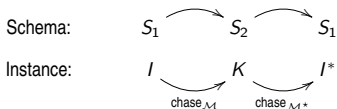


CHASE&BACKCHASE



- CHASE: Includes dependencies \star in an object \bigcirc , i.e. $\text{chase}_{\star}(\bigcirc) = \star$

\star : evaluation query Q (as s-t tgd) \bigcirc : source database instance I	$\} \star$: result of the query Q
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s-t tgd : \Leftrightarrow dependency between source database S_1 and target S_2 (result of Q)

- CHASE&BACKCHASE:
 - CHASE step: incorporates the dependencies into an object \bigcirc
 - BACKCHASE step = CHASE step in the inverse direction