

Hva hvis $r_1 \in \mathbb{R} = \mathbb{R} \subset \mathbb{C}$?

$$X_n = C r_1^n + D r_2^n$$

Vi vet at $r_2 = \bar{r}_1 = r$

$$X_n = C r^n + D \bar{r}^n$$

Vi må ha $D = \bar{C}$

$$X_n = C r^n + \bar{C} \bar{r}^n$$

Hvis $C = A + iB$

$$r = \rho e^{i\theta} = \rho(\cos\theta + i\sin\theta)$$