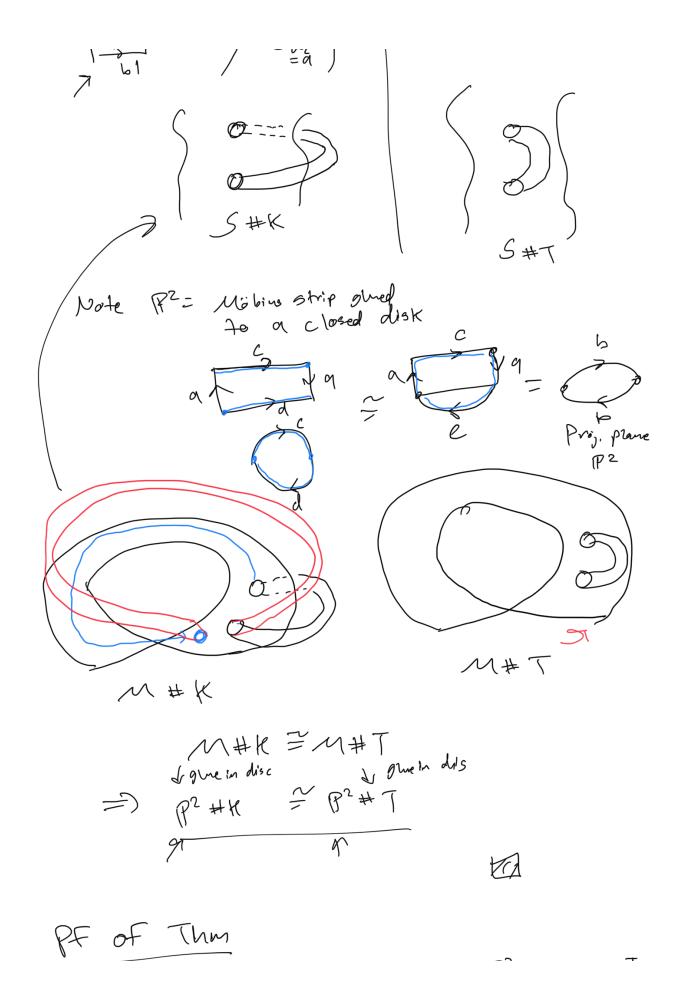
Proof of class. of surfaces, part 3



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  $\mathbb{P}^{25}$   
 $\mathbb{F}^2 \oplus \mathbb{P}^2 \# \mathbb{P}^2 \# \mathbb{P}^2 \# \mathbb{P}^2$   
 $= \mathbb{P}^2 \# \mathbb{P}^2 \# \mathbb{P}^2 \# \mathbb{P}^2 \# \mathbb{P}^2 \# \mathbb{P}^2$