

≡ SUMMARY ≡

NOTION OF SAMENESS FOR CATEGORIES

$\mathcal{C} = \mathcal{D}$
EQUALITY
OF CATEGORIES

WEAKEN \rightarrow $\mathcal{C} \cong \mathcal{D}$
ISOMORPHISM
OF CATEGORIES

WEAKEN \rightarrow $\mathcal{C} \simeq \mathcal{D}$
EQUIVALENCE
OF CATEGORIES

NOTION OF SAMENESS FOR \mathbb{K} -ALGEBRAS

$A = B$
EQUALITY
OF ALGEBRAS

WEAKEN \rightarrow $A \cong B$
ISOMORPHISM
OF ALGEBRAS

WEAKEN \rightarrow $A \overset{\text{MORITA}}{\sim} B$
"EQUIVALENCE"
OF ALGEBRAS