```
Set 3
4.1
>
       half xs = splitAt (length xs 'div' 2) xs
4.2
a)
       safe tail xs = if null xs then [] else tail xs
>
b)
       safetail xs \mid null xs = []
>
                  I otherwise = tail xs
>
c)
       safetail [] = []
       safetail xs = tail xs
>
4.3
1)
False OR False = False
False OR True = True
True OR False = True
True OR True = True
2)
False OR False = False
_ OR _
               = True
3)
False OR b = b
True OR _ = True
4)
bORclb == c = b
       I otherwise = True
4.6
mult = \x -> (\y -> (\z -> x * y * z))
```