Properties of ROC

FL	RSS	$\rightarrow$	$|z| > 0$
FL	LSS	$\rightarrow$	$|z| < \infty$
FL	DSS	$\rightarrow$	$0 < |z| < \infty$
IL	RSS	$\rightarrow$	eg. $a^n u(n) \rightarrow |z| \geq a$
IL	LSS	$\rightarrow$	eg $-a^n u(-n-1) \rightarrow |z| < b$
IL	RSS (Multipole)	$\rightarrow$	Outside Outermost Pole
IL	LSS (Multipole)	$\rightarrow$	Inside innermost Pole
IL	DSS	$\rightarrow$	eg. $a^n u(n)$ $\&$ $-b^n u(-n-1) \rightarrow$ Common Region

ROC does not contain any poles

Stable $\rightarrow$ ROC includes unit circle

Causal $\rightarrow$ ROC must be exterior to outermost pole