EAS 503

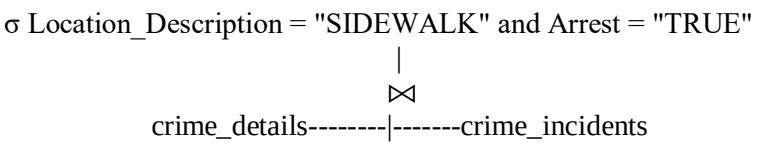
Homework 4

Problem 2:

Algebraic expression:

σ Location_Description = "SIDEWALK" and Arrest = "TRUE" crime_details ⋈ crime_incidents

Expression tree:



Problem 4:

Algebraic expression:

σ FBI_Code = 26 AND DOMESTIC = 'TRUE' crime_incidents

Expression tree:

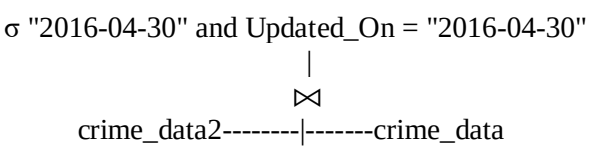
Problem 8:

Algebraic expression:

σ Date = "2016-04-30" and Updated_On =

"2016-04-30" crime_details ⋈ crime_incidents

Expression tree:



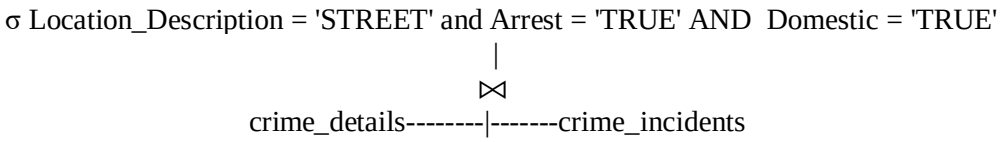
Problem 9:

Algebraic expression:

σ Location_Description = 'STREET' and Arrest = 'TRUE' AND Domestic ='TRUE'

crime_details ⋈ crime_incidents

Expression tree:



Problem 10:

Algebraic expression:

(crime_types ⋈ (crime_details ⋈ crime_incidents))

σ District=10 AND FBI_Code=30 AND primary_type_id= ‘Telephone threats’

Expression tree: