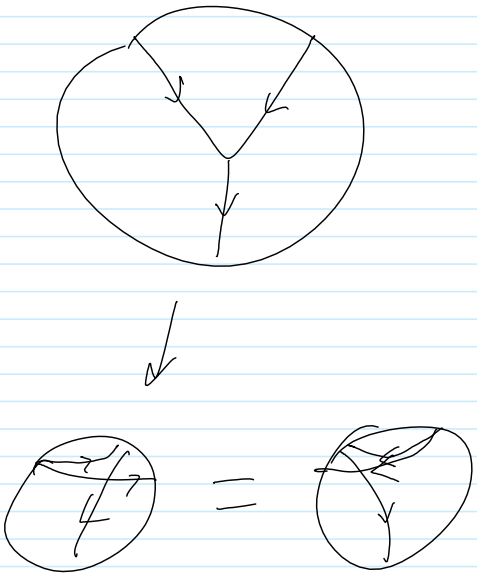
Scratch

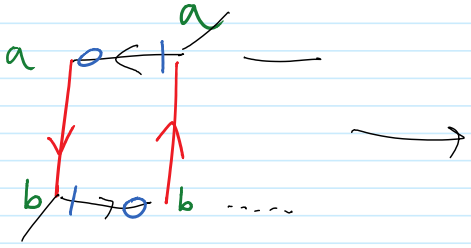
February-02-14 12:28 PM

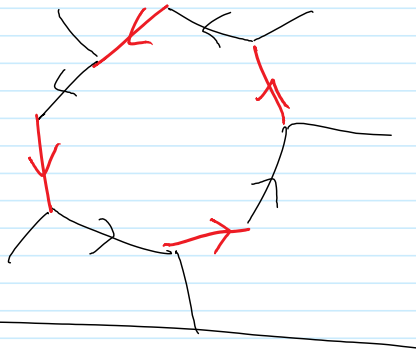


Q what is $\mathcal{D}^W/STU_2, TC$

[No STU_1 !]

Why are people obsessed with categories??





Alexander duality: In S^n,

$$H^q(X) \cong H_{n-1-q}(X^c)$$

The intersection of dim p & dim q in dim n is of dim $n-(n-p)-(n-q) = p+q-n$

$q \longrightarrow n-1-q$

$p \longrightarrow n-1-p$

$\downarrow$

$2n-2-p-q-n = n-2-p-q$

$p+q \longrightarrow n-1-p-q$

$\Rightarrow$ will actually work out if $\dim X^c = n-1$