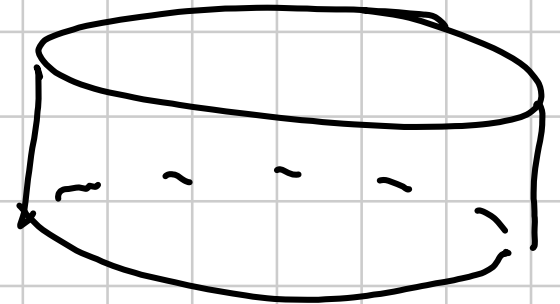
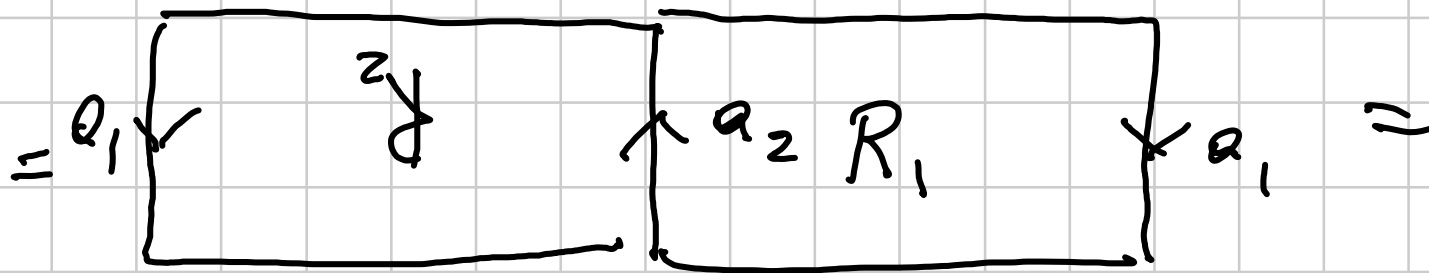
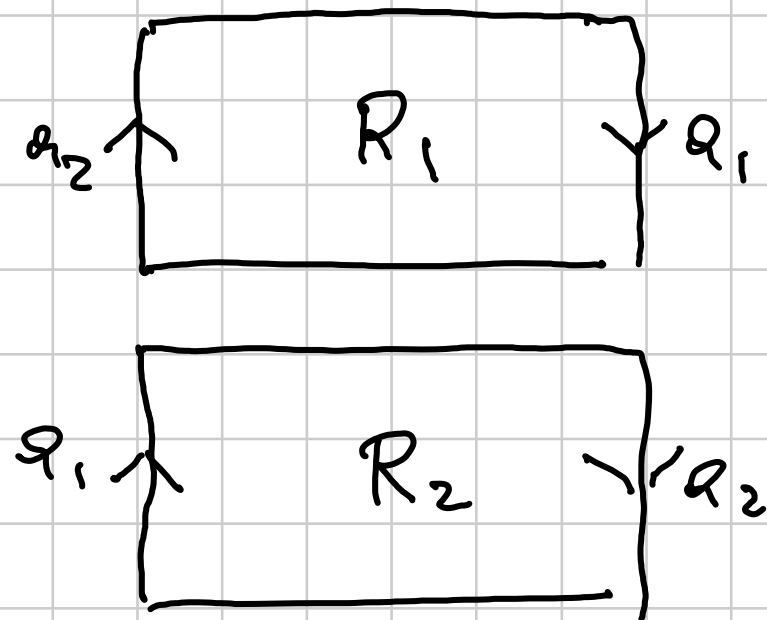
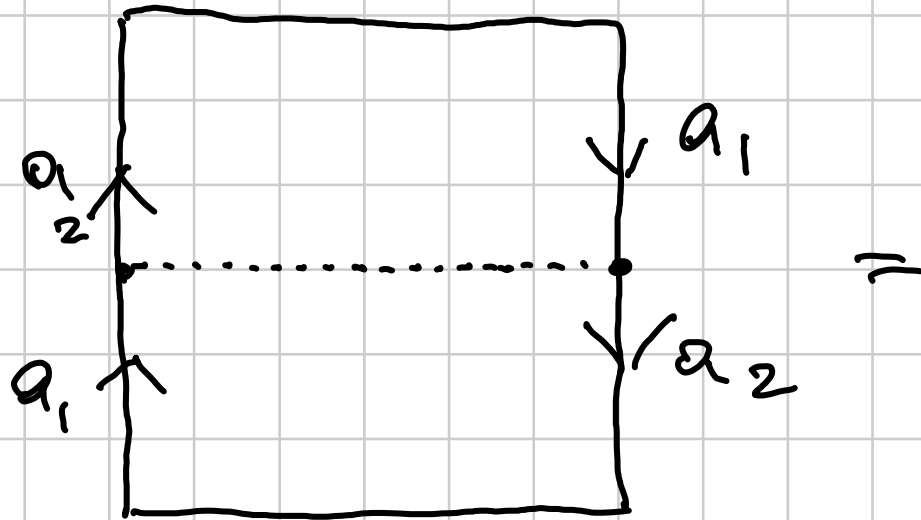
