

Name 1:

Date:

Name 2:

Remember the Babies? We have a relation $R(BNDM)$, with FDs:

$B \rightarrow M$

$BND \rightarrow M$

$BM \rightarrow D$

1. Is this relation BCNF?

$\{B\}^+ = \{B M D\}$

$B \twoheadrightarrow M$ not trivial

B not a superkey.

Relation is not BCNF!!

2. Is this relation 3NF?

What are the candidate keys?

BN is the only one.

$B \rightarrow M$

↑

Not a SK.

↖

Not part of a cand.
key

⇒ Relation is not 3NF.