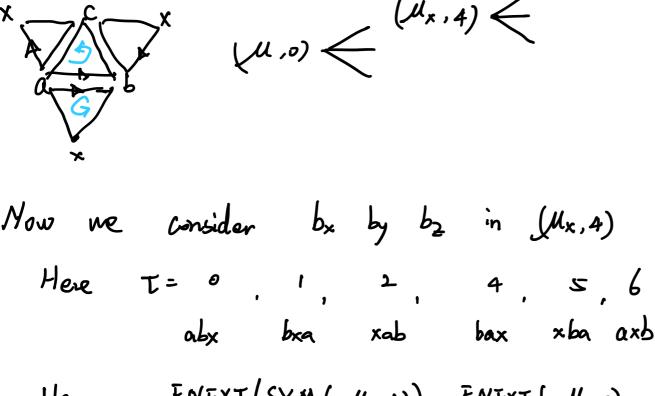
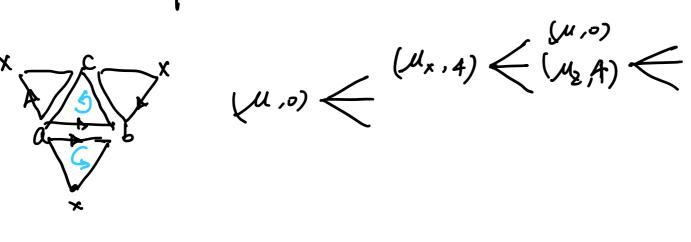
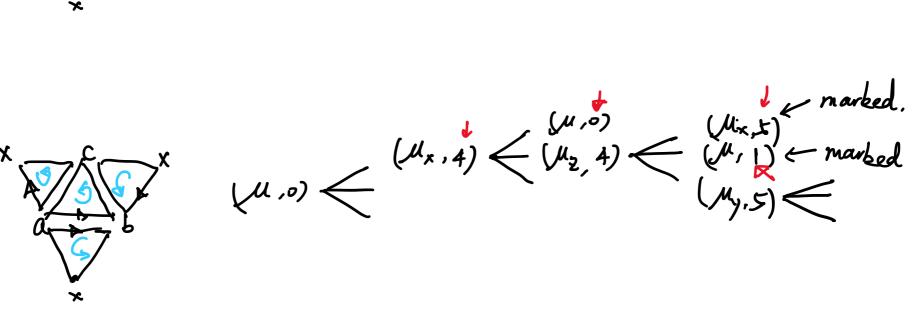
## Ch2 orientation examples 2020年10月13日 星期二 1). Since we apply SYM at each step, The orientation "induced" by previous orientation is actually consistent. 2) At P1, we store the orientation and view 0=1=2, 4=5=6. At P3, ne just compare marked one and the orientation induced by previous one. $S^2 \simeq a + \frac{1}{2} = \frac{1}{2}$ $a = \frac{1}{2} = \frac{1}{2} = \frac{1}{2}$ $a = \frac{1}{2} = \frac{1}{2} = \frac{1}{2}$ $a = \frac{1}{2} = \frac{1}{2$ Red arrow 1 1 1 means comparison at P3. $\sum_{7}^{x} (u, o) \leftarrow$ Start with (u,0) i.e. abc. First apply SYM get (11,4) i.e. bac. Then apply FNEXT, that is the triangle sharing the same edge box with bac. We get box, i.e. ux. Since (ux, 0) = abx, (ux,4) = bax. Thus we get Jux,4) $(\mathcal{U}_{x},4) \leftarrow (\mathcal{U}_{x},4) \leftarrow$ Now we consider bx by $b_2$ in $(M_X, 4)$

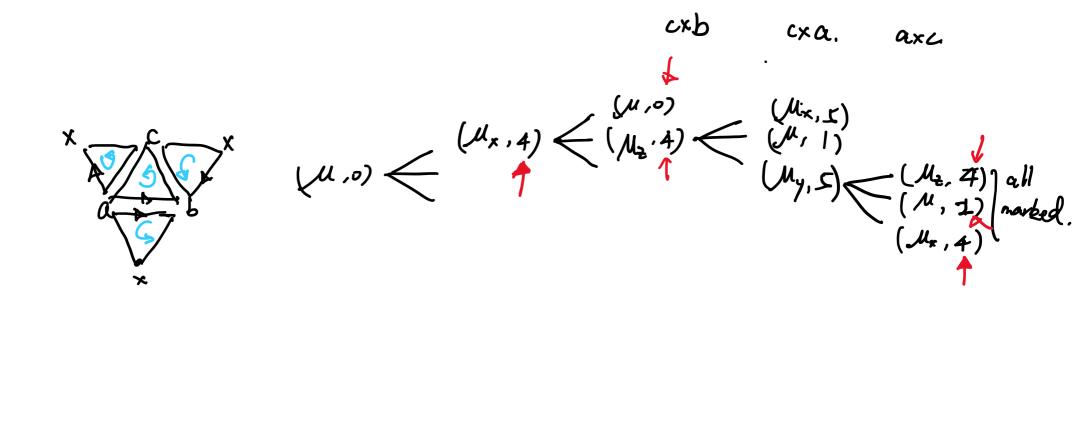


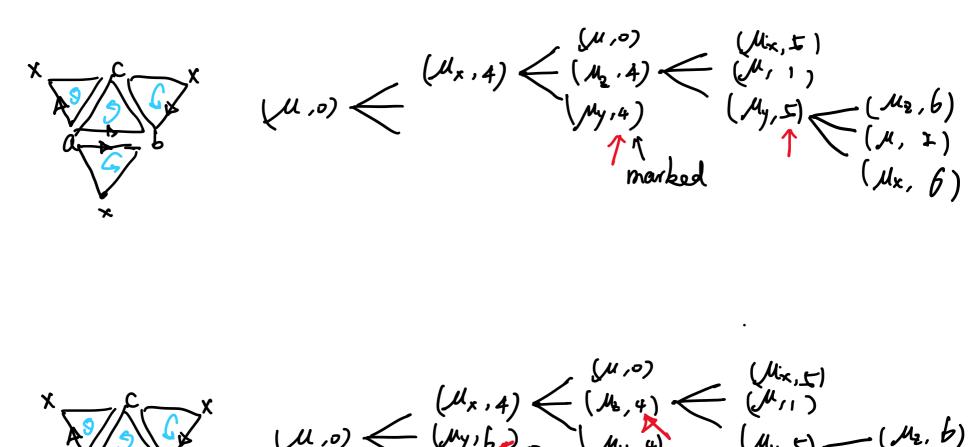
Hence FNEXT (SYM ( Mx,4)) = FNEXT ( Mx,0) = (M,0)  $(\mu,0)$   $(\mu,0)$   $(\mu,0)$   $(\mu,0)$ 



tollowing steps are similar as above.







 $(M_x,4) \leftarrow (M_x,4) \leftarrow (M_x,\pm)$   $(M_x,4) \leftarrow (M_y,4) \leftarrow (M_y,5)$   $(M_y,5) \leftarrow (M_y,5)$   $(M_x,5) \leftarrow (M_y,5)$   $(M_x,5) \leftarrow (M_y,5)$   $(M_x,5) \leftarrow (M_x,5)$   $(M_x$ Above each pair "1" or "1" or "1" give the boolean value "true". Heme the sphere is orientable.

The readers can also compute the projective plane if they are interested. a