390 (R)

$12v$

i

$4,7v$

BZX55C 4v7

$12v = iR + 4,7$

$iR = 12 - 4,7$

$i = \dfrac{12-4,7}{R} = \dfrac{12-4,7}{390} = 0,018A$

$\simeq 18mA$

18mA   **390**

A

$12v$

$4,7v$

i

$R_L = 1k$
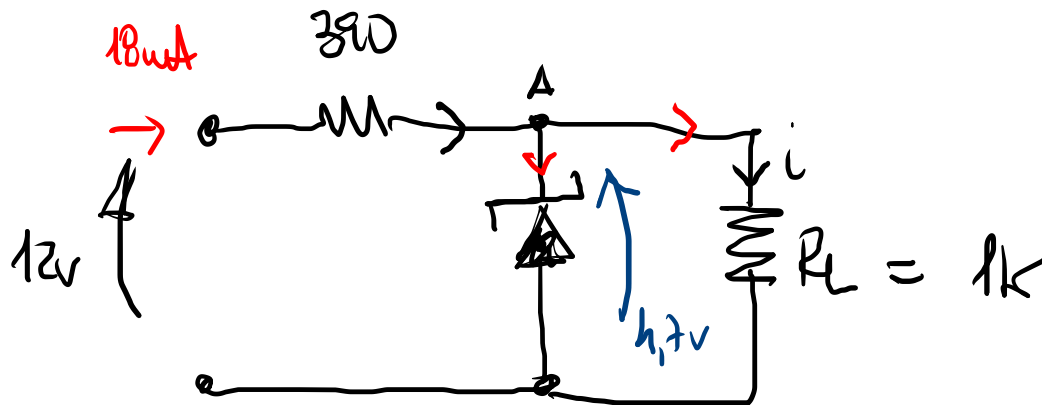
$V = iR$

$i_R = \dfrac{V}{R} = \dfrac{4,7}{1000} = 0,0047A$

$4,7\, mA$

$i = \dfrac{12-4,7}{R} = \underline{18\,mA}$

$i_z = 18 - 4,7\,mA \simeq 13,3\,mA$