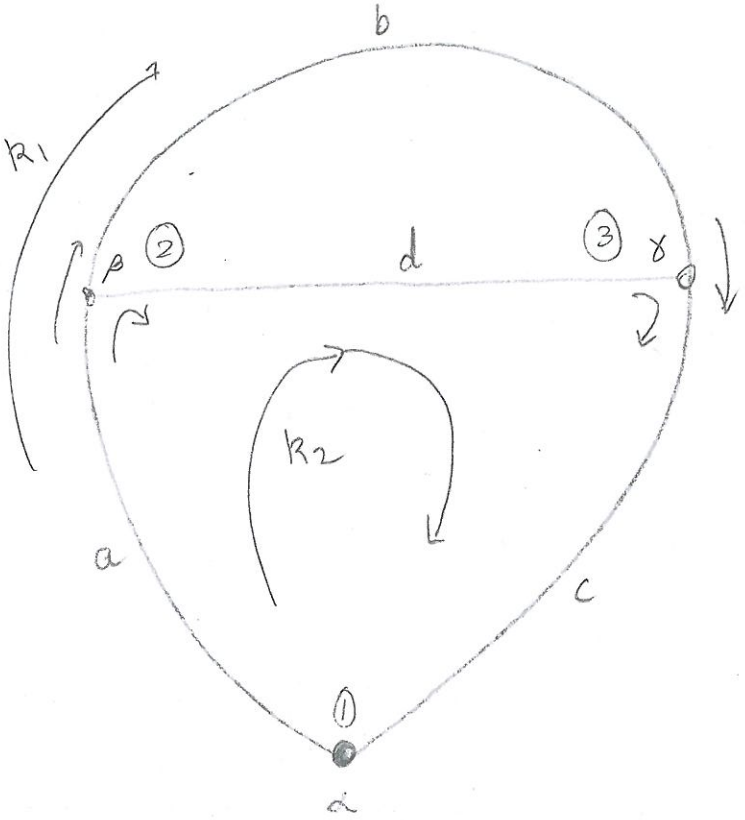
Back to the beginning

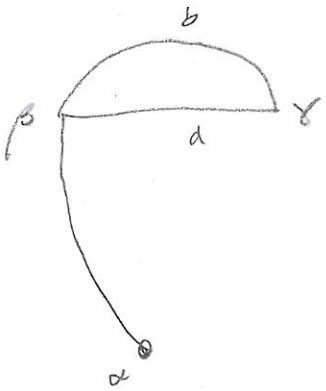


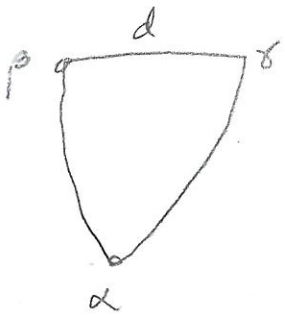
Vertices α, β, γ
Edges a, b, c, d
Gens k1=1, k2=2

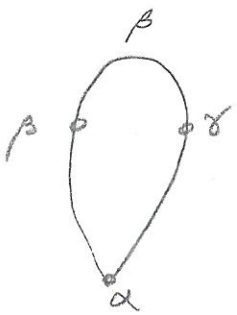
Edge	Forms part of gen^r
a	1, 2
b	1
c	1, 2
d	2

