

CW complexes

Extrinsic vs. Intrinsic Properties

- From video: If take Möbius strip in \mathbb{R}^3 ,
 → cut along center line, you get a strip
 Extrinsic w/ two twists.

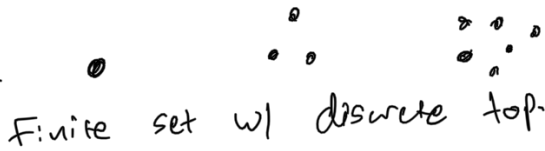


→ = reflect → cylinder
 Intrinsic 1

Examples of CW complexes (Finite)

(Note: different from notion of cell complex in tense)

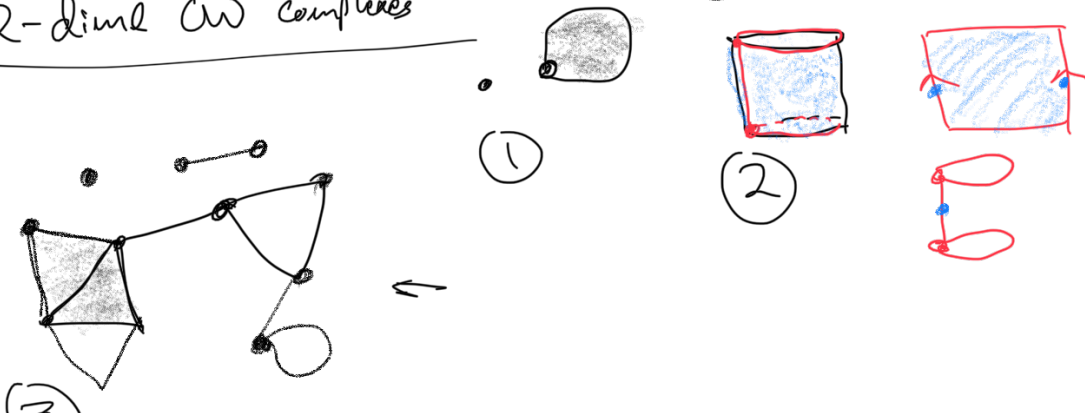
dimensional CW
0-diml complexes:



1-diml CW complexes:



2-diml CW complexes



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