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Задание 1.

1) Select Drivers.FIO, Cars.model from
Drivers JOIN DC on (Drivers.driverid = DC.driverid)
JOIN on (Cars.carid = DC.carid)

((Drivers. JOIN DC) JOIN Cars) [Drivers.FIO, Cars.model]

RANGE OF DX IS Drivers
RANGE OF CX IS Cars
RANGE OF DCX IS DC

DC - дополнительная таблица водителей и машин (у них связь многие ко многим)

(DX.FIO, CX.model) where exists DCX (DCX.driverid = DX.driverid AND exists CX (DCX.carid = CX.carid))

2) select FIO, SUM(Amount) AS sum_amount
from
Drivers JOIN FINES on (Drivers.driverid = Fines.driverid)
group by FIO
having sum_amount > 1000

(SUMMARIZE (Drivers JOIN Fines) PER Drivers {FIO}
ADD SUM(Amount) AS sum_amount) where sum_amount > 1000
[Drivers.FIO]

RANGE OF FX IS Fines
RANGE OF DX IS Drivers

(DX.FIO), SUM(FX where FX.driverid = DX.driverid, FX.Amount) AS total where total > 1000

3) select count (*)
from Fines
group by date_part('year', age (FineDate)

(SUMMARIZE FINES PER (YEAR_GET(Fines{FineDate
AS date_year) ADD COUNT AS cnt)

RANGE OF FX IS FINES
RANGE OF FY IS FINES

YEAR_GET(FX.FineDate), COUNT(FY where
YEAR_GET(FX.FineDate) = YEAR_GET(FY.FineDate))

YEAR_GET - ф-ция для вычленения года из FineDate

Задание 2.

$F\{A \to BC, AC \to D, EB \to AD, E \to H\}$

$\{A, E\}^+ - ?$

	A,E	A,E,B,C,D,H
$A \to BC$	A,E,B,C	A,E,B,C,D,H
$AC \to D$	A,E,B,C,D	A,E,B,C,D,H
$EB \to AD$	A,E,B,C,D	A,E,B,C,D,H
$E \to H$	A,E,B,C,D,H	A,E,B,C,D,H

$\{A, E\}^+ = \{A, E, B, C, D, H\}$.