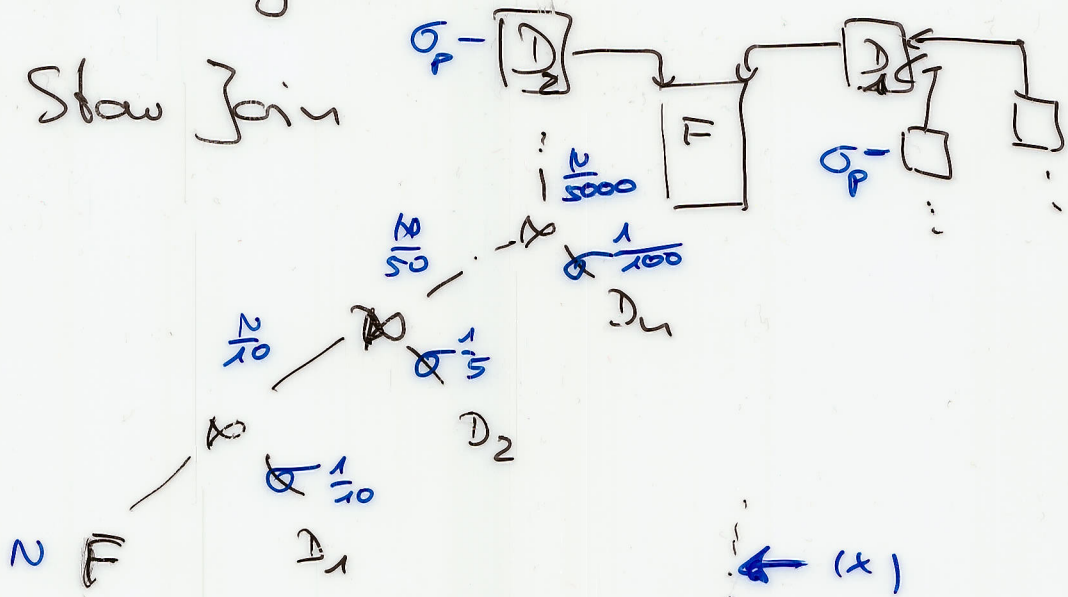


Montag, 26.5.2014

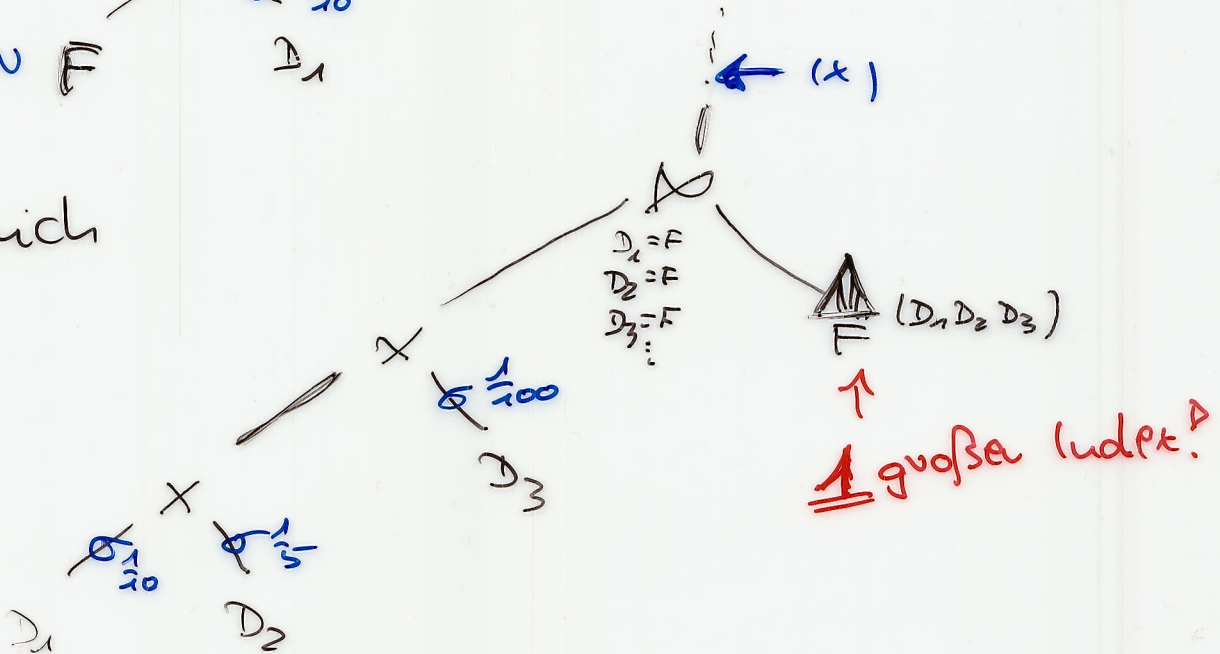
1

# Join-Strategien

↳ Slow Join

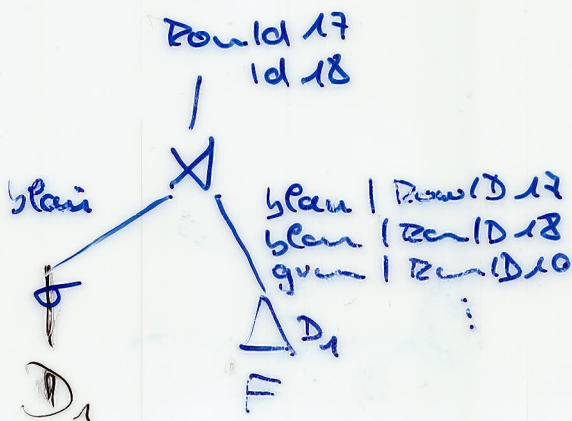


1) Versuch



