SEIFERT SURFACE

Note T 3/1/2010

$= M$

$$Y_i = S^3 \setminus M$$

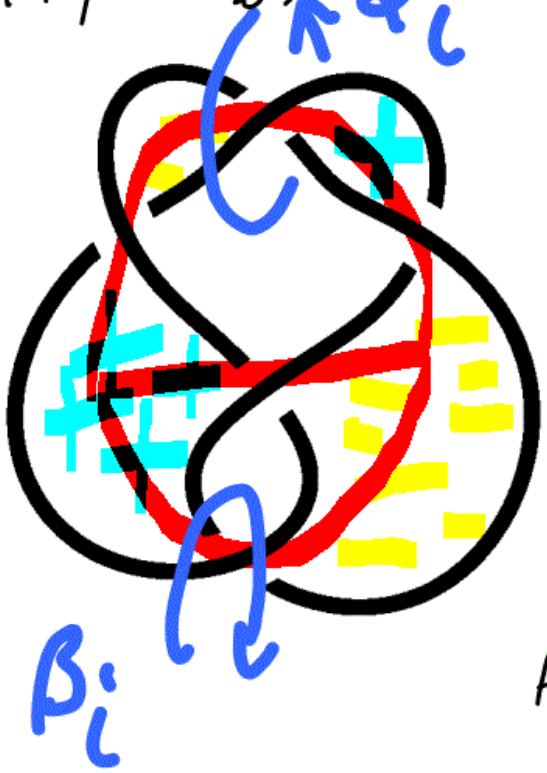
$$N_i = M^\circ \times (-1,1) = N_i^- \cup M \cup N_i^+$$

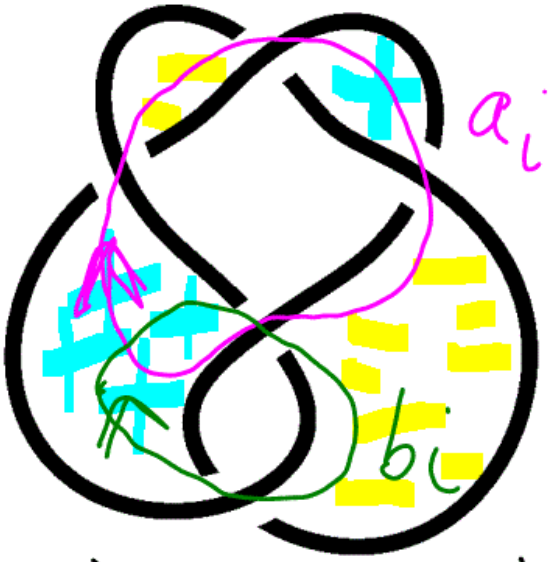
$N_i^- = M^\circ \times (-1,0)$ $\qquad$ $N_i^+ = M^\circ \times (0,1)$

$$\tilde{X} = \widetilde{S^3 \setminus K} = \cdots Y_{-1} \underset{N_0^-}{\cup} N_0 \underset{N_0^+}{\cup} Y_0 \underset{N_1^-}{\cup} Y_1 \cup \cdots$$

