

SQL →

Data (Cross graph)

Adaptors

ONC-
Pool of

In-Memory

Disk

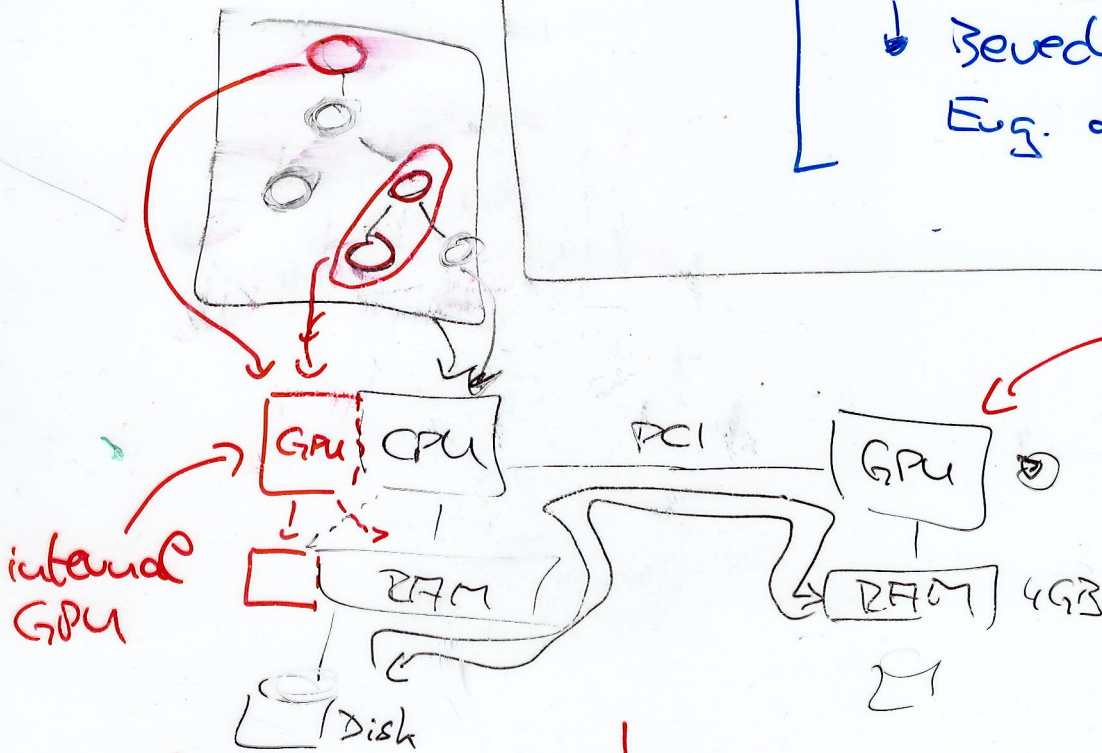
Tuple at a Time

Table at a Time
+ Parallelität

Exkurs:

Nutzung von
GPUs and
CPUs für DBs

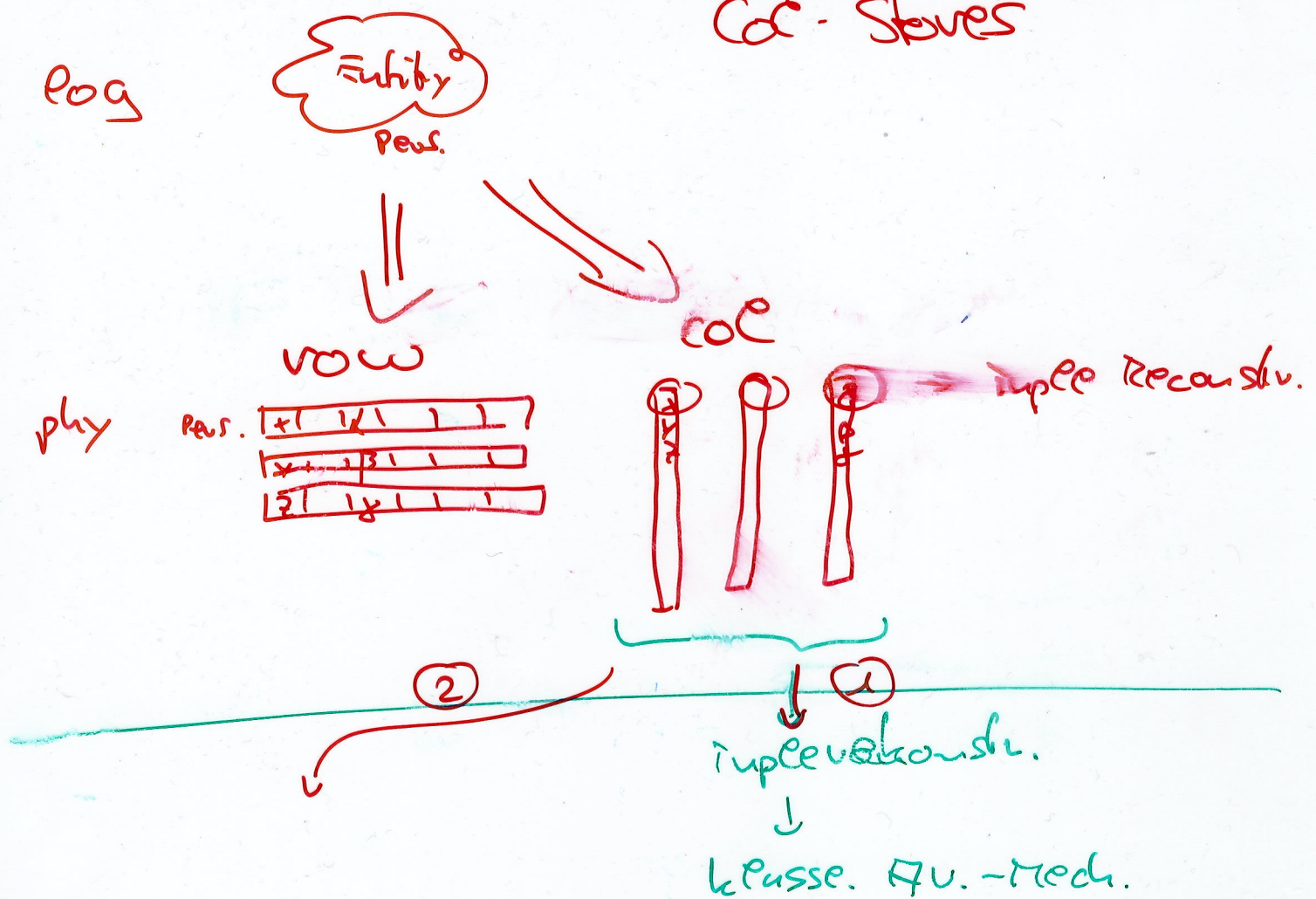
- * ↓ temp Speicher!
- ↓ > direkte Latenz
(Zeit bis zum 1. Ergebnistuple)
- ↓ Berechnung aller
Ergebnistuple



Current Trend
A pos
for DB

Topic: Query Processing in Col-Stores

(2)



⇒ Late Materialization

- novel query processing mechanisms using - bit lists - position indexing

⇒ Early Materialization

- use row-oriented query processing