2) Vorarbeiten

- Index pro Dim.-Tabelle  
 - eff. Verschneiden der ZiD-  
 listen



⇒ Bloom-  
 Filter

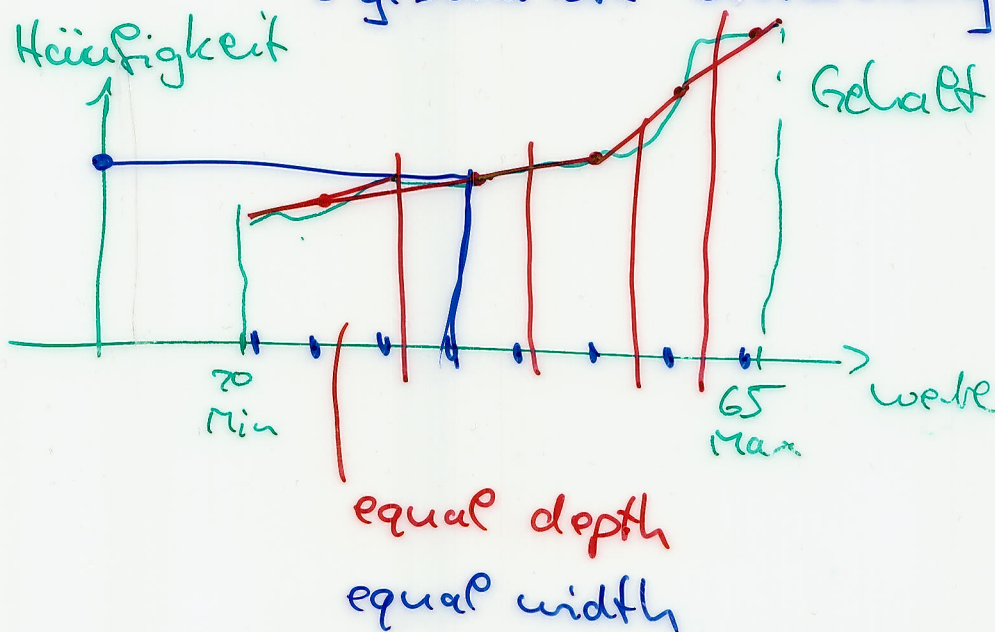
# Einschub: kardinalitäts-schätzung

- Statistiken für opt.

