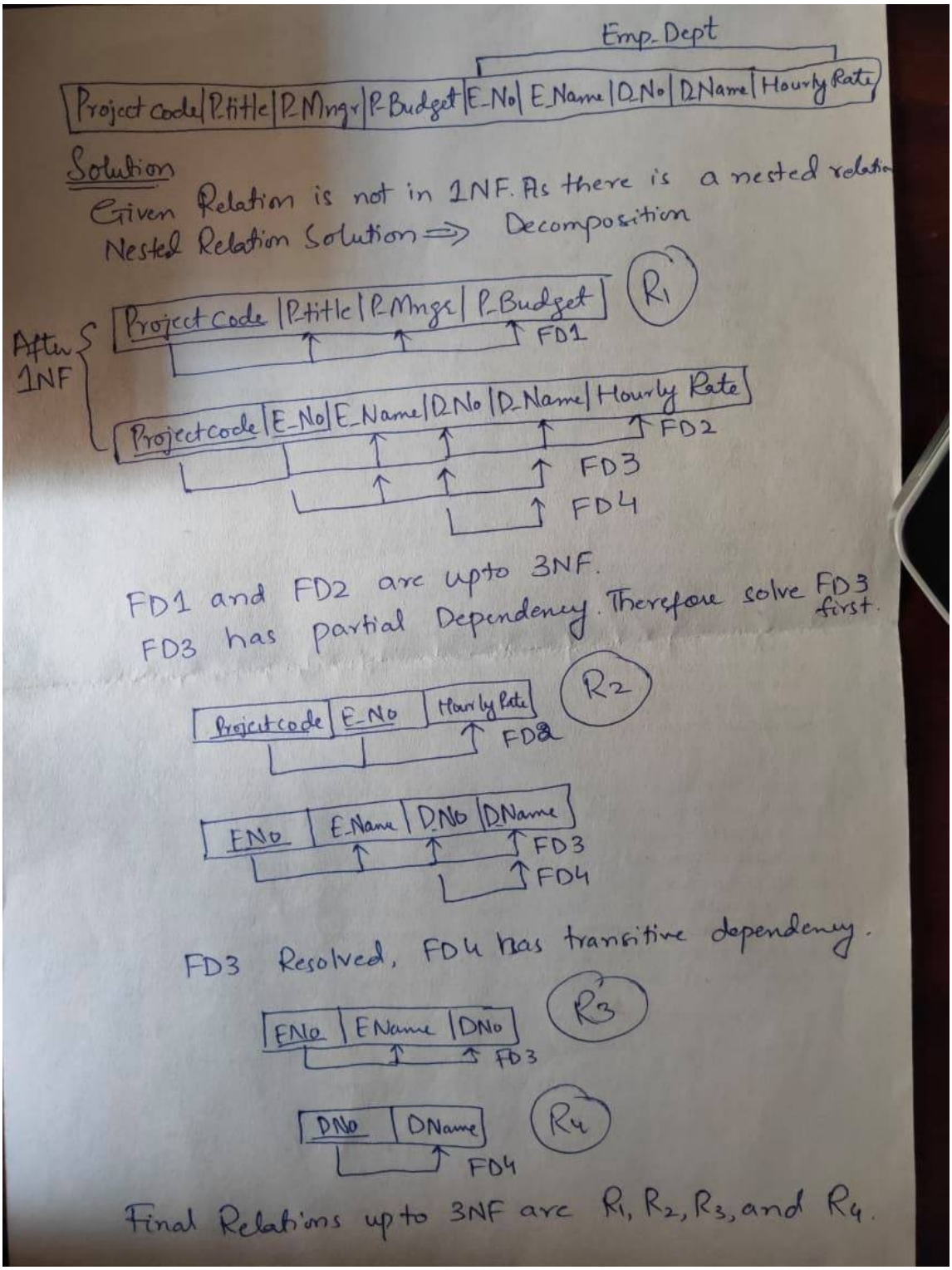
Solution 02 a: $\pi_{pizzeria}(\sigma_{age<18}(Person) \bowtie Frequents)$

b: $\pi_{name}(\sigma_{gender='female' \wedge pizza='mushroom'}(Person \bowtie Eats)) \cap \pi_{name}(\sigma_{gender='female' \wedge pizza='pepperoni'}(Person \bowtie Eats))$

c: $\pi_{pizzeria}(\sigma_{name='Amy'}(Eats) \bowtie \sigma_{price<10}(Serves))$

d: $\pi_{name}(Person) - \pi_{name}(Frequents - \pi_{name,pizzeria}(Eats \bowtie Serves))$

Solution 01A:



Solution 01B: