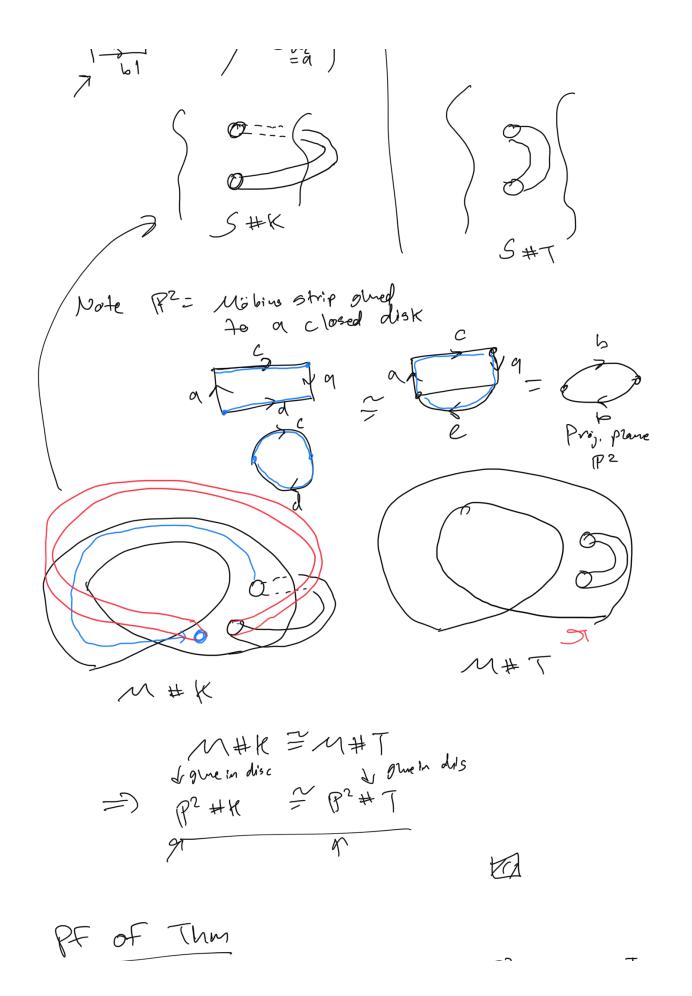
Proof of class. of surfaces, part 3



By prof 1,
$$M \cong \mathbb{P}^2 \# \dots \# \mathbb{P}^2 \# \mathbb{T} \# \dots \# \mathbb{P}^1$$

IF j21, reflace $\mathbb{P}^2 \# \mathbb{P}^2 \# \mathbb{P}^2$ (by Lemma)
Unis decreases num of \mathbb{T}^5 , increases num of \mathbb{P}^{25}
Repat \longrightarrow get a connect sum of \mathbb{P}^{25}
IF j=0, then already just a connect
sum of decreased prive of \mathbb{P}^{25}
 $\mathbb{F}^2 \oplus \mathbb{P}^2 \# \mathbb{P}^2 \# \mathbb{P}^2 \# \mathbb{P}^2$
 $= \mathbb{P}^2 \# \mathbb{P}^2 \# \mathbb{P}^2 \# \mathbb{P}^2 \# \mathbb{P}^2 \# \mathbb{P}^2$