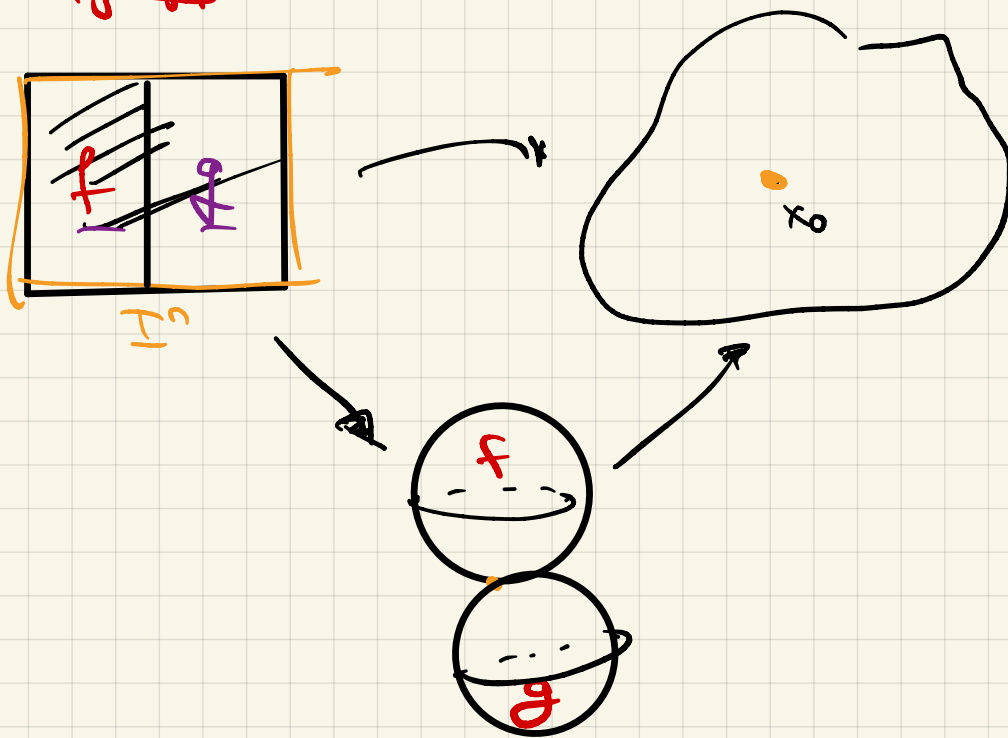
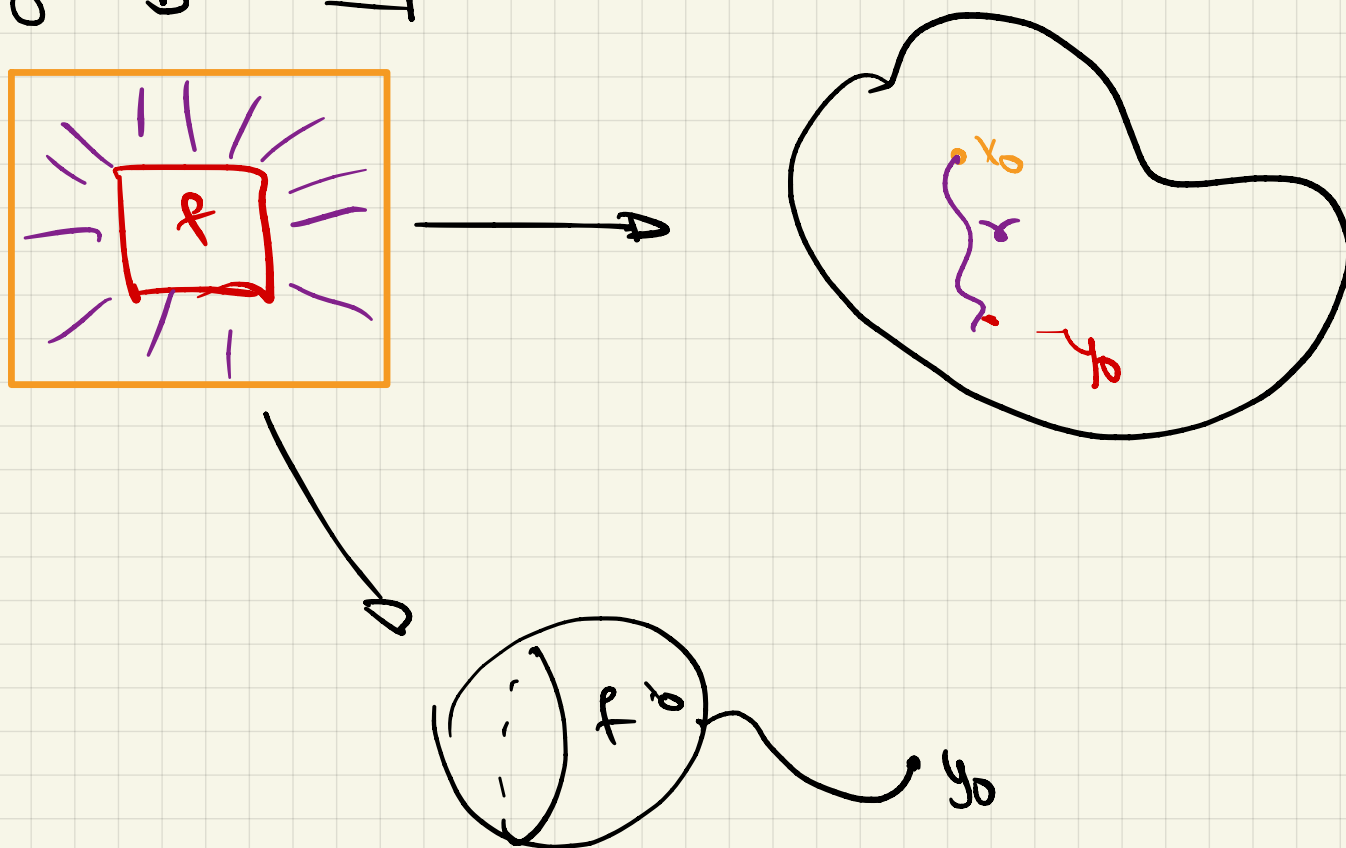


Higher Weyl groups

map



Change of base pt.



(change of base pt non canonical iso $\pi_1(x, x_0) \cong \pi_1(x, y_0)$)

NB / $x_0 = y_0$ shows, $\pi_1(x, x_0) \hookrightarrow \text{Aut}(\pi_1(x, x_0))$
acts on

Note one exercise shows,
covering map induce \cong on π_n for $\underline{n \geq 2}$!
(injective $n=1$)

So, we know the higher htpy
grps of space with contractible cover!

Contractible \Rightarrow all htpy grps trivial! ,