Quiz

Ivan Trepakov

NSU Sys.Pro

Evaluate expression

```
succ (2 - pred 1)

drop 2 (take 4 "Haskell") > map succ "cat"

sum (map fromEnum (enumFrom False))

map (\x -> x * 2) [1,3..10] ++ [100,1000]
```

Guess type signature

```
max "Haskell"

map fst

map (take 2)
```

Guess type signature

```
(++) [True]

zip [0..]

map filter
```

Guess type signature

```
alph = 'a' : alph

foo = zipWith (:)

f = f f

y g = g (y g)
```

Guess type signature

```
z x y = zip x (concat y)

concatMap f x = concat (map f x)

f = 0 : 1 : zipWith (+) f (tail f)
```

Guess the function(s)

```
_ :: a -> a

_ :: a -> b

_ :: a -> [a] -> [a]

_ :: [a] -> Maybe (a, [a])
```

Guess the function(s)

```
_ :: a -> b -> a

_ :: (a -> b -> c) -> b -> a -> c

_ :: ((a, b) -> c) -> a -> b -> c

_ :: (a -> b -> c) -> (a, b) -> c
```

Guess the function(s)

```
_ :: (a -> b) -> a -> b

_ :: (b -> c) -> (a -> b) -> a -> c

_ :: (b -> a -> b) -> b -> [a] -> b

_ :: (a -> b -> b) -> b -> [a] -> b
```

Q&A