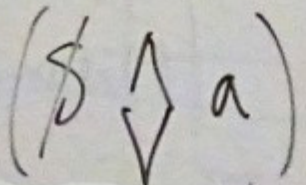
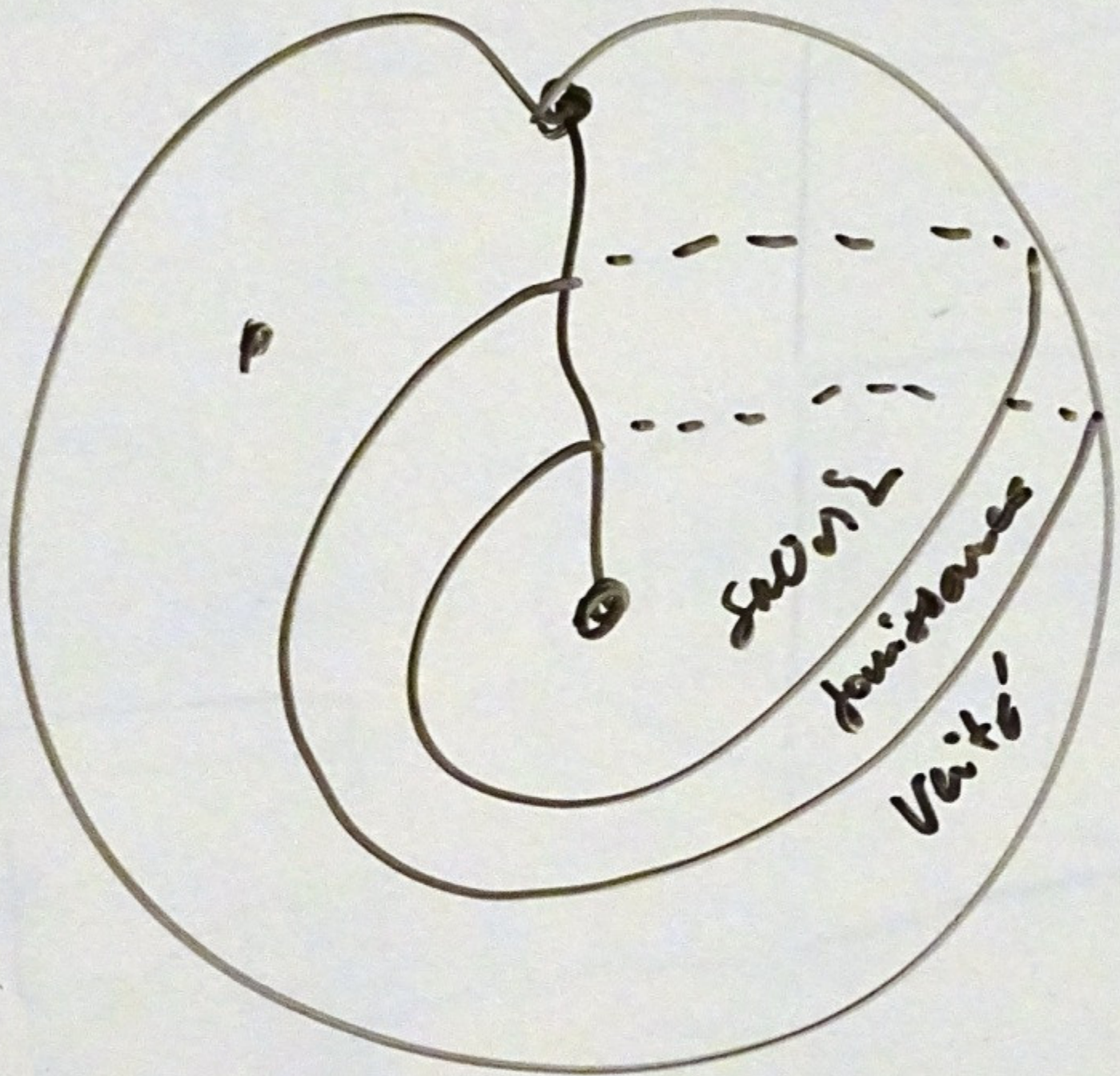


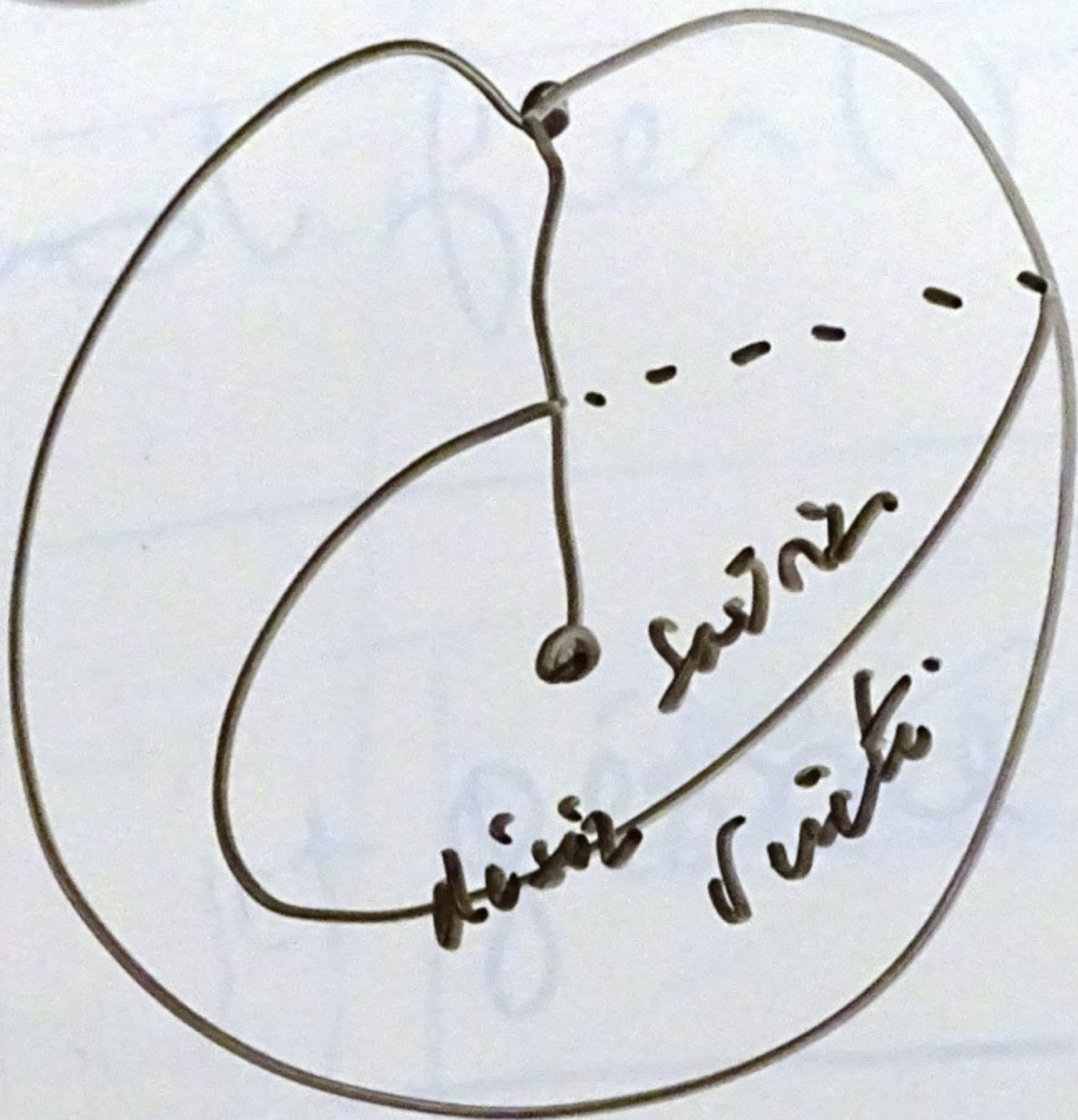
a disque



$\$$ bande de Moebius



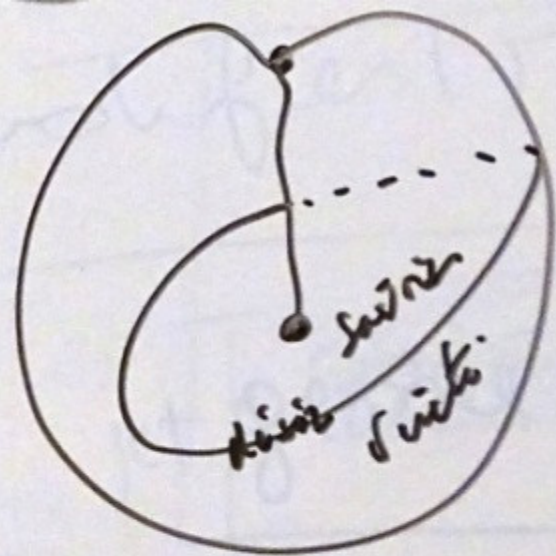
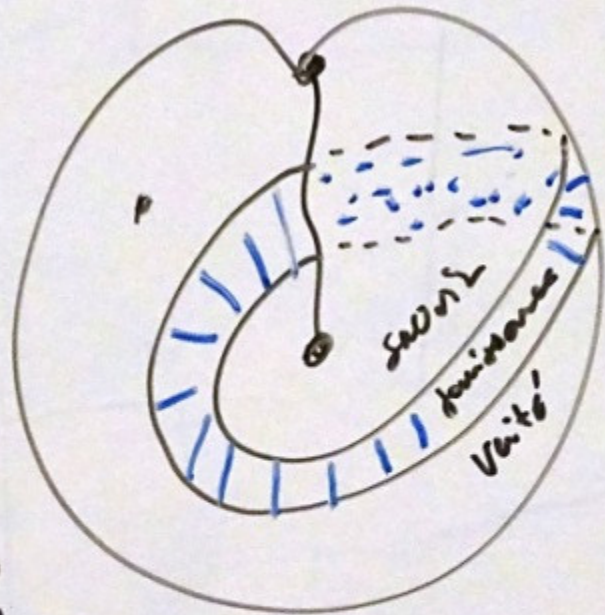
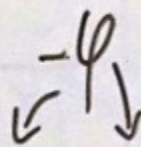
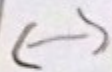
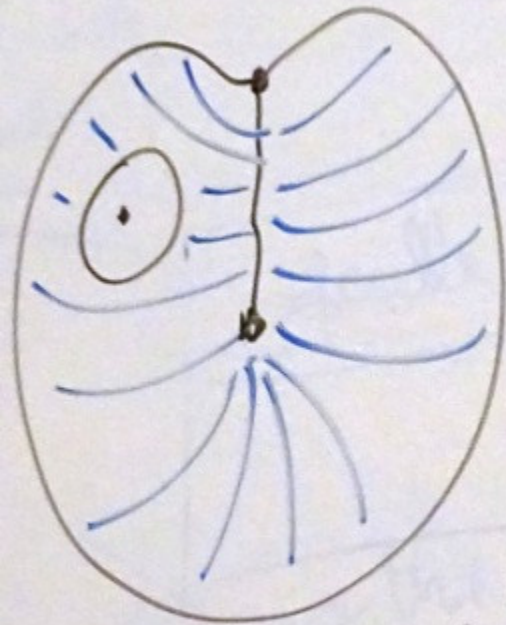
§ bande de Hochius



Hindi

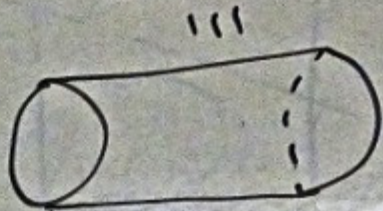
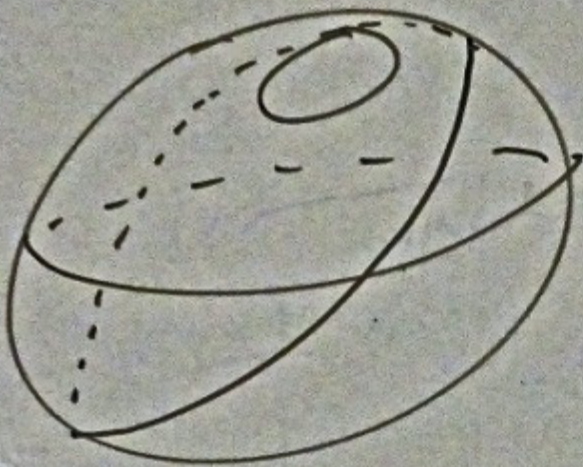
Sukhi

Sukhi

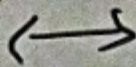
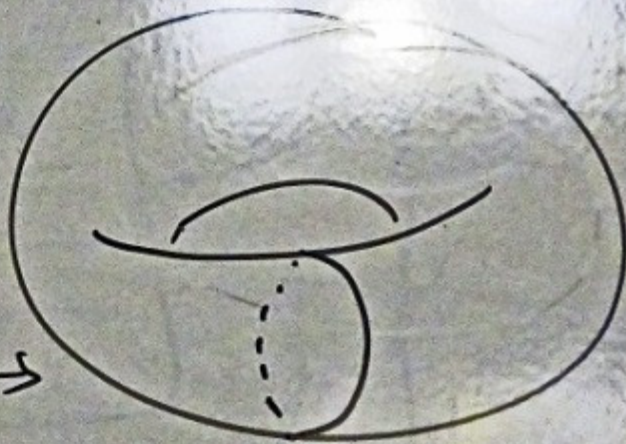
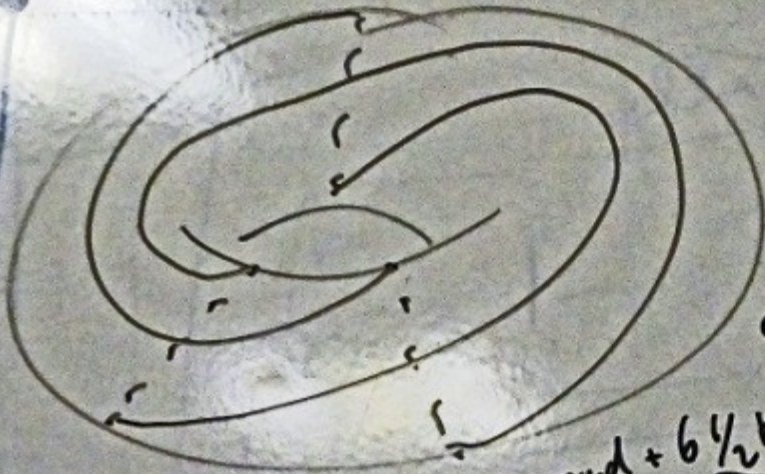


a disque $(\mathbb{S}^1 \times \mathbb{D}^2)$

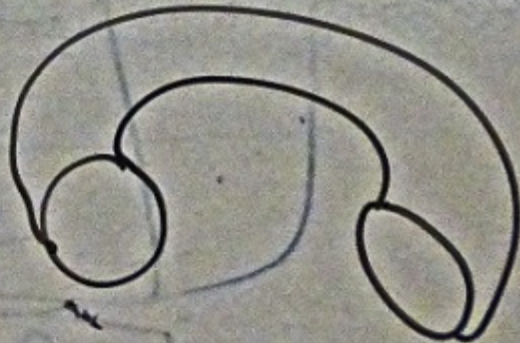
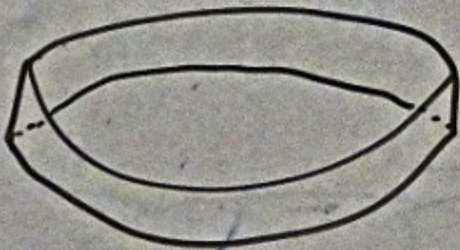
\mathbb{S}^1 bande de Möbius



circle



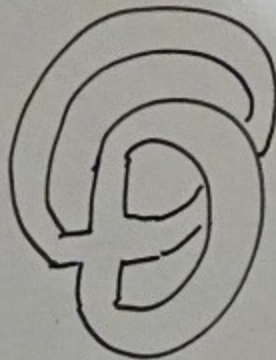
$\updownarrow + 1 \text{ hour} + 6 \frac{1}{2} \text{ hrs}$



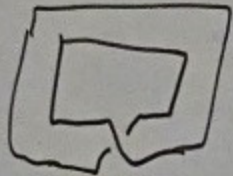
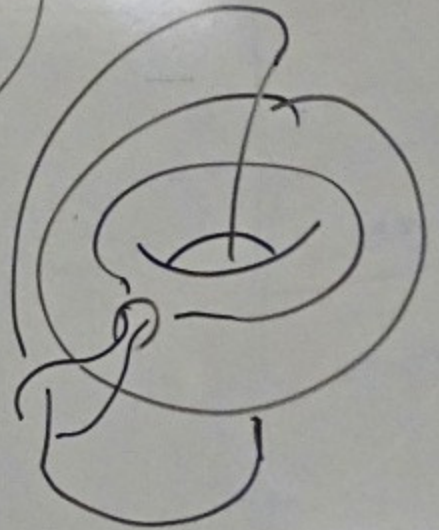
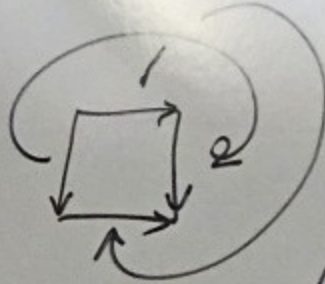
4
générateurs



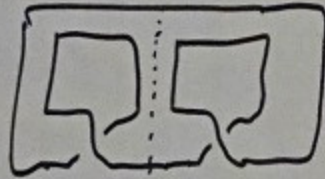
sphère
2 trous.



torus
1 trou.

