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**Principles of Programming Language Evaluation-1**

1)

myind :: Num a =>([a],Int) -> a

myind ([], x) = 0

myind ((n:ns), x)

    | (x < 0) = 0

    | (x >= length(ns)+1) = 0

    | (x == 0) = n

    | otherwise = myind (ns, x-1)

main = do

    print(myind ([1,2,3,4], 2))

    print(myind ([],2))

    print(myind ([1,2,3,4], 5))

    print(myind ([1,2,3,4], -2))

Output:

