

Activity: Fragmentation Strategies

- I. Briefly explain which fragmentation strategy has been applied for the tables below.
- II. Is this fragmentation strategy complete and disjoint? Can we reconstruct the global relations? Explicit the algebraic operation you would use in reconstruction.

Global Relations

Kids(kidId, name, address, age)

Toys(toyId, name, price)

Requests(kidId, toyId, willingness)

Note that requests(kidId) is a foreign key to kids(kidId) and similarly, requests(toyId) refers to toys(toyId).

Fragments

K1= Kids[kidId, name]

K2= Kids[kidId, address, age]

T1= Toys(price >= 150)

T2= Toys(price < 150)

R1 = Requests \bowtie T1

R2 = Requests \bowtie T2