 3, 4, 5, 6] -> [1, 2, 3]
```