So as predicted, can identify zeros of ζ with roots. of SL_2

Also, notice $x \in \mathbb{P}^1_{\mathbb{C}}$ $\frac{1}{x} = x^{-1}$

give complex conjugation.

Since ζ is Belyi, think of all of this in terms of the extension $\mathbb{Q}(i)/\mathbb{Q}$.

Also, Marcollis work confirms there is a connection to Bruhat-Tits buildings, which I think is the "right way" to think about zeros as roots