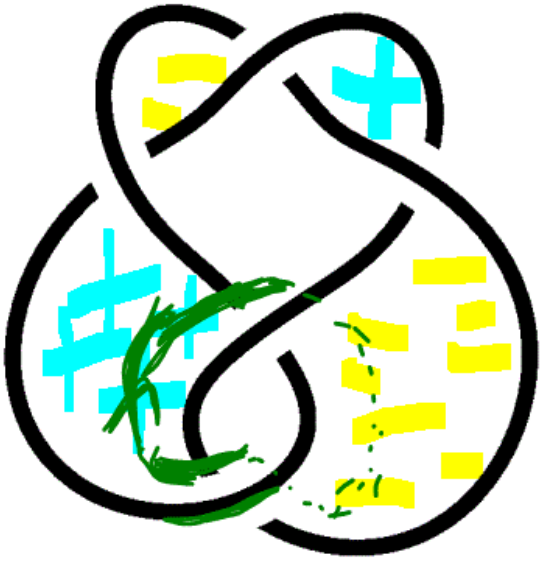
Y_{-1} $\qquad$ Y_0 $\qquad$ Y_1

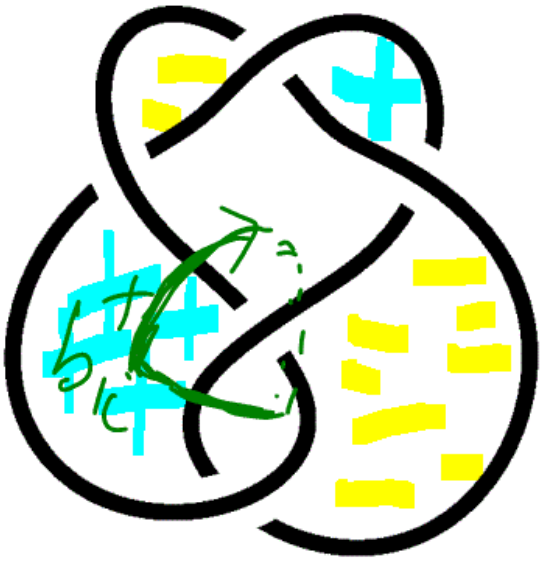
$H_1(\gamma_i) = (\alpha_i, \beta_i)$



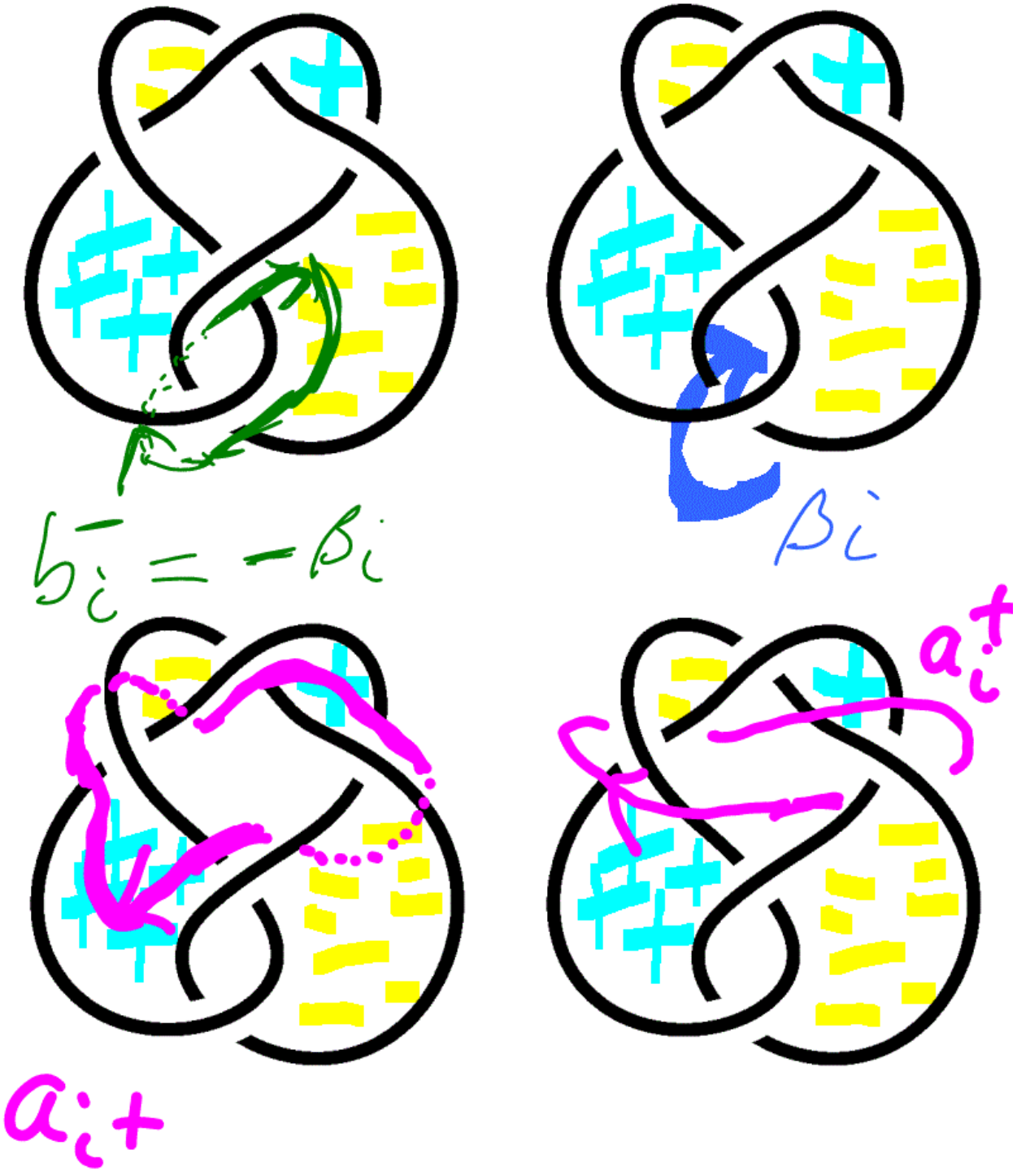