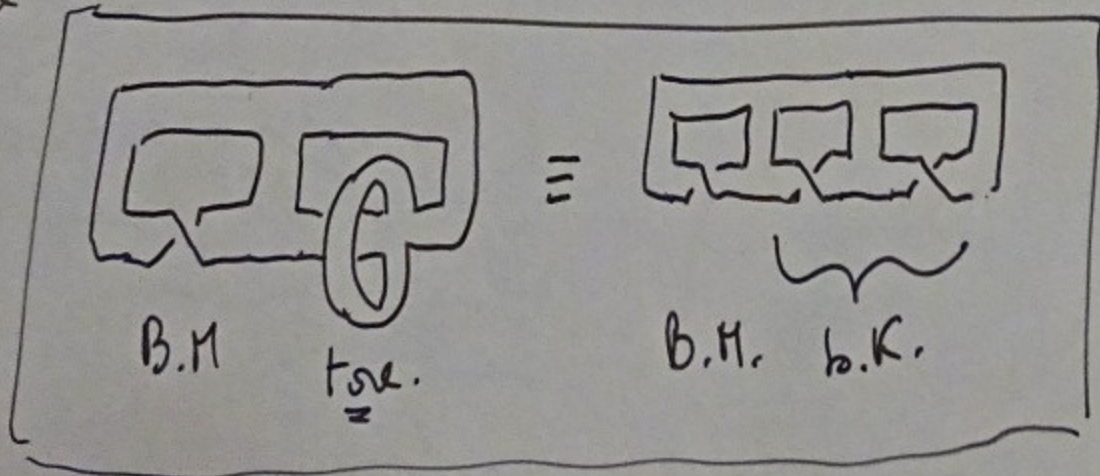


plan projectif
1 trou



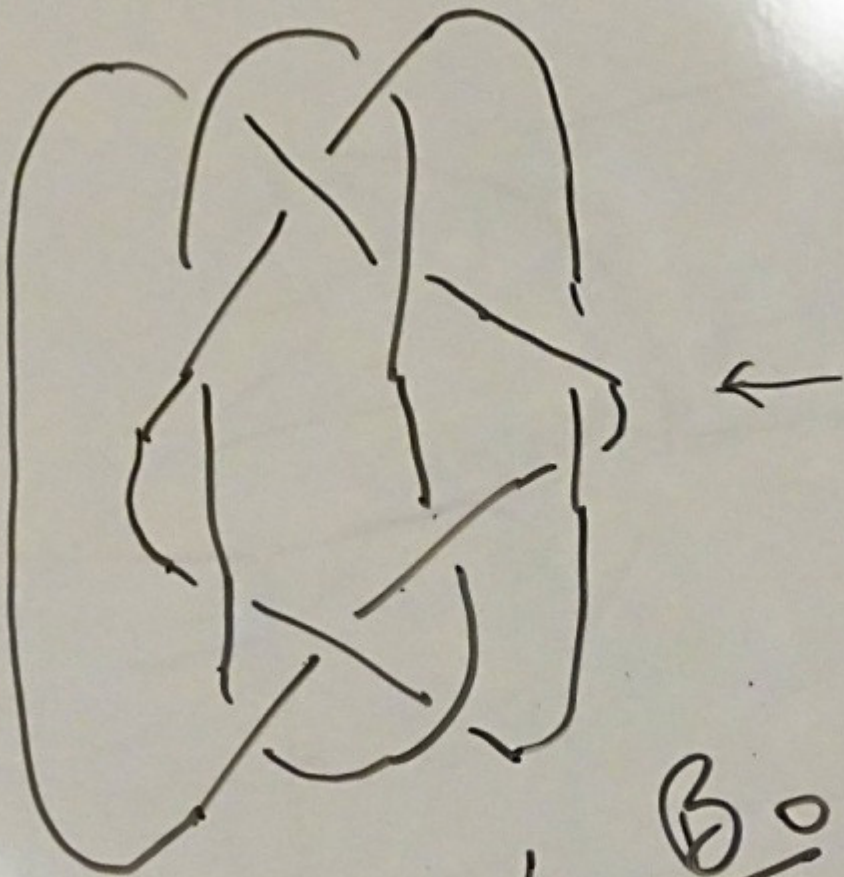
bouteille de
Klein
1 trou

Théorème

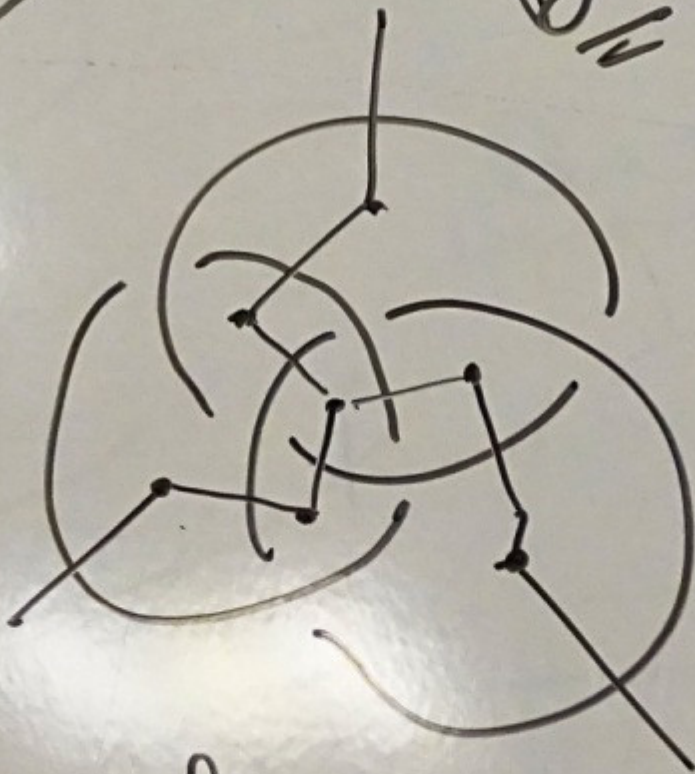


$$2k \times B.M. = \overset{2}{B.K.} + (k-1) \text{ torus}$$

$$2k+1 \times B.M. = \overset{2}{B.M.} + k \text{ torus}$$



⑤⁰/₁₁



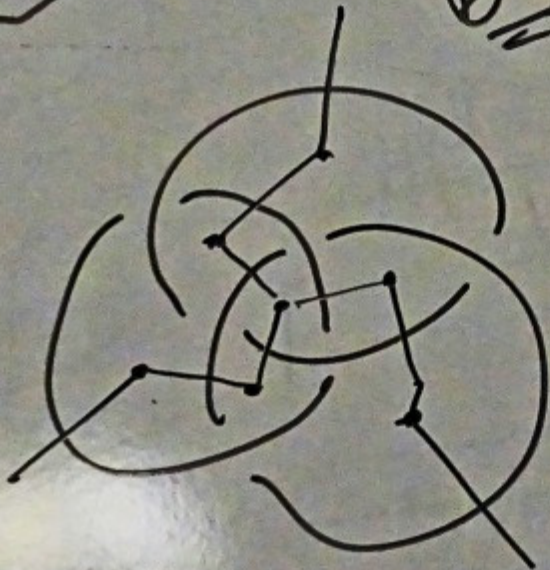
les 3 homogènes



generalité.
Z



6/10



les 3 homogènes