

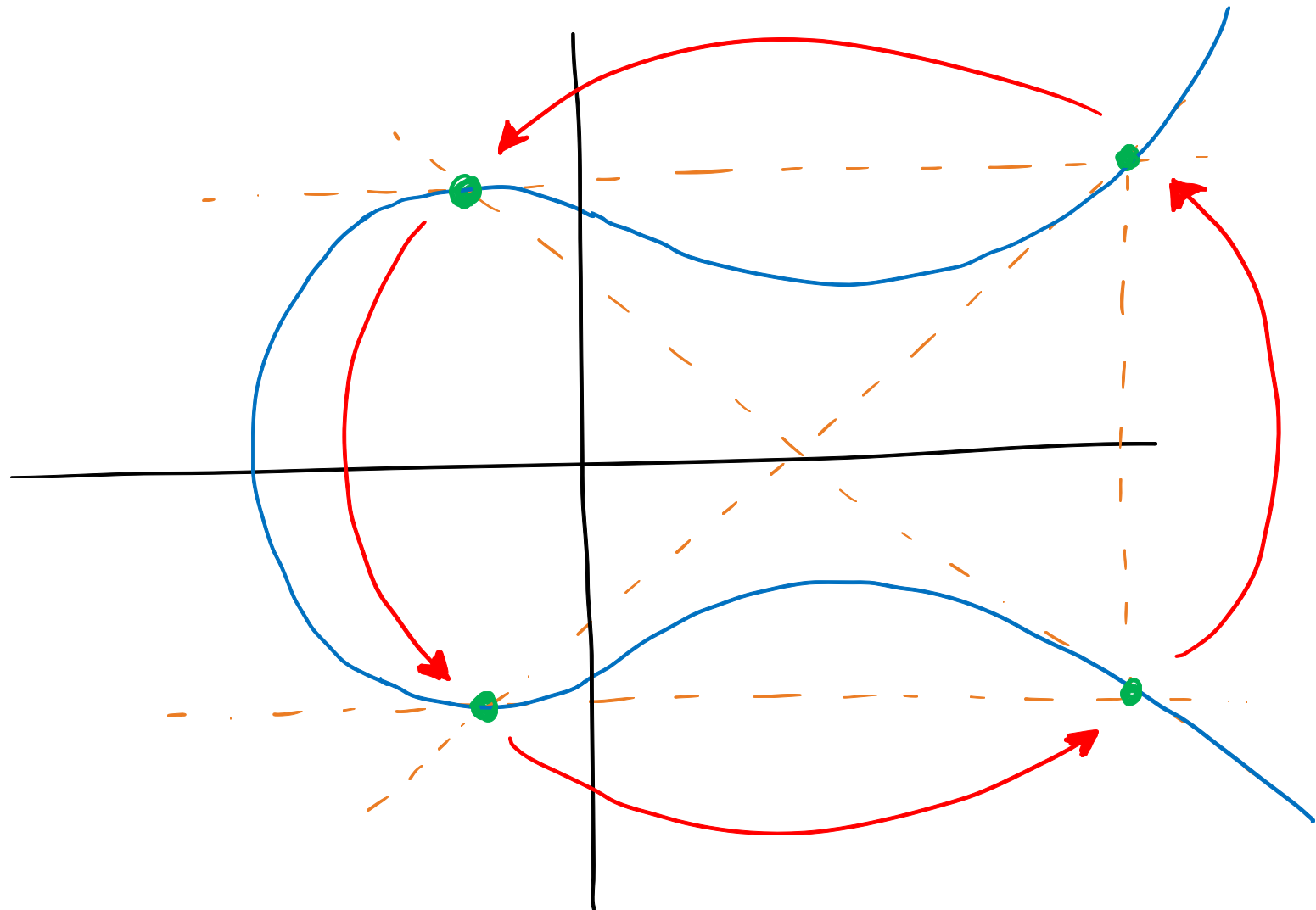
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“Towards a classification of
adelic Galois representations
attached to elliptic curves over \mathbb{Q} ”

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E/\mathbb{Q} an elliptic curve.

$$\rho_E : \text{Gal}(\bar{\mathbb{Q}}/\mathbb{Q}) \longrightarrow \text{GL}(2, \hat{\mathbb{Z}})$$



Let E/\mathbb{Q} be an elliptic curve.

Thm (Mordell-Weil) $E(\mathbb{Q})$ is a finitely generated abelian group.

• E

