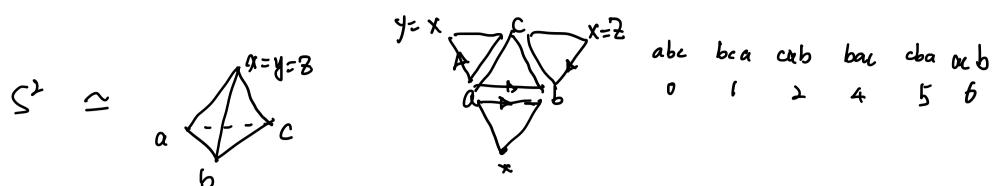
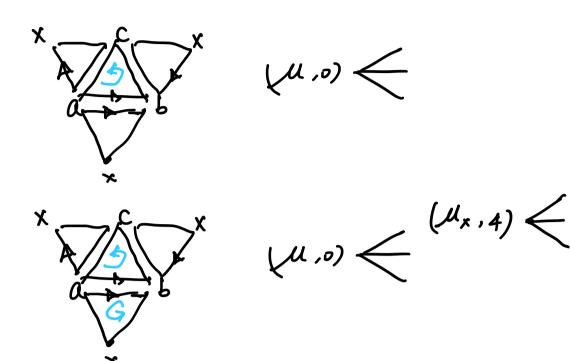
## Ch2 orientation examples

2020年10月13日 星期二

- 1). Since we apply SYM at each step, The orientation "induced" by previous orientation is actually consistent.
- ② At P1, we store the orientation and view 0=1=2, 4=5=6.
  At P3, ne just compare marked one and the orientation induced by previous one.



Red arrow 1 1 1 means comparison at P3.

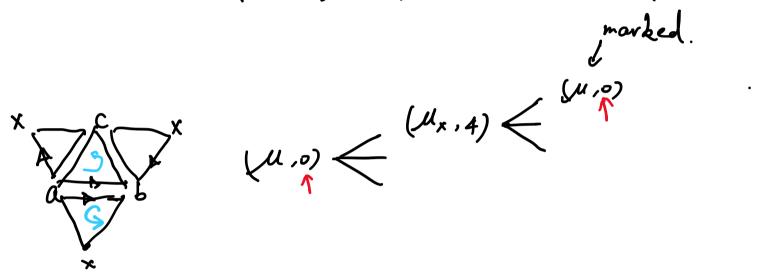


Now we consider bx by  $b_2$  in  $(M_{X}, 4)$ Here T = 0, 1, 2, 4, 5, 6

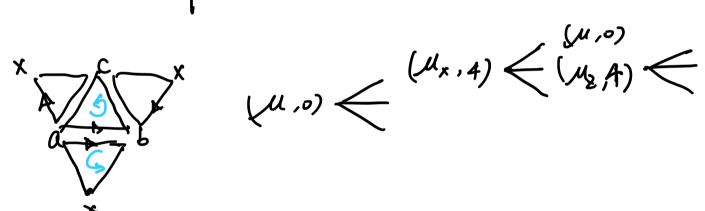
abx bxa xab bax xba axb

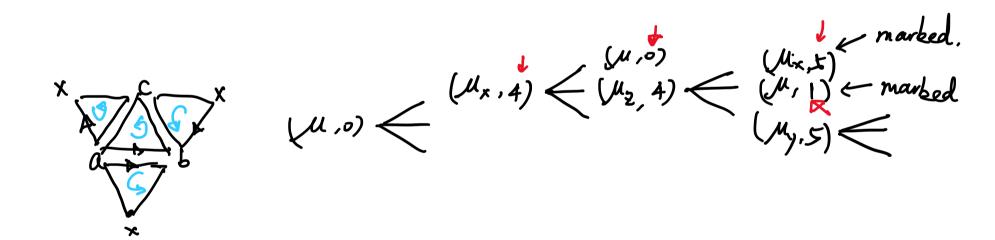
Hence FNEXT (SYM ( Mx,4)) = FNEXT ( Mx,0) = (M,0)

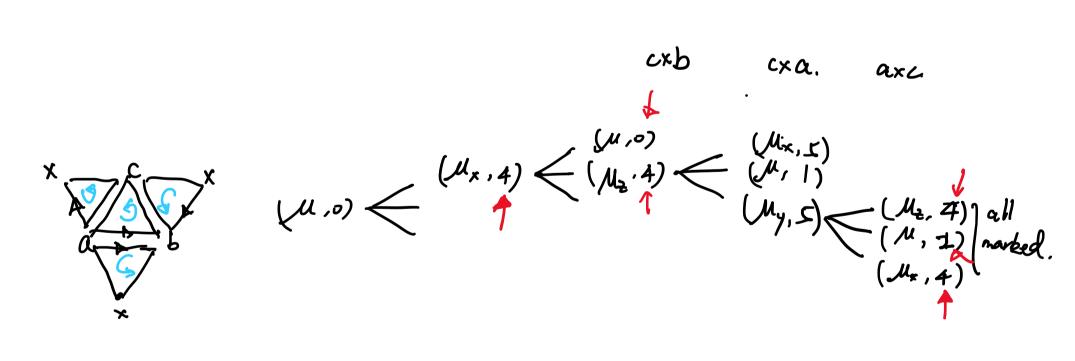
marked

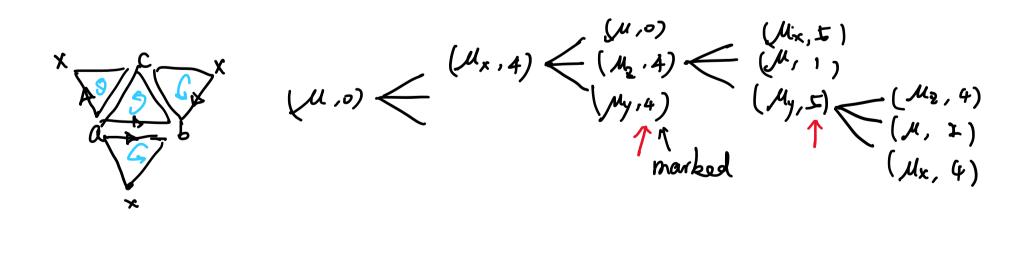


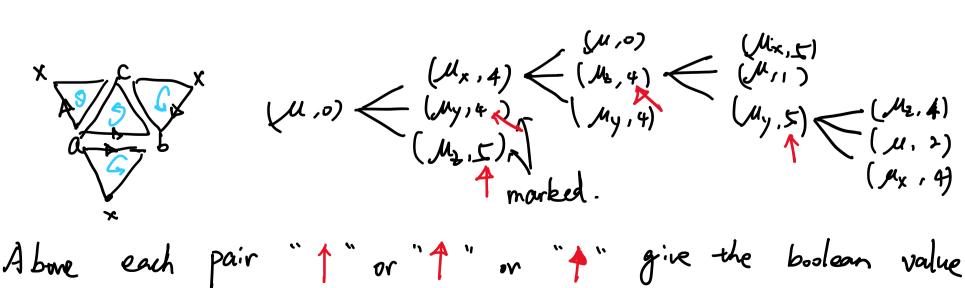
Following steps are similar as above.











"true". Hence the sphere is orientable. #

The readers can also compute the projective plane if they are interested. and  $a_1$   $A_1 = a_2$   $A_2 = a_3$