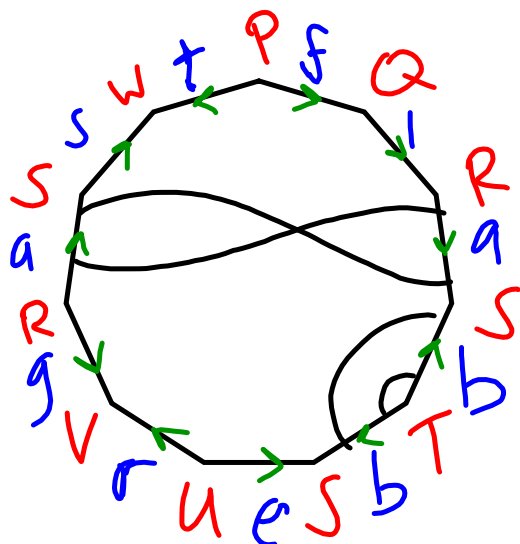


flabbergast



$$\chi(s) = 2 - g - b$$

$$0 = 2 - g - 1$$

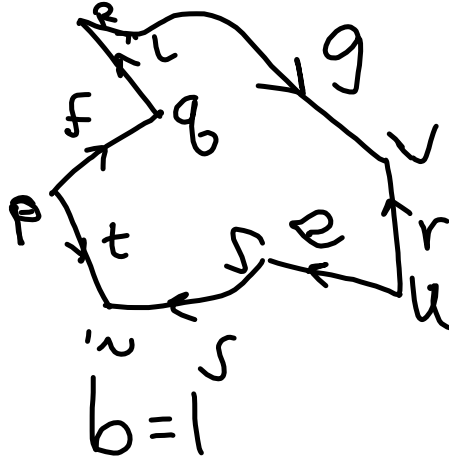
$$g = 1$$

$$V: 8 \quad E: 9 \quad F: 1$$

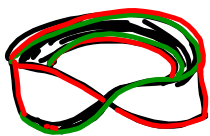
$$\chi(s) = 8 - 9 + 1$$

$$= 0$$

non-orientable



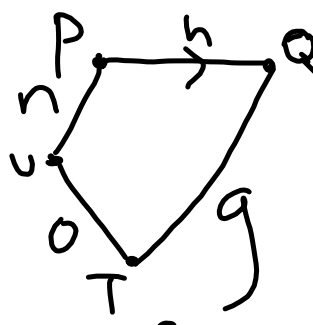
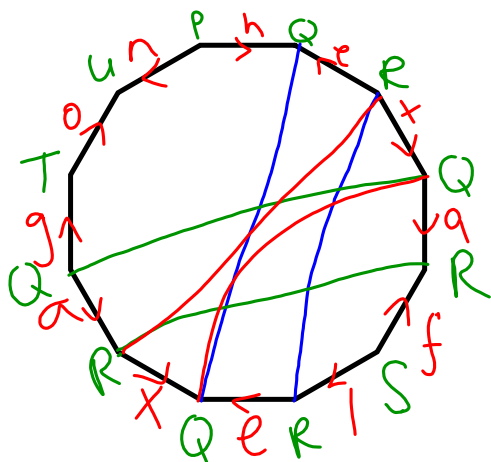
*** a non-orientable surface of genus 1 w/
1 boundary components.



Möbius band

hex a flex a'igo n'

V: 6
E: 9
F: 1
x(8)



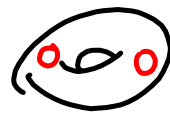
$$6 - 9 + 1$$

$$-2$$

$$-2 = 2 - 2g - 2R + F - S$$

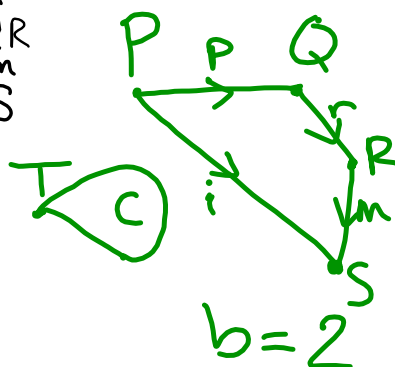
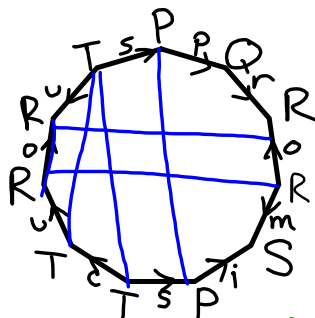
$$1 = g$$

orientable surface of genus 1
w/ 2 holes



promiscuous

$$\begin{aligned}
 \chi(s) &= v - e + f \\
 \chi(s) &= 5 - 8 + 1 \\
 \chi(s) &= -2
 \end{aligned}$$



$$\begin{aligned}
 \chi(s) &= 2 - 2g - b \\
 -2 &= 2 - 2g - 2 \\
 2g &= 2 \\
 g &= 1
 \end{aligned}$$

orientable surface with 1 handle, 2 holes

