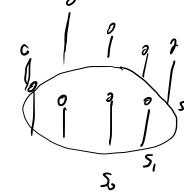
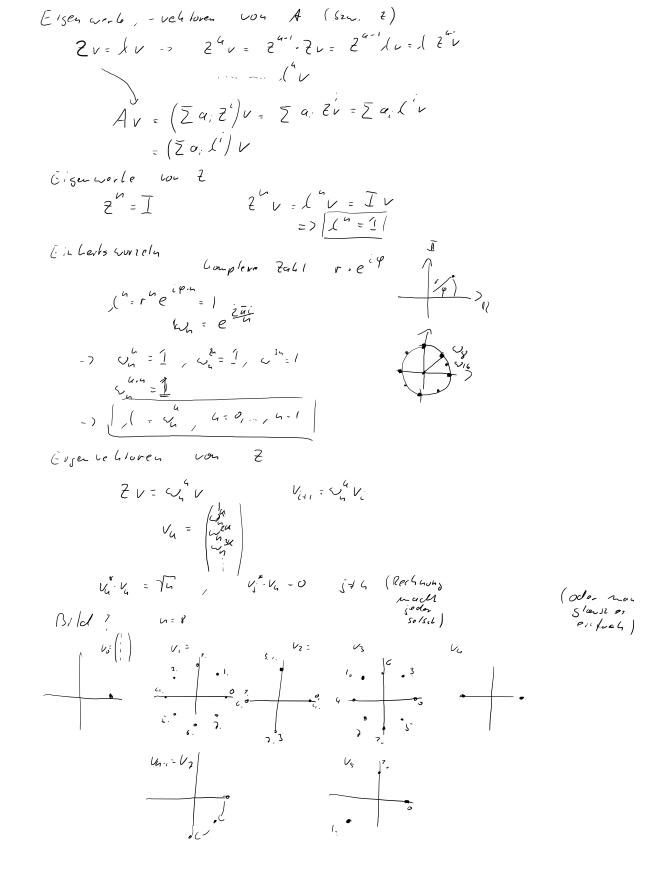
1) is line te Fourier transformation Signale F://e, A:(R->1R) ->(R->1R) 5(+) Modellaunahmen (51 Filler 1. Linear -> A ist eine Mahix

2. 2011 invarion l (oils invariant, stationis)

515 val 5 periodisoli: 5; = 5; + u.u.





Vo V, .... Vu .... Vn.

Dishrele Fourier Lousforn chou

$$\Omega = \frac{1}{\sqrt{n}} \left( v_{01} v_{11} v_{12} \dots v_{n-1} \right) = \frac{1}{\sqrt{n}} \left( v_{01} v_{11} v_{12} \dots v_{n-1} v_{n-1} \right) = \frac{1}{\sqrt{n}} \left( v_{01} v_{12} v_{12} \dots v_{n-1} v_{n-1$$

Faltung 5 59 tz

Fusen lant

 $A\Omega = \Lambda\Omega$ 

A= AA Q]

 $A V_{u} = \left( \sum_{i} \alpha_{i} \left( \zeta_{i}^{u} \right)^{i} \right) V$   $(a = \sum_{i} \alpha_{i} \zeta_{i}^{u} = V_{i} \cdot \alpha$ 

1 = dias (la) = dias (la)

a'\*5 = As = 2. dias (2]a'). 2]s

Faltung im Orbstann = Paltung in Frequentraun