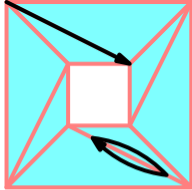
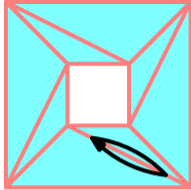
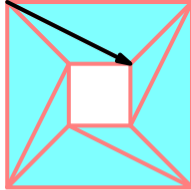
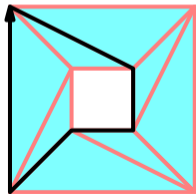
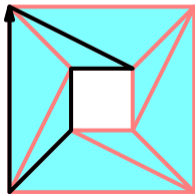
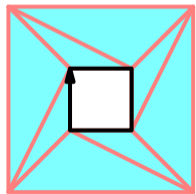

 $C_1(X^1)$ 

 $Z_1(X^1, X^0)$ 

 $B_1(X^1, X^0)$ 

 $\text{Cells}_1(X)$ 

 $\ker(\text{Cells}_1(X) \rightarrow \text{Cells}_0(X))$ 

 $\text{im}(\text{Cells}_2(X) \rightarrow \text{Cells}_1(X))$ 

 $H_1(\text{Cells}_\bullet(X))$