

Vill- sen(2nt - 3) -2 cos(2nt)+ cos(n(t-2)) +05(50 at-n/3)

 $v_{i}(t) = e^{i2\pi t} - i(t^{\frac{\pi}{2}t} + \frac{\pi}{2}) - 2e^{i2\pi t} = u \left(e^{-i\frac{\pi}{2}\pi} - 2\right)e^{i2\pi t}$ 

(e-j=n-2) ZR= 1

 $Z_{1} = j \frac{2\pi \cdot 1}{2\pi} = j \frac{2\pi}{2\pi}$   $Z_{2} = j \frac{2\pi}{2\pi} = \frac{1}{j \frac{2\pi}{2\pi}} = j \frac{1}{2\pi}$ 

N(1)= VA + V2 + V2 = i + i. j2n + i. (j2n 4 - j 2n +2) i =>  $i = \frac{\sqrt{i}}{4\pi^2 - 1} + 1$ 

Vc= 1. 2c= -j 2n . 2n -2