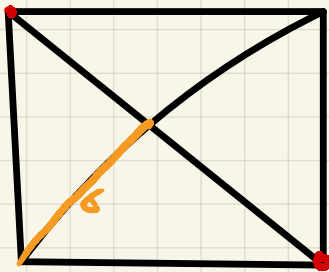


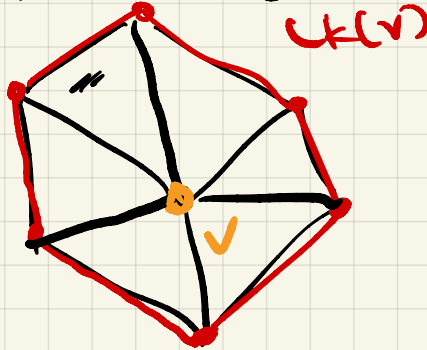
Abstract Simpl. Cmplx

χ - abstract s.c

$$hK_x(\sigma) = \{ \alpha \mid \begin{array}{l} \alpha \cup \sigma \text{ simplex} \\ \alpha \cap \sigma = \emptyset \\ \alpha \neq \emptyset \end{array} \}$$



$L_k(\sigma)$



* if locally ev, link is 1,
codim of σ

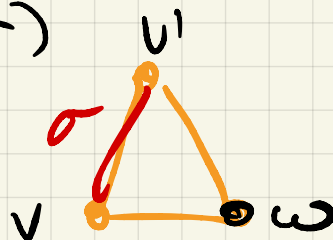
Ex 7

$$(a) \quad L_{L_{K_X}(\sigma)}^K(\gamma) = L_{K_X}(\sigma \circ \gamma)$$

[illegible]

... is to ~~break~~ break down what ~~it~~ it

$$(b) \quad L_{K_X}(\sigma) = \bigcap_{v \in T} L_{K_v}(\sigma)$$



$$L_k(\sigma) = \emptyset$$

$$L_K(v) \cap L_K(v') = \omega$$

Def A ^{abs.} simpl. complex is a flag complex if

- Given S a collection on vertices st. every pair $u, u' \in S$ span an edge $\Rightarrow S$ is a simplex.

Ex: true if x is flag complex.

order complexes are flag complexes.

(c) $Lk_x(\tau) = \text{Star}_x(\tau) \cap \partial \Delta_x(\tau)$

False.

