



Quel 184

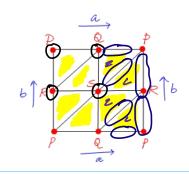
1st one is not a triengulation of a Tr as visually you can be that the point of does not have everyn dimensions

making it flat

as all edges are pent of at mor of triayles it is a manifold

X = 4 - 6 + 4 = 2 $points eages pare
also we know <math>X(\Pi^2) = 0$

This is enough to prove not humanpuc.



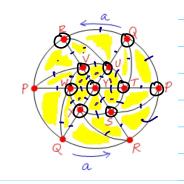
and.

$$\mathcal{X} = 10-27+18=1$$
 $\mathcal{X}(\Re^2) = 1$

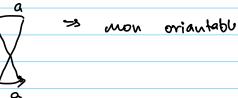
but this is not enough we need 2^{\times}

to these originality.

R+ orientability -> complete inversions



we ned to fid a nóbius strip which can be seen in the



-3 X=1 + ruon orientable =3 IFP2

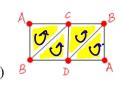
* Sawly check each edge & triangles.

1 = 4 - 6 + 3 = 1.

7 - 4 mon orientable - RP2

0437

mébins 8hip.



K = 4 - 7 + 3 = 0this is non-orientable. hence ill a. IK^2

S G G C S

 $\chi = 5-8+4=1.$ This is non orientable here Rp^2

Möbius Arib??