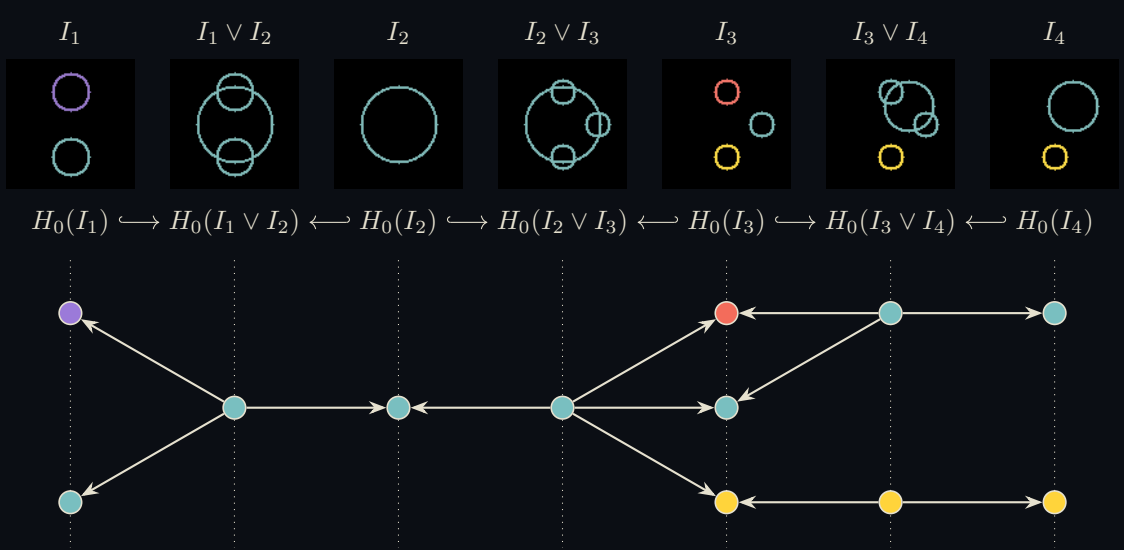

I_1
$I_1 \vee I_2$
I_2
$I_2 \vee I_3$
I_3
$I_3 \vee I_4$
I_4
$H_0(I_1) \hookrightarrow H_0(I_1 \vee I_2) \hookleftarrow H_0(I_2) \hookrightarrow H_0(I_2 \vee I_3) \hookleftarrow H_0(I_3) \hookrightarrow H_0(I_3 \vee I_4) \hookleftarrow H_0(I_4)$

Formigram