ბილეთი ????????????? =27

1) mymap :: (a->b) -> [a] -> [b] +5

mymap f xs = [f x |x <- xs ]

\*Main> mymap (+2) [1,4,91]

[3,6,93]

it :: [Integer]

2)

myfilter : : ( a -> bool) -> [a] -> [a] +5

myfilter f [] = []

myfilter f (x:xs) | f x = x: myfilter f xs

| otherwise = myfilter f xs

\*Main> myfilter odd [1,2,3,4]

[1,3]

it :: [Integer]

\*Main> myfilter even [1,2,3,4,6]

[2,4,6]

it :: [Integer]

4) Prelude> takeWhile odd [1,2,3,4,8,9,11] გამოძახებებია მხოლოდ 0

[1,3,9,11]

it :: [Integer]

Prelude> any even [1,3,4,5,6,8]

True

it :: Bool

Prelude> takeWhile even [4,6,2,7,5,8]

[4,6,2]

it :: [Integer]

5) =17

1. getRoom :: [(NedvObject,Int)] -> [(NedvObject,Int)]

getRoom [] = []

getRoom ((Room a b c d,y):xs) = (Room a b c d,y) : getRoom xs

getRoom (\_:xs) = getRoom xs

2. getFlatByPrice :: [(NedvObject,Int)] -> Int -> [(NedvObject,Int)]

getFlatByPrice ((Flat a b c,y):xs) price =

if y == price then (Flat a b c,y):getFalatByPrice xs price

else getFlatByPrice xs price

3. getExceptBounds :: [(NedvObject,Int)] ->Int->[(NedvObject,Int)]

getExceptBounds ((Flat x y z,a):xs) sartuli =

if (x==sartuli) then (Flat x y z,a):getExceptBounds xs

else getExceptBounds xs

getExceptBounds (\_:xs) = getExceptBounds xs

4. getByType :: [(NedvObject,Int)] -> String ->Int-> [(NedvObject,Int)]

getByType [] \_ = []

getByType (x:xs) t price= case x of

(Flat xx y z,a) -> if (t=="Flat") && (price==a) then x:getByType xs t

else getByType xs t

(Room xx y z zz,a) -> if (t=="Room") && (price==a) then x:getByType xs t

else getByType xs t

(House y,a) -> if (t=="House") && (price==a) then x:getByType xs t

else getByType xs t