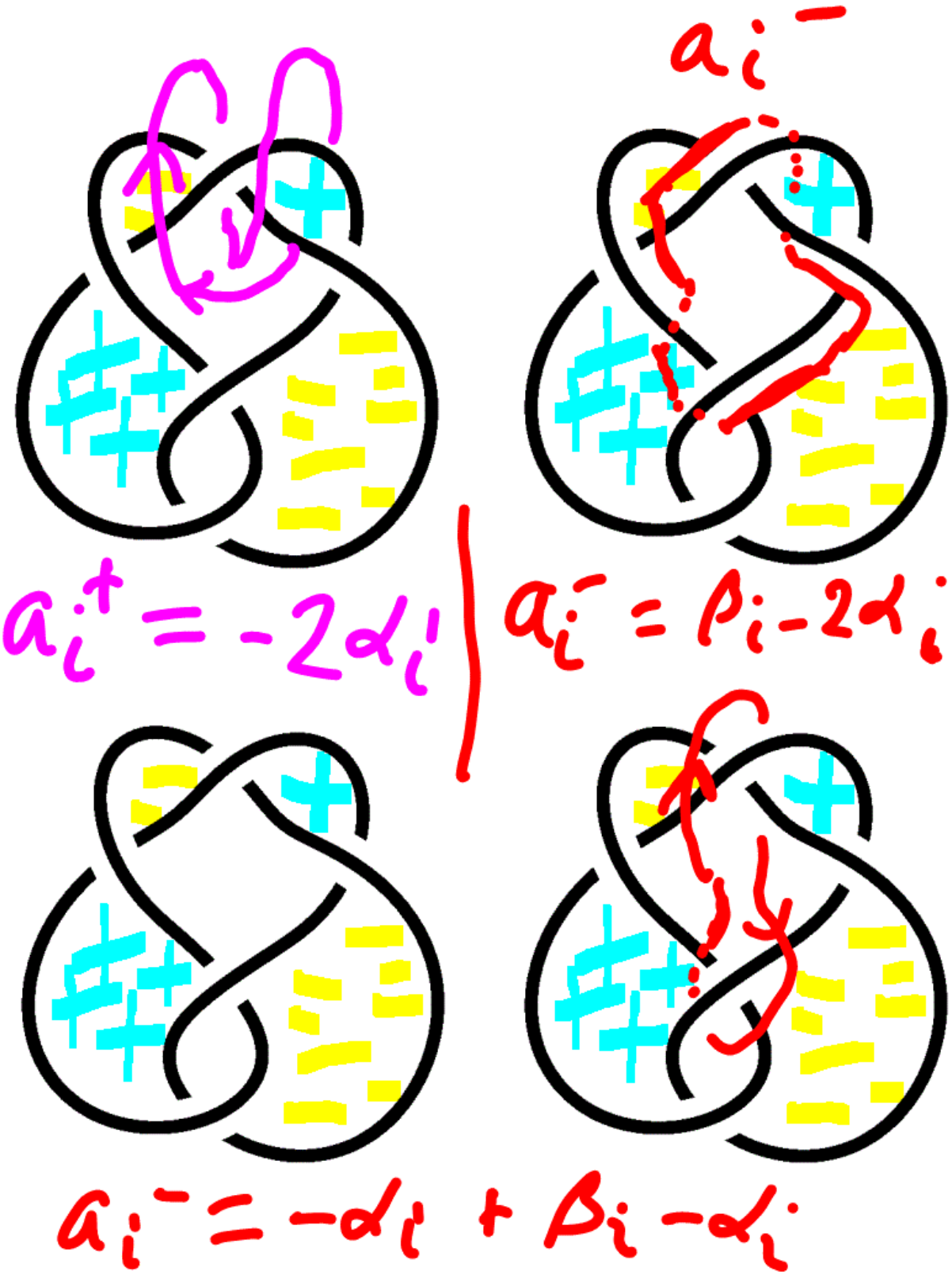
$H_1(N_1) = (a_1, b_1)$





$b_i^+ = \alpha_i - b_i$


$b_i = -\beta_i$
β_i
a_i
a_i


$a_i^+ = -2\alpha_i$
$a_i^- = \beta_i - 2\alpha_i$
$a_i^- = -\alpha_i + \beta_i - \alpha_i$