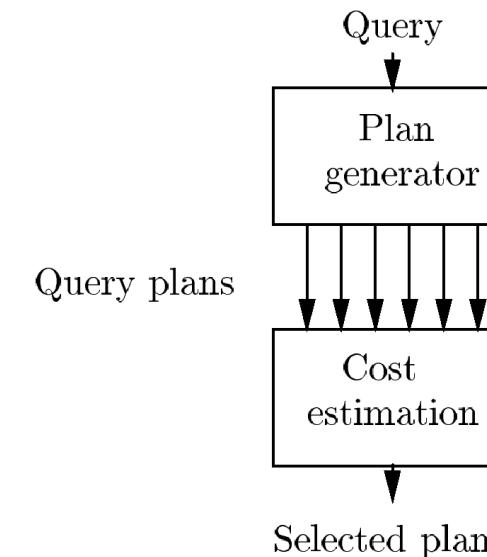


# Query Processing

## Implementation of DBMS

# Overview Query Processing



## Query Plans

Choose operations, e.g.,  $\sigma$ ,  $\bowtie$

Order operations.

Detailed strategy of operations, e.g.:

- Join method.
- Pipelining: consume result of one operation by another, to avoid temporary storage on disk.
- Use of indexes?
- Sort intermediate results?

We focus on relational systems

## Implementation of DBMS

## Implementation of DBMS

## Example

Select B,D

From R,S

Where R.A = "c" AND S.E = 2 AND R.C=S.C