Heimadæmi 6 - Hópverkefni

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** Notkun: mapreduce f op u x
               tvíundaraðgerð op
               listi af gildum af tagi A
25 v let rec mapreduce f op u x=
         if x=[] then
              mapreduce f op (op u (f(hd x))) (tl x)
    let inc x = x+1
     and mul x y = x*y in mapreduce inc mul 1 [0;1;2;3;4];;
     let inc x = x+1
     and mul x y = x*y in mapreduce inc mul 1 [0;1;2;3;4];;
     mapreduce : ('a -> 'b) -> ('c -> 'b -> 'c) -> 'c -> 'a list -> 'c = <fun>
     \#-: int = 120
     ** Notkun: mapftwice f
     ** Fyrir: fall f
     ** Gildi: fall g sem tekur lista x sem viðfang og skilar
                lista þeirra gilda sem út koma þegar viðfanginu
               stak í listanum x.
46 \vee let mapftwice f =
         let rec hjalp x =
             if x=[] then
                  (f(f (hd x)))::(hjalp (tl x))
         in hjalp
     let inc x = x+1 in let f = mapftwice inc in f [1;2;3]
     let inc x = x+1 in let f = mapftwice inc in f [1;2;3]
     mapftwice : ('a -> 'a) -> 'a list -> 'a list = <fun>
     \#-: int list = [3; 4; 5]
```