

$$a^3 = x y x \boxed{y x y} = b^2$$

$$\quad \quad \quad \parallel$$

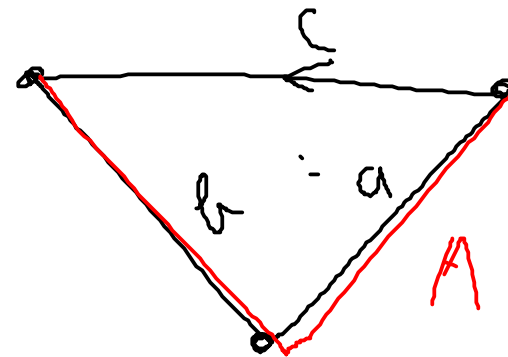
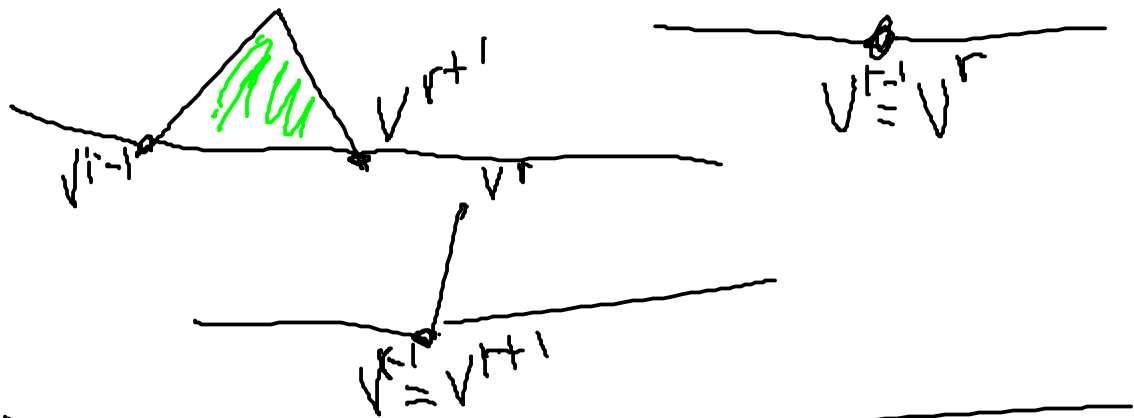
$$\quad \quad \quad x y x$$

$$a^{-1} b = \cancel{y^{-1}} \cancel{x^{-1}} \cancel{x} \cancel{y} x = x$$

$$y x y = b^{-1} a^2 a^{-1} \cancel{b} \cancel{b^{-1}} a^2 =$$

$$= b^{-1} a^3 = \cancel{y x y} \cancel{x} \cancel{y x y} \cancel{x} \cancel{y}$$

$$= b^{-1} b^2 = b = x y x$$



C simpl. simpl. puntati

E

Gruppi

Sp. top. punt.

π_1

$$G = \langle a, b, c \mid a, b \rangle \cong \langle c \rangle$$

$$G = \langle \alpha, \beta \mid \alpha \beta \alpha^{-1} \beta^{-1} \rangle$$