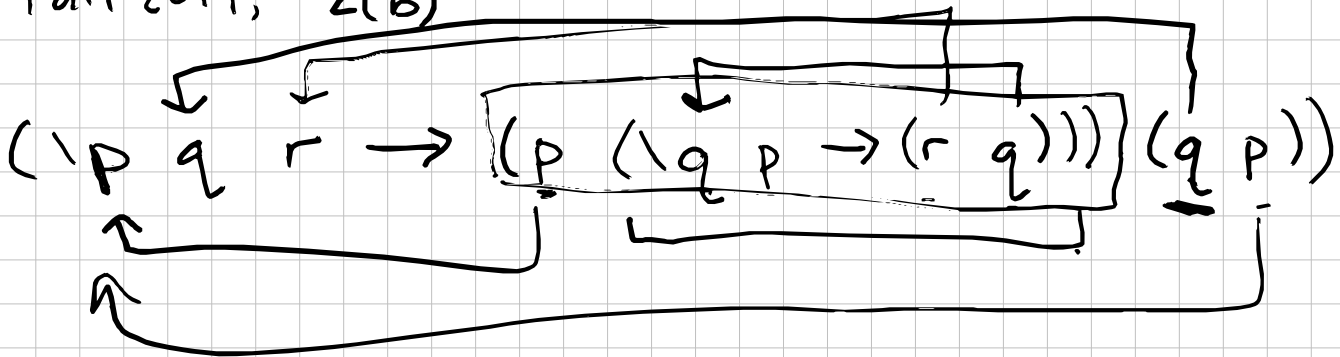


Fall 2019, Z(b)



$Bool \rightarrow (d \rightarrow Bool)$

$[Bool]$

map $(\lambda x y \rightarrow x)$ (foldr $(++)$ $[]$ $[[True, False], [True]]$)

$c \rightarrow (d \rightarrow c)$
map :: $(a \rightarrow b) \rightarrow [a] \rightarrow [b]$

foldr :: $(a \rightarrow b \rightarrow b) \rightarrow b \rightarrow [a] \rightarrow b$

$[True] ++ [True, False]$
 $[True, True, False]$

$(\lambda x y \rightarrow x) 5$
 $= b \rightarrow (\lambda y \rightarrow 5)$

$[Bool]$

$[d \rightarrow Bool]$