$$= \frac{\pi N}{4} = k\pi / \frac{\pi}{\pi}$$

$$N = 4k \quad k \in \mathbb{Z} \implies N_0 = 4$$

$$2) \quad f_2(u) = n \quad \min(\frac{\pi u}{4})$$

$$f_2(n+N) = (n+N) \quad \min(\frac{\pi u}{4} + \frac{\pi N}{4}) = (n+N) \quad \min(\frac{\pi u}{4}) = (n+N) \quad \min(\frac{\pi u}{4})$$

N = G

-> vije periodicia

3) 
$$f_3(u) = min \left(\frac{\pi n^2}{4}\right)$$

$$f_3(n+N) = \min\left(\frac{T(n+N)^2}{4}\right) = \min\left(\frac{T(n+2nN+N^2)}{4}\right) = \min\left(\frac{T(n+2nN+N^2)}{4}\right) = \min\left(\frac{T(n+2nN+N^2)}{4}\right)$$

$$(2uN + N^2) = 2k\pi / \frac{1}{2}$$

$$\frac{NN}{4} + \frac{N^2}{8} = k \quad k \in \mathbb{Z}$$

$$\frac{N}{4}(n+\frac{N}{2})=k$$
  $\Rightarrow$  Bostoji li N +.d. za +lu  $\in \mathbb{Z}$  izraz bude gilderojan

$$R_{x} = \frac{1}{12} \left[ |x_{1}(t)|^{2} dt \right] = \frac{1}{12} \left[ |x_{2}(t)|^{2} dt \right] = \frac{1}{1$$