

- A FIN. DIM. ALGEBRA,  $X, Y \in \text{ind } A$

$$\leadsto \text{Rad}(X, Y) = \{ \varphi: X \rightarrow Y \mid \nexists \psi \text{ NON-ISO } \psi: Y \rightarrow X \}$$

↗  $X \not\cong Y$ :  $\text{Rad}(X, Y) = \text{Hom}(X, Y)$ .

↘  $X \cong Y$ :  $\text{Rad}(X, Y) = \{ \varphi: X \rightarrow Y \mid \varphi \text{ NON-ISO} \}$ .

- UPSHOT:  $X, Y \in \text{ind } A$ . THEN  $\text{Rad}(X, Y) = \{ \varphi: X \rightarrow Y \text{ NON-ISO} \}$ .