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Participation Exercise

$R = TMC \quad F = \{T \to C, MC \to T\}$

Decompose the tables in BCNF

none/left	Both	right
M	TC	

$\frac{M^+}{M}$ => is not a key Keys = {MT, MC}

$\frac{MT^+}{MTC}$ => yes a key

$\frac{MC^+}{MCT}$ => yes a key

- Check if there is BCNF Violation:
  T is not a superkey, so it is a violation

- Compute T^+: $\frac{T^+}{TC}$ => violated FD is still $T \to C$

4) Decompose: $T \to C$ | X=T, y=C, z=M |

$R_1 = TC$
$F_1 = \{T \to C\}$

$R_2 = TM$
$F_2 = \{\}$

$Q = \{(TC, \{T \to C\}), (TM, \{\})\}$