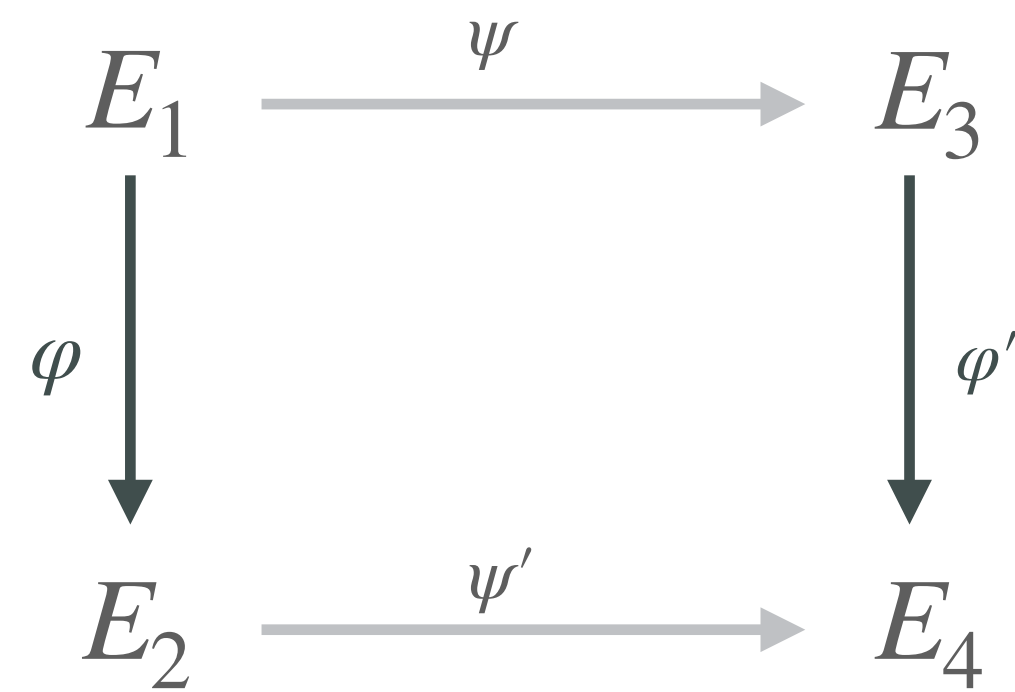


PART 2

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Kani's Lemma (1997)



if $\deg \varphi = \deg \varphi'$
and $\deg \psi = \deg \psi'$
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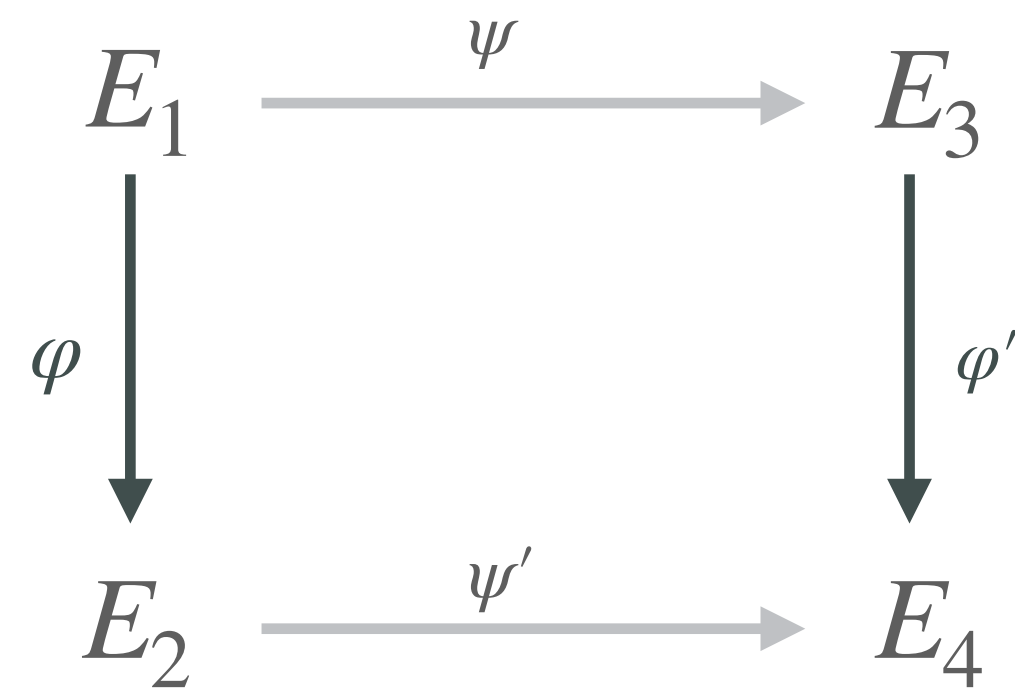
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1D isogeny

if we know $\ker \varphi$,
then we can compute
 $\varphi : E \rightarrow E'$ and $\varphi(P)$