## Lost time

Limits Colimits · Product · Coprod · Coprod · Equalizer · Pull back · Push out · General def · General def. Cond Epi morphisms Exa. Product of sets.

. In posets · Kernels 

thm ell limits (=> TT + equaliters
ell estimits (=> ]] + coequaliters

Lecture 3: Adjunctions

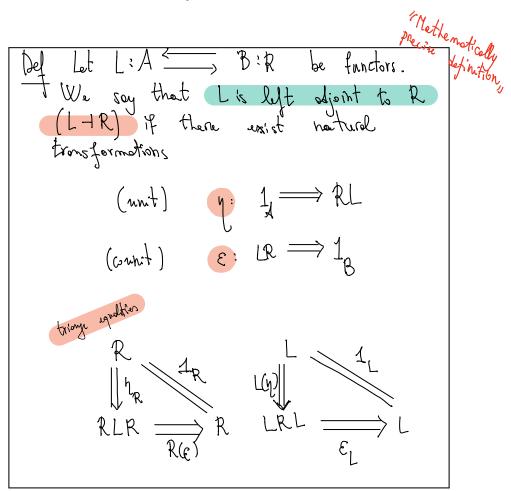
Two opproaches to dynamisms

Empirical Historical Concepted in retrospect

Troe constructions in universel Golden Connections

Entry (Free promps) Grp (FCX), G) = Set (X, UG)

Fecond story (Fine promps) Grp (FCX), G) = Set (X, UG)



$$\begin{array}{cccc}
& & & \\
& & \\
& \downarrow \\$$

the bijection above is notural in of and B. Other examples · Veut Set · Grp Set · Ab Set · Ab Crp
· Top Ex Pet
· continion I ned contegory · Clarure operators.
· Pointed ruts · Rancidal structure on Ab -

Non exouple Fet

Rem A granctions compose