



INGREDIENT (NAME, ORIGIN, IS_SPIKY)

RECIPE (TITLE, DESCRIPTION, DIFFICULTY)

USED_IN (INGREDIENT_NAME, INGREDIENT_ORIGIN, RECIPE)

FK: {USED_IN} → {RECIPE}

{USED_IN.INGREDIENT_NAME, USED_IN.INGREDIENT_ORIGIN} → {INGREDIENT.NAME, INGREDIENT.ORIGIN}

Q1: SELECT DISTINCT RECIPE

FROM USED_IN AS TAB1

WHERE NOT EXISTS (SELECT *

FROM USED_IN AS TAB2

JOIN INGREDIENT ON (.....)

WHERE TAB1.RECIPE = TAB2.RECIPE
AND INGREDIENT.IS_SPIKY)

JUST
BASED ON
THE FOREIGN
KEY

WHERE TAB1.RECIPE = TAB2.RECIPE
AND INGREDIENT.IS_SPICY)

22: SELECT DISTINCT TAB1.RECIPE
FROM USED_IN AS TAB1

JOIN USED_IN AS TAB2 ON TAB1.RECIPE = TAB2.RECIPE
AND ((TAB1.INGREDIENT_NAME
!= TAB2.INGREDIENT_NAME)
OR (TAB1.INGREDIENT_ORIGIN
!= TAB2.INGREDIENT_ORIGIN))

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INTERSECT

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