a. Find all coffeehouses frequented by at least one customer under the age of 18.

π_coffeehouse(σ_age < 18 (Customer) ⋈ Frequents)

b. Find the customer names of all females who drink either Cappuccino or Flat White coffee (or both).

π_c_name(σ_sex = 'F' ∧ (coffee = 'Cappuccino' ∨ coffee = 'Flat White') (Customer) ⋈ Drinks)

c. Find the customer names of all females who drink both Cappuccino and Flat White coffee.

π_c_name(σ_sex = 'F' (Customer) ⋈ (σ_coffee = 'Cappuccino' (Drinks) ⋈ σ_coffee = 'Flat White' (Drinks)))

d. Find all coffeehouses that serve at least one coffee that Magda drinks for less than 10 PLN.

π_coffeehouse(σ_c_name = 'Magda' ∧ price < 10 (Drinks ⋈ Serves))

e. Find all coffeehouses that are frequented by only females or only males.

(π_coffeehouse(σ_sex = 'F' (Customer ⋈ Frequents)) - π_coffeehouse(σ_sex = 'M' (Customer ⋈ Frequents))

f. For each customer, find all coffee the customer drinks that are not served by any coffeehouse the customer frequents. Return all such customer (name) / coffee pairs.

(π_c_name, coffee(Drinks)) - (π_c_name, coffee((Customer ⋈ Frequents) ⋈ Serves))

g. Find the names of all customers who frequent only coffeehouses serving at least one coffee they drink.

π_c_name((Customer ⋈ Frequents ⋈ Serves) ⋈ Drinks) - π_c_name(((Customer ⋈ Frequents ⋈ Serves) - Drinks) ⋈ Customer)

h. Find the names of all customers who frequent every coffeehouse serving at least one coffee they drink.

π_c_name((Customer ⋈ Frequents ⋈ Serves) ⋈ Drinks) * π_c_name(((Customer ⋈ Frequents ⋈ Serves) - Drinks) ⋈ Customer)

i. Find the coffeehouse serving the cheapest Flat White coffee. In the case of limitations, return all of the cheapest- Flat White coffeehouses.

π_coffeehouse(σ_coffee = 'Flat White' ∧ price = γ_min(price)(σ_coffee = 'Flat White' (Serves))) (Serves))