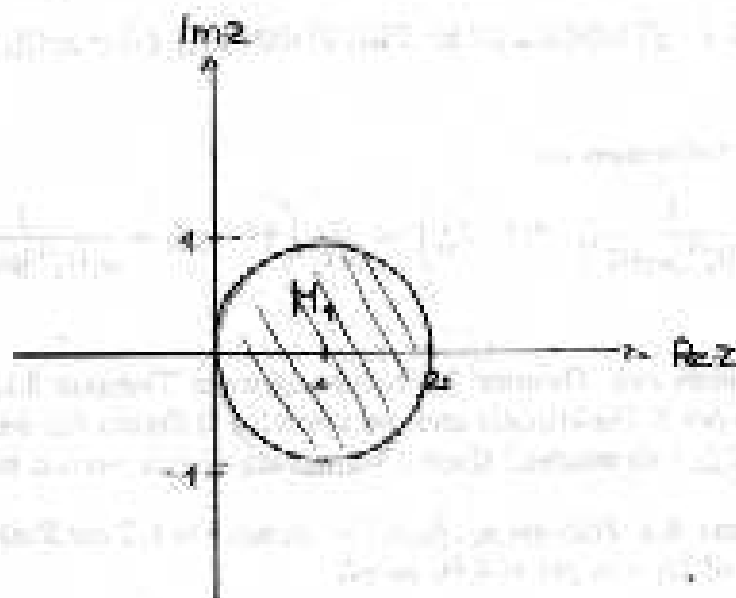
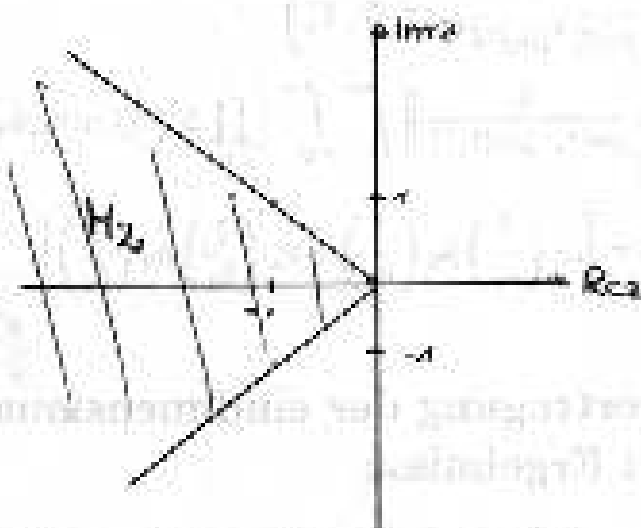


zu G3:

a) (i)



(ii)



b) (i) Setzen $a = 5 + 2i$. Dann gilt:

$$|a| = \sqrt{29}, \quad \arg a = \arccos\left(\frac{5}{\sqrt{29}}\right) \approx 0,381$$

Die Lösungen sind somit

$$z_k \approx \frac{5}{\sqrt{29}} \cdot e^{i\left(\frac{0,381 + 2\pi k}{6}\right)} \quad k = 0, 1, 2, 3, 4, 5$$