

eliminare de una lista  
i multipl. di un intero  
 $z$

let elim l z =

let f x = x mod z < 0

in filter f l ;;

dato una lista di interi  
 testa tutti gli elementi negativi  
 (non importa l'ordine)

esempio  $[-2; 3; 4; -5]$

$= [-2, -5; 3; 4]$

$= [-5, -2; 4; 3]$

soluzione

risultati:  
 tutti  
 ok

y  
↑  
parte rimanente  
delle liste in  
cui i valori  
negativi sono  
in testa

f x  
↑  
elementi  
di liste  
corrente

let sprouts  $l =$

let  $f \times y = \text{ref } x < 0$   
 then  $x ::= y$   
 else  $y @ [x]$

in folio  $f \square \square l ; ;$

Sprouts: mit  $l_{st} \rightarrow \text{mit } l_{st} = (f_{m_1})$

member

let  $\mu \subset$  member  $x \ l =$

match  $l$  with

$[] \rightarrow$  false

$| y :: ys \text{ when } x = y \rightarrow$  true

$| y :: ys \text{ where } x <> y \rightarrow$

member  $x \ ys ::$

member: 'a  $\rightarrow$  'a list  $\rightarrow$  bool = (fun)

let member  $\times$  l =

let f  $\cup$  y =

w = x  $\cup$  y

in folobr f false l ;;

let member  $\times$  l =

let f  $x$  y =

if  $x = x$  then true  
else y

in folabr f false l ;;

let member  $\times$  l =

let f  $\llcorner$  y =

if y then true  
else  $x = x$

in folobr f false l ;;



let member  $\times$  l =

let f  $\times$  y =

y  $\times$  = w

in folobr f false l ; ;

$a \ \& \ b$

response valutati  
entrambi  $a \ \& \ b$

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$c$

$a \ \& \ b$



$a \ \& \& \ b$

and conditional:

$\equiv$   
if  $a$  then  $b$  else false

a or b      conditional

$\equiv$

if a then true else b

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Spontane in prima  
 posizione el met d.  
 una lista

$$\text{smet} [2; 3; -3; 41; 5]$$

$$= [41; 2; 3; -3; 5]$$

folobz

let  $\text{smax } l =$

let  $f \ x \ y = \text{match } y \text{ with}$   
 $[ ] \rightarrow [x]$

|  $w :: \underline{ws} \rightarrow \text{if } x > w$   
 then  $x :: w :: ws$   
 else  $w :: x :: ws$

in foldr  $f \ [ ] \ l \ ; j$

$$\text{smex} \quad [3:2:10; 2; 5]$$
$$= [10; 3; 2; 5; 2]$$

let  $\text{smax } l =$  undef.

let  $f \times y =$  lstate note

if  $(\text{hd } y) \leq x$  then  $x :: y$   
 else  $(\text{hd } y) :: x :: (\text{tl } y)$

in match  $l$  with

$w :: ws \rightarrow \text{foldr } f \text{ } [\underline{w}] \text{ } ws;$