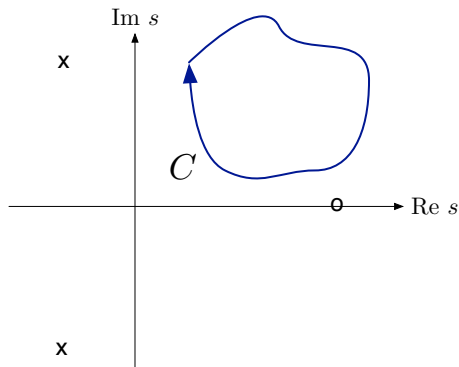# Case 3: Contour Encircles No Poles or Zeros

Suppose that C is a closed, $\circlearrowleft$-oriented contour in $\mathbb{C}$ that does not encircle any poles or zeros of $H(s)$:

How does $\angle H(s)$ change as we go around C?