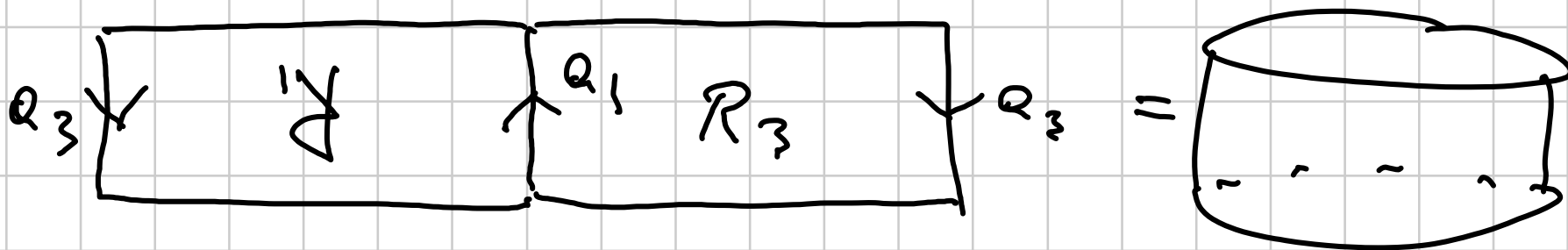
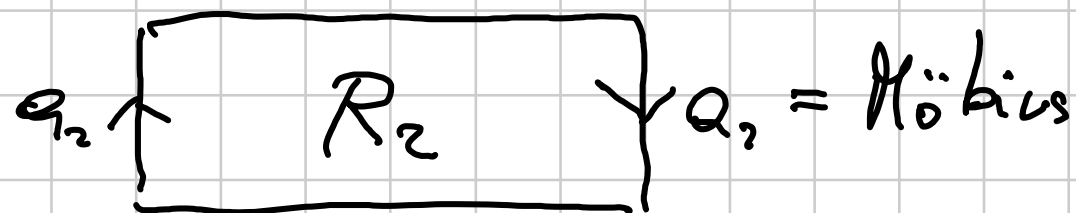
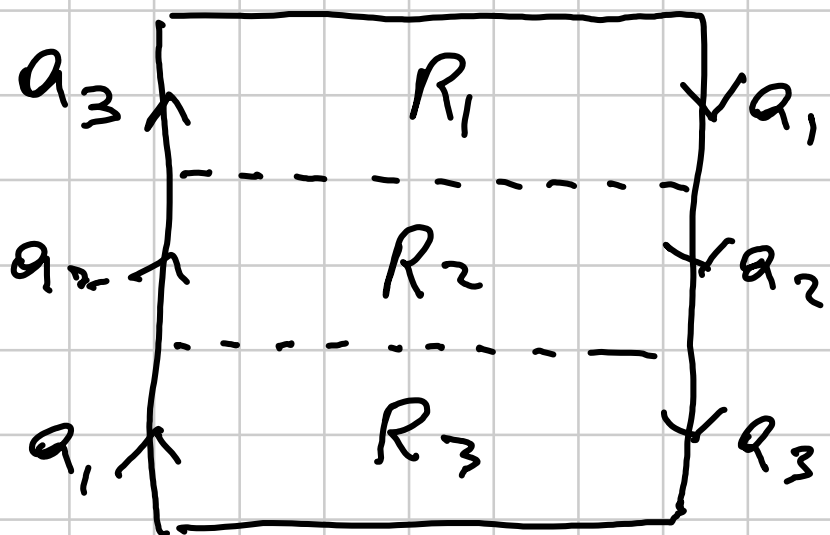