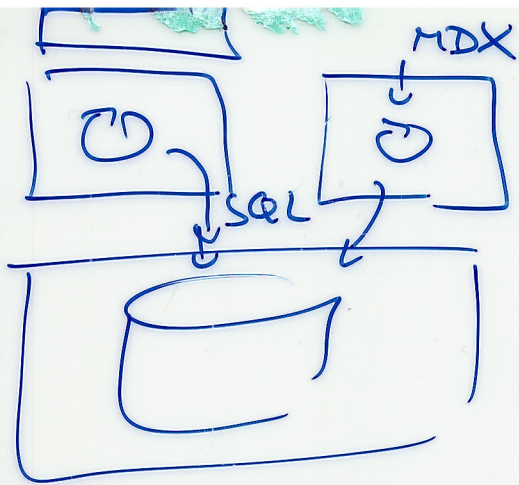
DB2: mstats -kommando

- ↳ Min
- ↳ Max
- ↳ Median
- ↳ # unterschiedl. Werte
- ↳ geschätzte Verteilung

pro  
Spalte

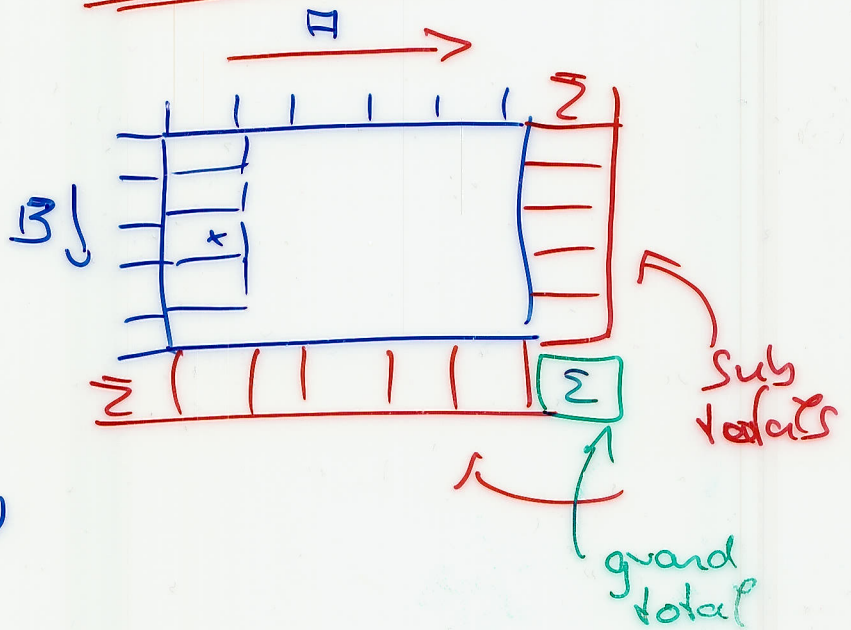


→ Metadatenkatalog



CUBE

(3)



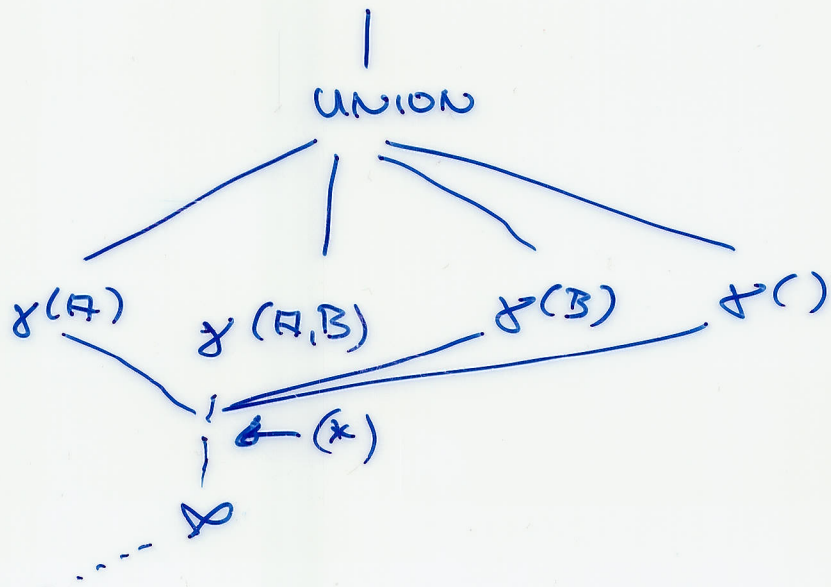
select A, B, sum(x)  
from ...

