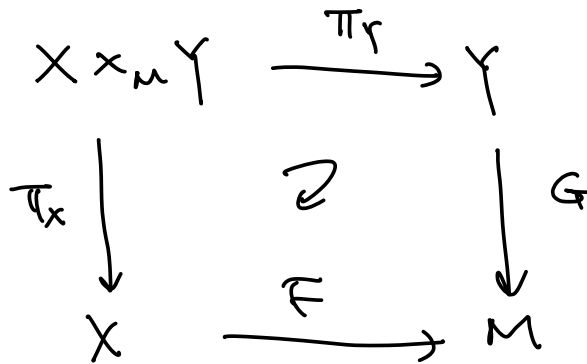


Usually fiber product is denoted by $X \times_M Y$. It satisfies the following diagram:
 (sometimes called pullback)



Def Fiber product can be defined in a rather general setting (cf. cat def).

Def $X \times_M Y$ satisfies the following "universal property"