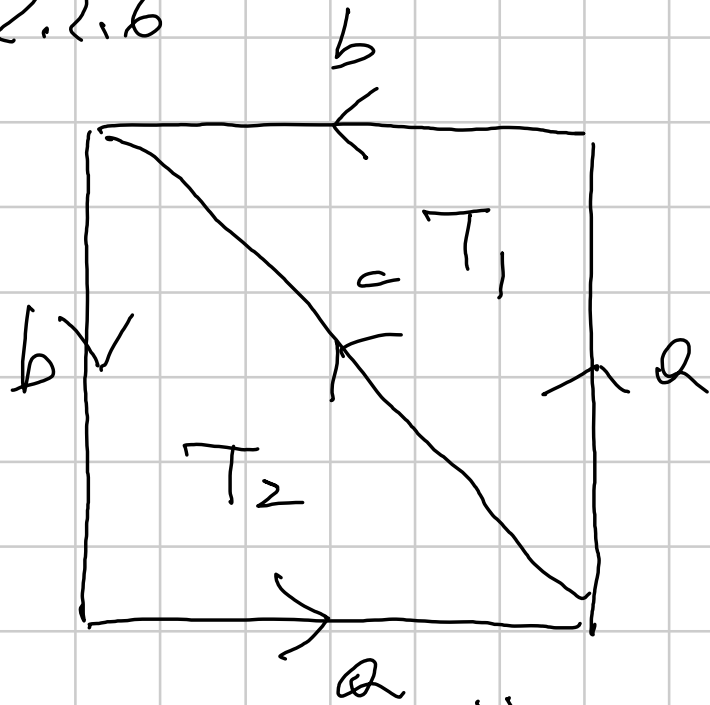
Geom 23/4/16

12.2.5

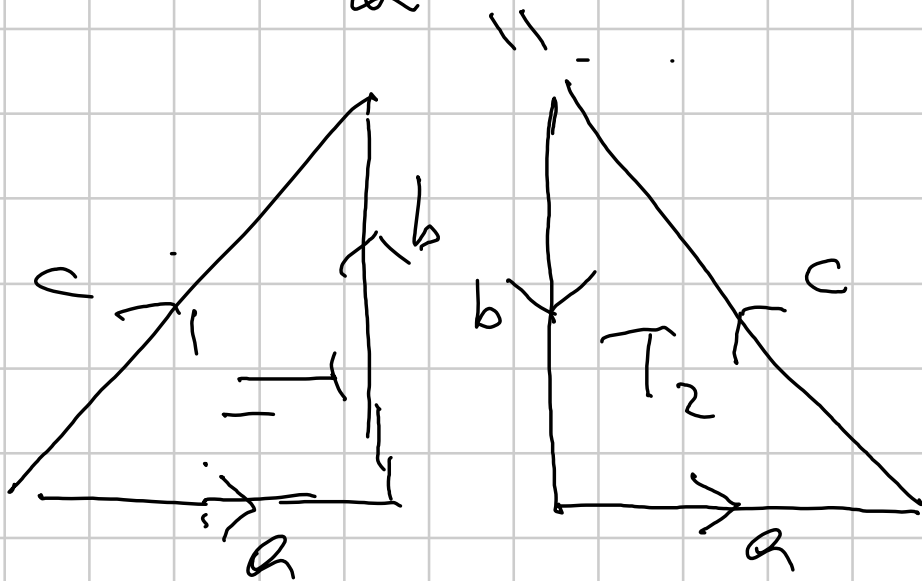
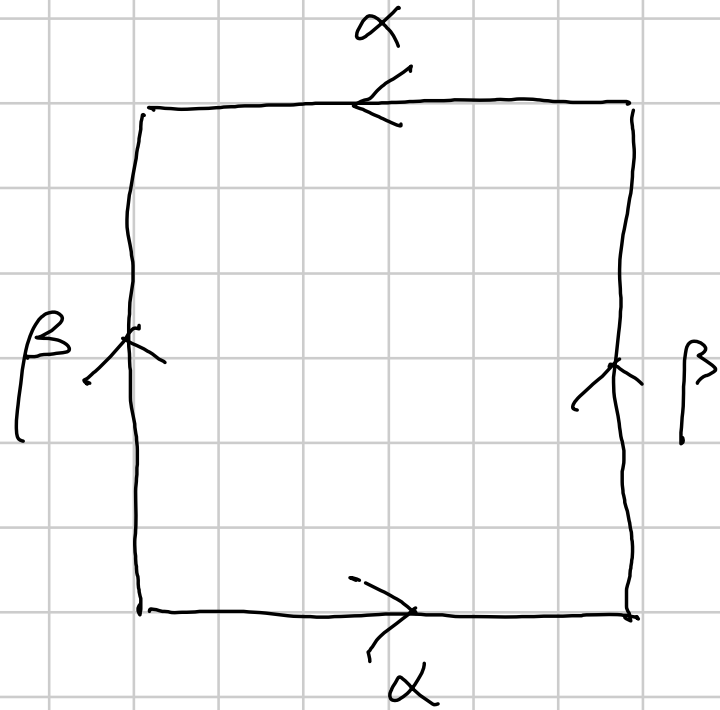




12.2.6

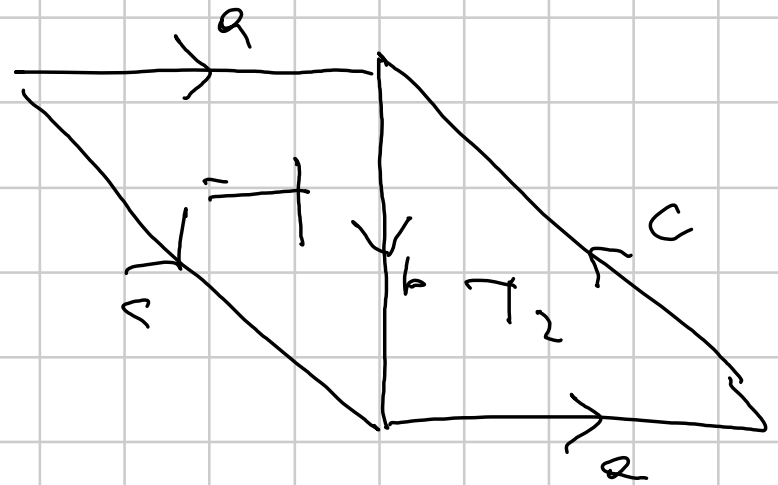


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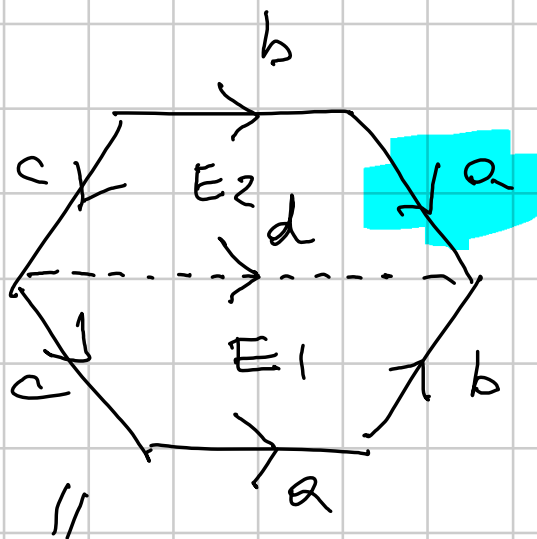


