

CELL
|
SITE
(P)

HAS
EDGE LIST
[E]

VERTEX LIST
[P]
SUPERPLUOUS

EDGE HAS ...
/ END POINTS
(P)

BELONGS
TO

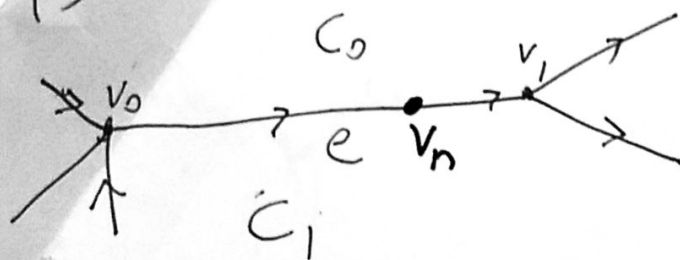
[C] C
NOT
SUPERPLUOUS

VERTEX
BELONGS
TO

(E) F
[E] at least
3 edges

[C] at least
3 cells
SUPERPLUOUS

TO DIVIDE AN EDGE:



1. Adjust endpoints
of old edge
 $v_0 v_1 \rightarrow v_0 v_n$

~~2. new edge~~

2. Add new edge e_n
endpoints $v_n v_1$
3. Insert new edge e_n
into two cells
after e

4. Adjust edge lists
of 3 vertices:

$v_n: e, e_n$

$v_0: \text{no change}$

$v_1: \text{remove } e, \text{ add } e_n$

delete a ~~Vertex~~ Vertex