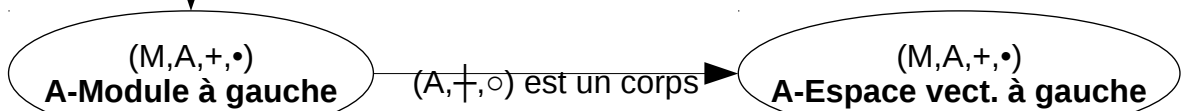
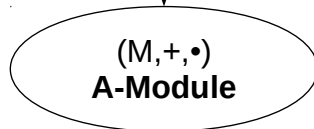


1 LCI + 1 LCE

$LCE(\bullet) : A \times M \rightarrow M$   
 $(a,b) \in A^2$  et  $(m,n) \in M^2$   
 $a \bullet (m+n) = (a \bullet m) + (a \bullet n)$   
 $(a+b) \bullet m = (a \bullet m) + (b \bullet m)$   
 $(a \circ b) \bullet m = a \bullet (b \bullet m)$   
 $1 \bullet m = m$



Commut.(A,  $\circ$ )



$LCI(x) M$   
 $a \in A$  et  $(m,n,p) \in M^3$   
 $(m+n)xp = (mxp) + (nxp)$   
 $mx(n+p) = (mxn) + (npx)$   
 $(a \bullet m)xn = a \bullet (mxn) = m(a \bullet n)$

$LCI(x) M$   
 $a \in A$  et  $(m,n,p) \in M^3$   
 $(m+n)xp = (mxp) + (nxp)$   
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2 LCI + 1 LCE