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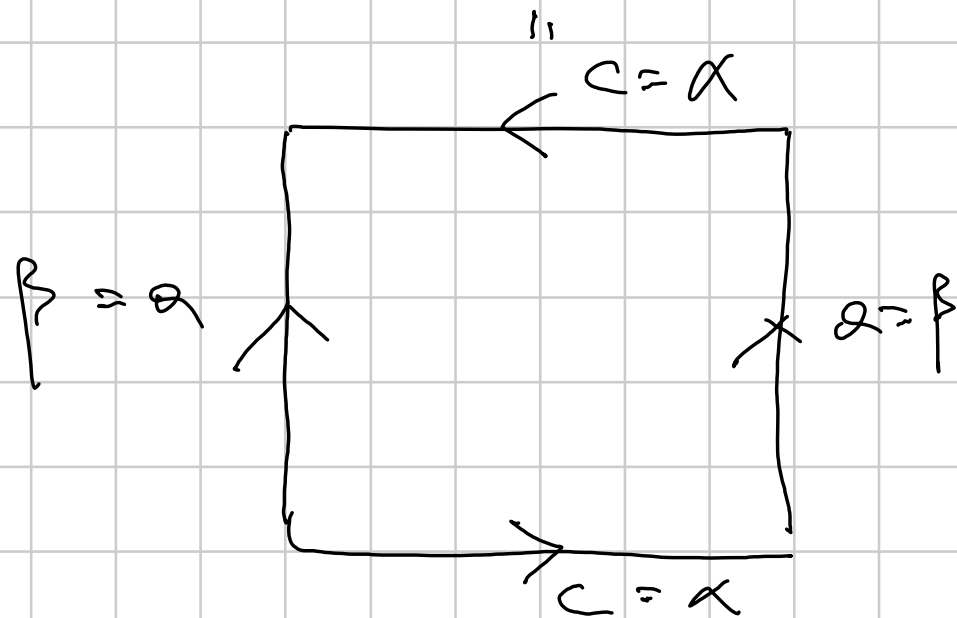
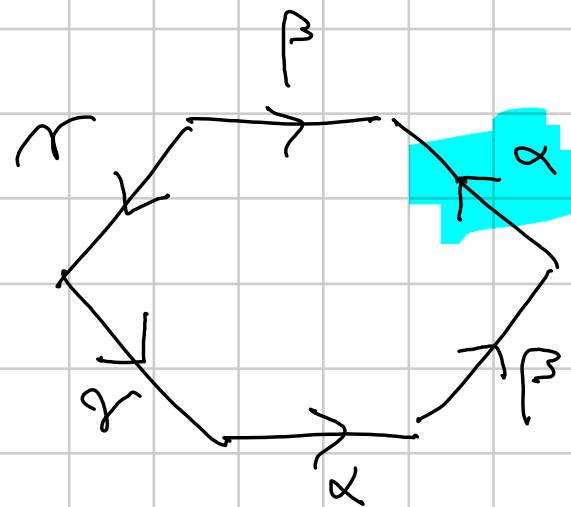
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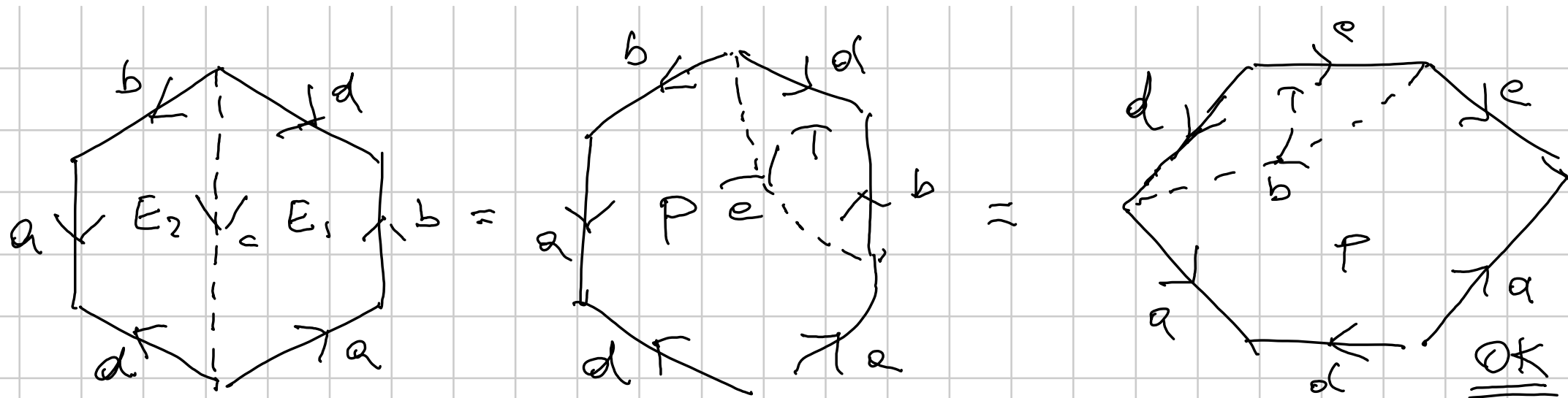
12.2.7



!



OK



Def: R relaz. su S è antisimmetrica se

$$xRy, yRx \implies x=y$$

ES: " $\leq$ " su $\mathbb{R}$

rifl: $x \leq x$

antisim. $x \leq y, y \leq x \Rightarrow x = y$

trans $x \leq y, y \leq z \Rightarrow x \leq z$

Dir $\leq_R \bar{e}$ $\leq_{\text{sup}} / \leq_{\text{sim}} / \leq_{\text{antisim}} / \leq_{\text{trans}}$

• $\leq \mathbb{N}$

• $n R m \Leftrightarrow |n| = |m|$

$\leq_{\text{sup}} \bar{e} / \leq_{\text{sim}} \bar{e} / \leq_{\text{antisim}} n_0 / \leq_{\text{trans}} \bar{e}$

• $n R m \Leftrightarrow |n| \geq |m|$

refl $\bar{s}$ / siem no / art'sim no / trans $\bar{s}$

o $nRm \leq |n| < |m|$

refl no / siem no / art'sim ($\bar{s}$) / trans $\bar{s}$

• { popolare mondiale }

o aRb se a è discendente di b

refl $\bar{s}$ / siem no / art'sim $\bar{s}$ / trans $\bar{s}$
 ↑
 conveniamo
 che termine

• a R b se a è consanguineo di b

refl $\bar{n} / \text{sim}$ $\bar{n} / \text{antisim}$ no / trans no