Liveness Example
READ(Z)

READ(N)

X = 2

X < N ?

PRINT(X)
READ(Z)

READ(N)

X = 2

X < N ?

PRINT(X)
READ(Z)

READ(N)

X = 2

X < N?

X = X + Z

PRINT(X)
READ(Z)

READ(N)

$X = 2$

$X < N$ ?

$X = X + Z$

PRINT(X)
READ(Z)

READ(N)

X = 2

X < N?

X = X + Z

PRINT(X)
READ(Z)

READ(N)

X = 2

X < N?

PRINT(X)
READ(Z)

READ(N)

X = 2

X < N?

X = X + Z

X < N?

PRINT(X)
READ(Z)

READ(N)

X = 2

X < N?

X = X + Z

PRINT(X)
READ(Z)
READ(N)
X = 2
X < N ?
X = X + Z
PRINT(X)
READ(Z)

READ(N)

X = 2

X < N?

PRINT(X)
READ(Z)

READ(N)

X = 2

X < N ?

PRINT(X)
next: generalization