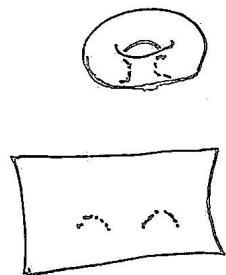


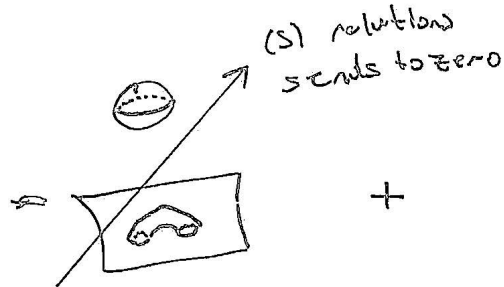
Since  $B \neq \emptyset$ , there is some surface locally a sheet

⊛  
 $\nearrow$  further  
 justify?

Then:

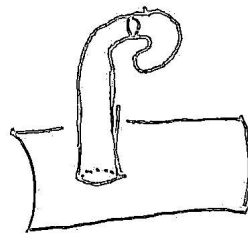


$u_{Ta}$



+

$2 \cdot$



$2 \cdot$



By Isotopy

This suffices to show that  $\odot$  sends any cobordism which has a local sheet to twice that morphism, since any surface/cobordism in  $\text{Cob}_\ell(B)$  for  $B \neq \emptyset$  has a sheet  $\odot = 2\odot$  in  $\text{Cob}_\ell(B)$ .  $\square$