```
Programming in Haskell
Assignments Set 1. 1.2, 1.3, 1.5, 2.1, 2.3, 2.4, 2.5
1.2
       sum [x]
>
       x + sum[]
>
>
       x + 0
>
       Χ
1.3
Define a function product that produces the product of a list of umbers and show
using your def. that product [2,3,4] = 24
       product [] = 1
>
       product (x:xs) = x * product xs
product [2,3,4]
2 * (product [3,4])
2 * (3 * product [4])
2 * (3 * product [])
= 24
1.5
The effect of < instead of <= in sort
qsort [2,2,3,1,1]
qsort [1,1] ++ [2] ++ qsort [3]
qsort subtracts identical terms.
2.1
(2 uparrow 3) * 4
(2 * 3) + (4 * 5)
2 + (3 * (4 uparrow 5))
2.3
N = a 'div' length xs
       where
               a = 10
```

xs = [1,2,3,4,5]

should be