Vertex	Pairs to be resolved
α	a, c
β	b, d
γ	b, d

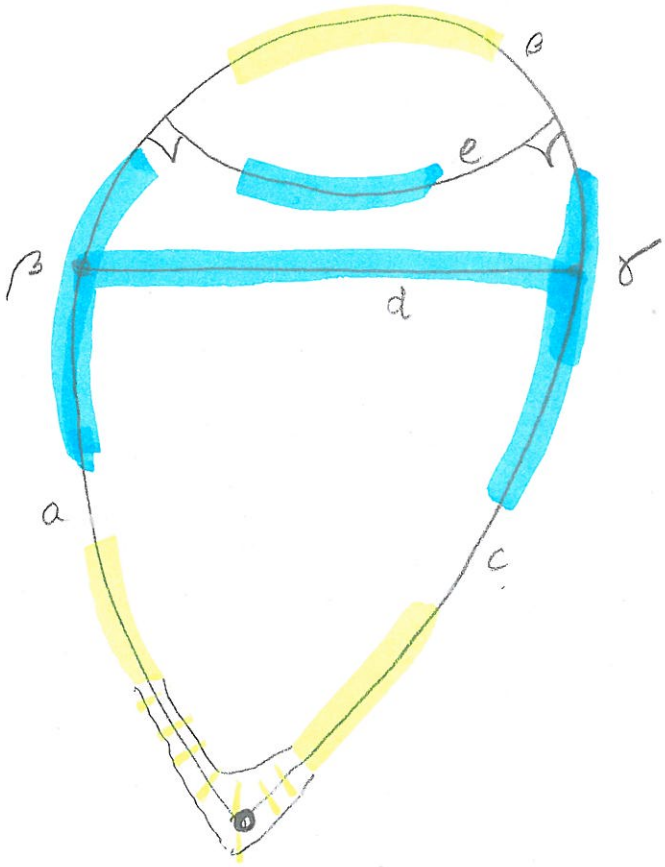
Loops







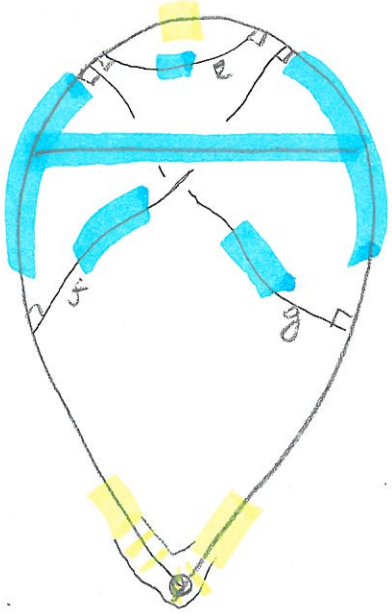
Panel



- resolves (b,d) both at γ & β
- do not have normal form for  $\leftrightarrow k_1 k_2^{-1}$

so need to add more edges, f, g,

- specific to this kind of example



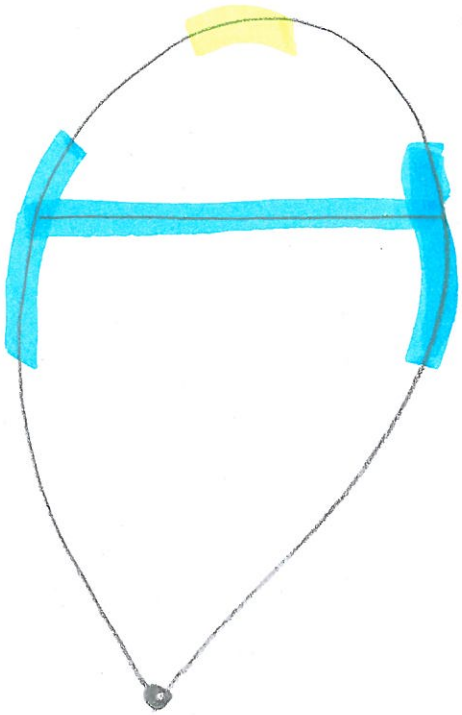
- can now read nfs of $(k_1 k_2^{-1})^n$ & $(k_1^{-1} k_2)^n$

& all others.

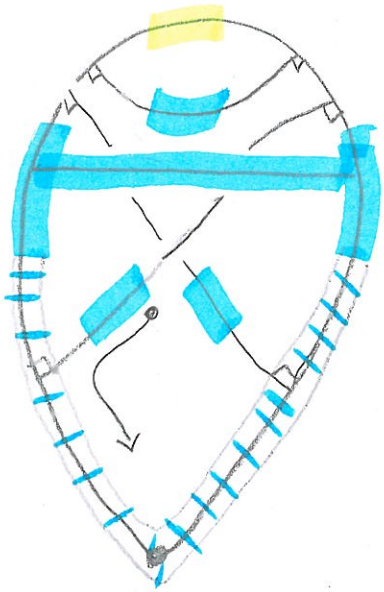
(a loop! didn't think needed checking)

Case 2

(k_2 in a factor)

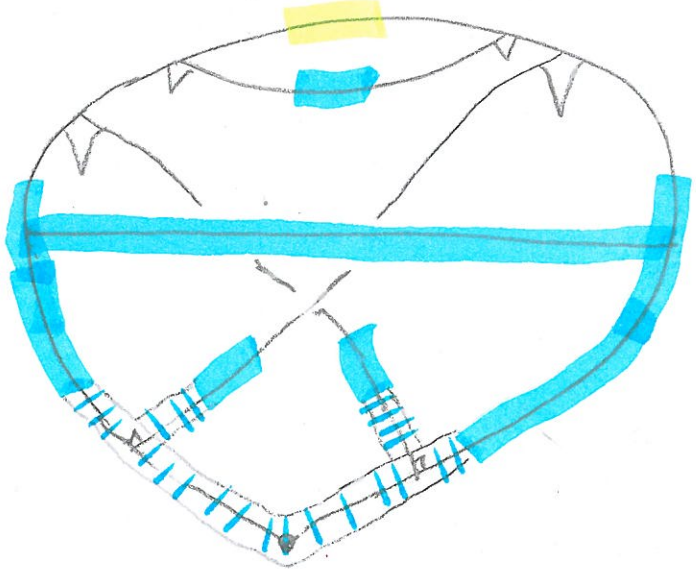


- resolve as in case 1



- now do not have normal form of $k_1 k_2^{-2}$; on account of part marked

So need to add more



- now have nf's of $k_1 k_2^{-n}$ and $k_1^{-1} k_2^{n}$

& everything else.