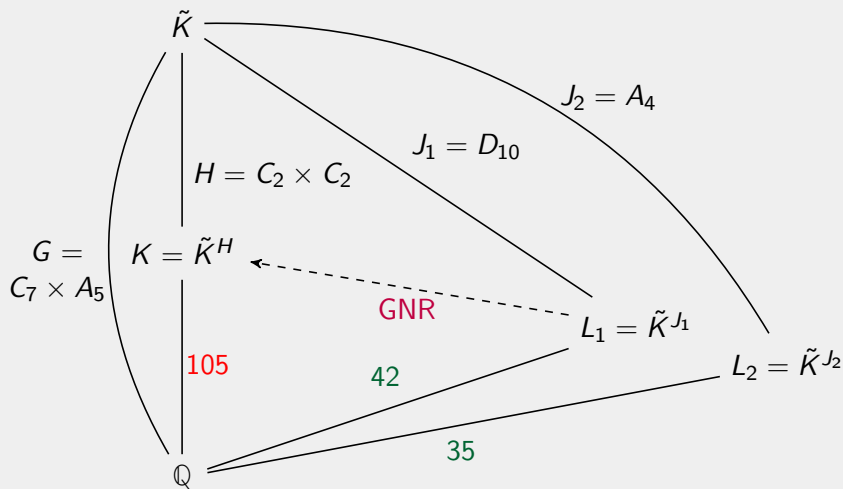




# Computing class groups



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## Implementation

For  $K$  of degree  $d_K = 105$  and discriminant

$$\Delta_K = 2^{126} \cdot 29^{90} \cdot 67^{42} \simeq 1.7 \cdot 10^{246}$$

I compute  $Cl(K)$  in less than five days!

[more details here!](#)



[https://www.math.u-bordeaux.fr/~fetienne002/article\\_class\\_group.pdf](https://www.math.u-bordeaux.fr/~fetienne002/article_class_group.pdf)