$$\frac{K=2}{X[2]} = \frac{3}{2} = \frac{i a \pi}{4} \cdot n \cdot 2$$

$$n=0$$

$$= \times Co_{3}e^{-\frac{i2\pi}{4}.0.2} + \times C_{3}e^{-\frac{i2\pi}{4}.1.2} + \times C_{3}e^{-\frac{i2\pi}{4}.2.2} + \times C_{3}e^{-\frac{i2\pi}{4}.3.2}$$

$$= -1$$

$$=2.1+5*(-1)-1:1-3*(-1)=2-5-1+3=-1$$

K=3

KAYTETAAN HYVAKSI DETIN SYMMETRISTYTTA

$$X(k) = (3, 3-8i, -1, 3+8i)$$

ESITÀ KOMPLEKSILUKU $\frac{1317}{3}$ KARTEESISESSA MUODOSSA $i\theta = (os(\theta) + isin(\theta))$

$$3e^{i\frac{1317}{3}} = 3\{\cos(\frac{1317}{3}) + i\sin(\frac{1317}{3})\}$$

$$=3(0,5+i0,8660)=1,5+2,5981i$$