group by A, B

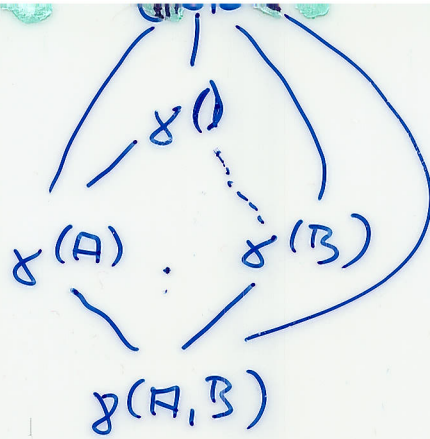
union ~~select A, sum(x)~~ NULL as B  
from  
group by A

union ~~select B, sum(x)~~ NULL as A  
from  
group by B

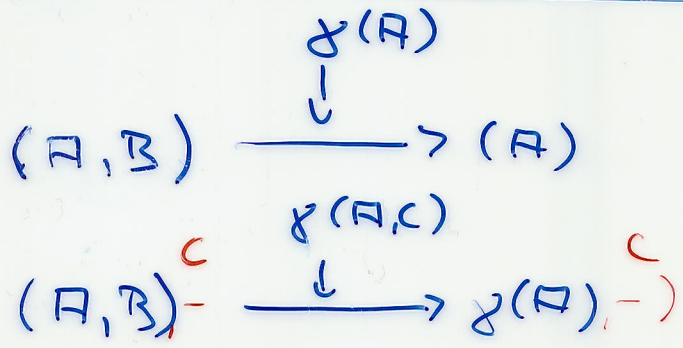
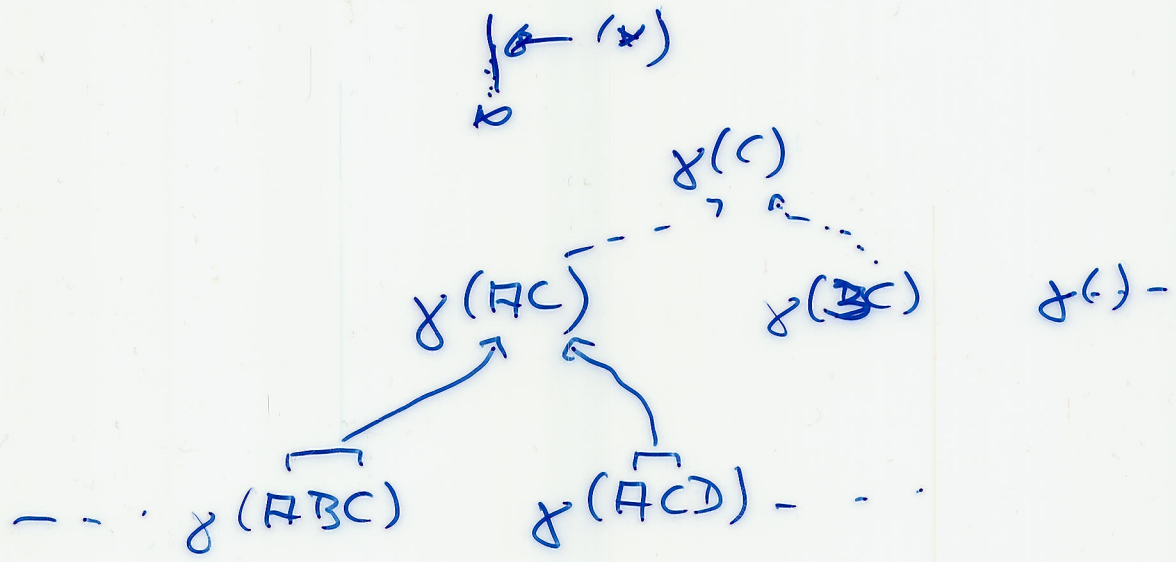
union ~~select sum(x)~~ NULL as A, NULL as B  
from







$\Rightarrow 2^4$  Funktionen!



Teilmengenansatz

$\hookrightarrow$  nicht existierende Spalten werden wie konstanten behandelt.