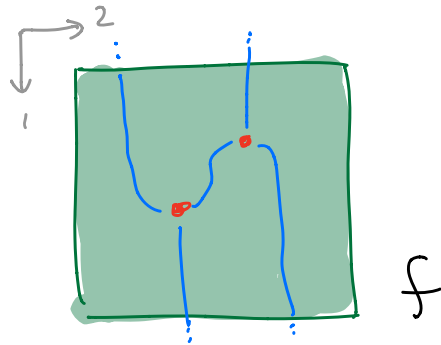① translation to pasting diagram.
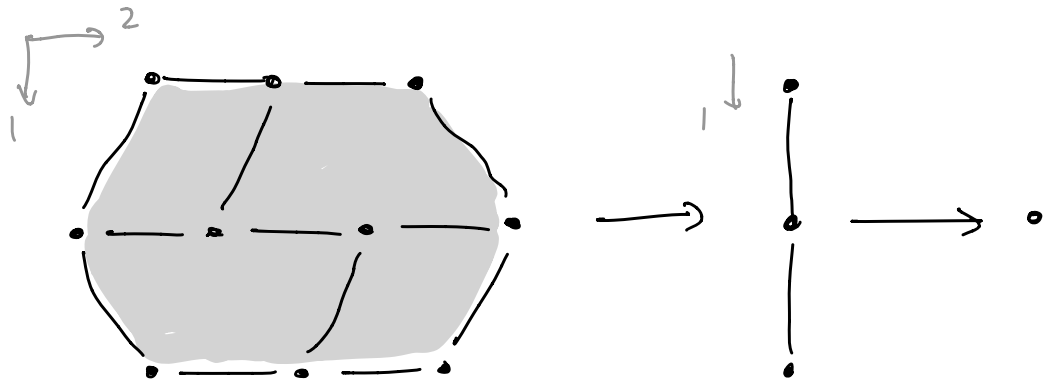
Step 1 : consider this manifold diagram
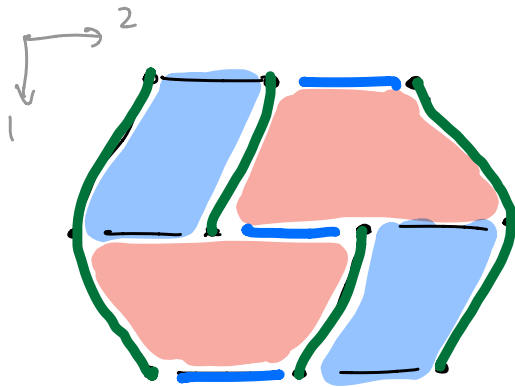

f

Step 2 : find mesh

M
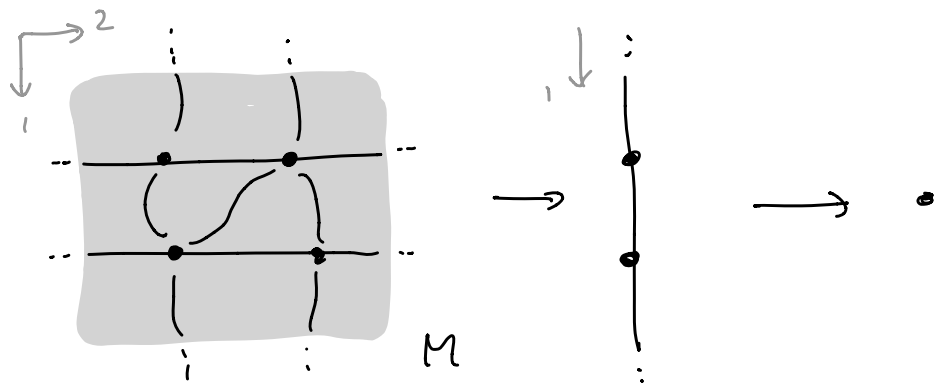
step 3 : dualize $\left(\| \, \mathcal{E}_0(M)^{op} \, \| \right)$
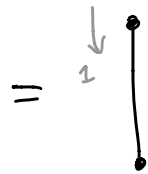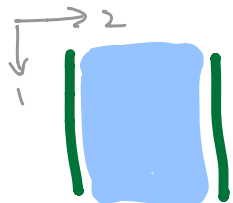
Step 4 : restratify

this has
a nice formal
description
but we keep
things intuitive

Step 5 : quotient products

note on quotient order:
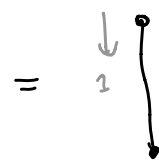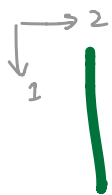a universal (maximal) quotient
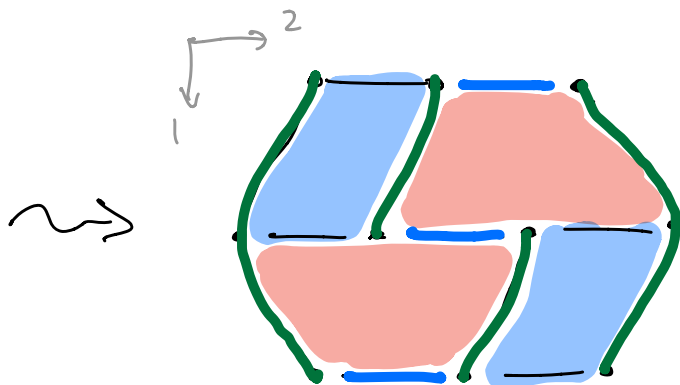always exists!

available Products :

quotient

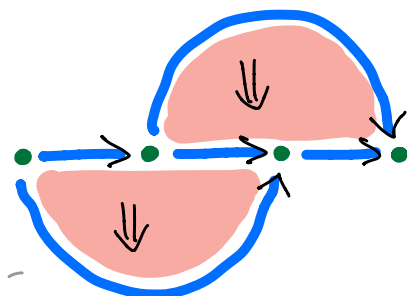quotient

quotient

cells are directed!

2 passing to pasting diagrams forgets information!

A — cube with coordinate axes 3, 2, 1 and blue crossing strands

dualize + quotient →

the ~~same~~ pasting diagram

≠

B — cube with coordinate axes 3, 2, 1 and blue crossing strands

dualize + quotient ↗

details

Step 2 — mesh

Step 3 — 3-cell, 3-cell, glue — dual

Step 4 — glue — stratification

Step 5 — glue, quotient these first → glue → glue → glue

quotient