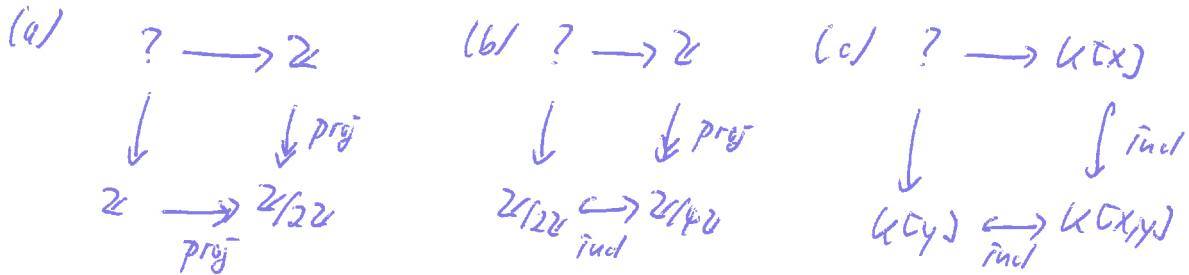
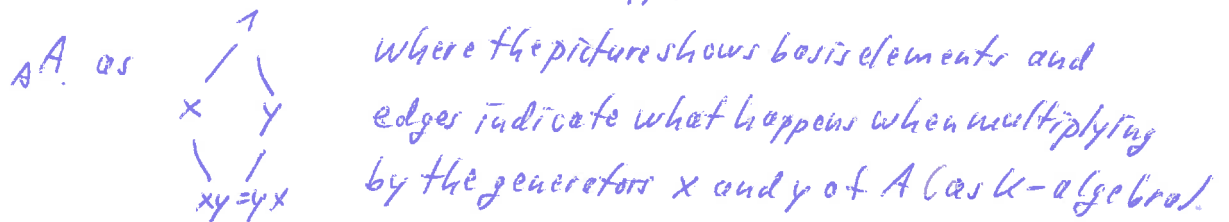


Exercises on pullbacks and pushouts

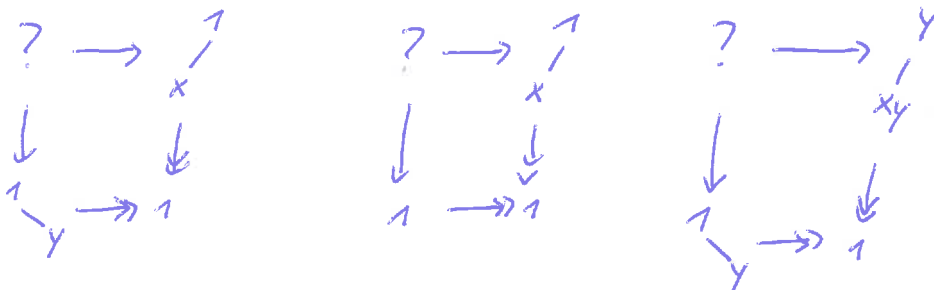
(1) Determine pullbacks of rings:



(2) Let A be the K -algebra $K[x,y]/\langle x^2, y^2 \rangle$. We visualise



(a) Determine pullbacks of modules:



(b) Determine pushouts of modules:

