

Rule E: Asymptotes

Rule E: Branches near ∞ have phase

$$\begin{aligned}\angle s &\simeq \frac{180^\circ + \ell \cdot 360^\circ}{n - m} \\ &= \frac{(2\ell + 1) \cdot 180^\circ}{n - m}, \quad \ell = 0, 1, \dots, n - m - 1\end{aligned}$$

Note: if $m = n$, then there are no branches at ∞ .