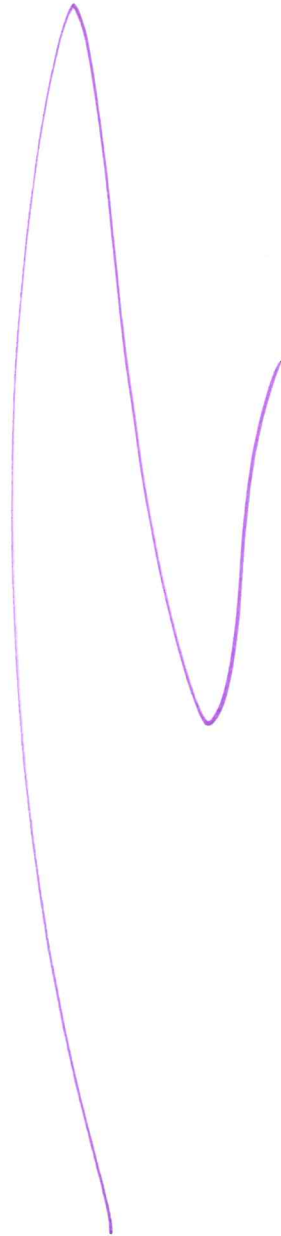


WELLCOME

LAST TIME DB-VORLESUNG



- EVALUATION

- PROBEKLAUSUR

- FRAGEN

R =

a	b	c
3	1	3
1	7	6
7	1	2

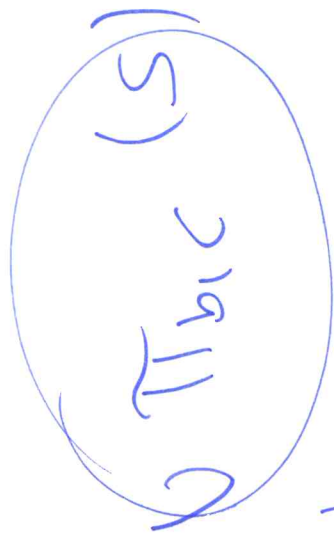
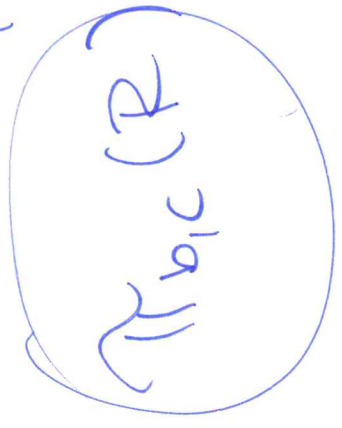
S =

b	c
1	3
7	6
1	2

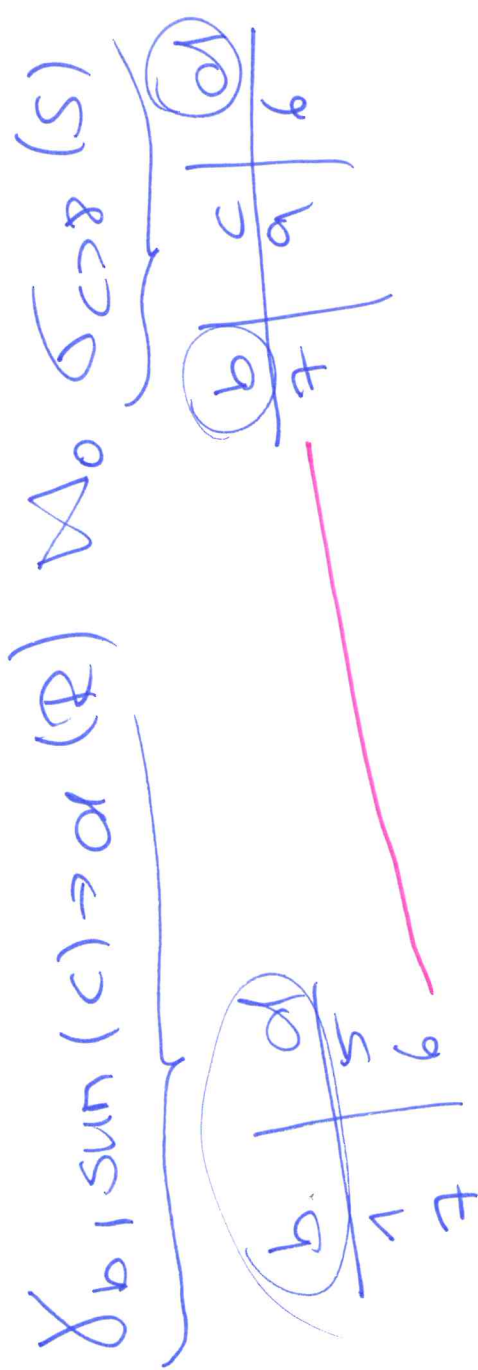
(a)

R	S	
a	b	c
3	1	3
3	1	3
		8
		4

(b)



b	c
1	3
7	6
1	2



$\alpha$	$\beta$
$\gamma$	$\delta$

$$T = \text{NULL}$$

visited (V-ID, PlaceName, Year)

welche B 1 oft mind 3x besucht  $\rightarrow$  Ansp: V-ID

A: =  $\sum_{V-ID \in \text{PlaceName, COUNT(YEAR)} \Rightarrow \text{Anzahl}} (\text{visited})$

B: =  $\sum_{\text{Anzahl} \geq 3} (A)$

C: =  $\prod V-ID (B)$

Select V-ID from visited group by V-ID,  
PlaceName having count(year)  $\geq 3$ ;

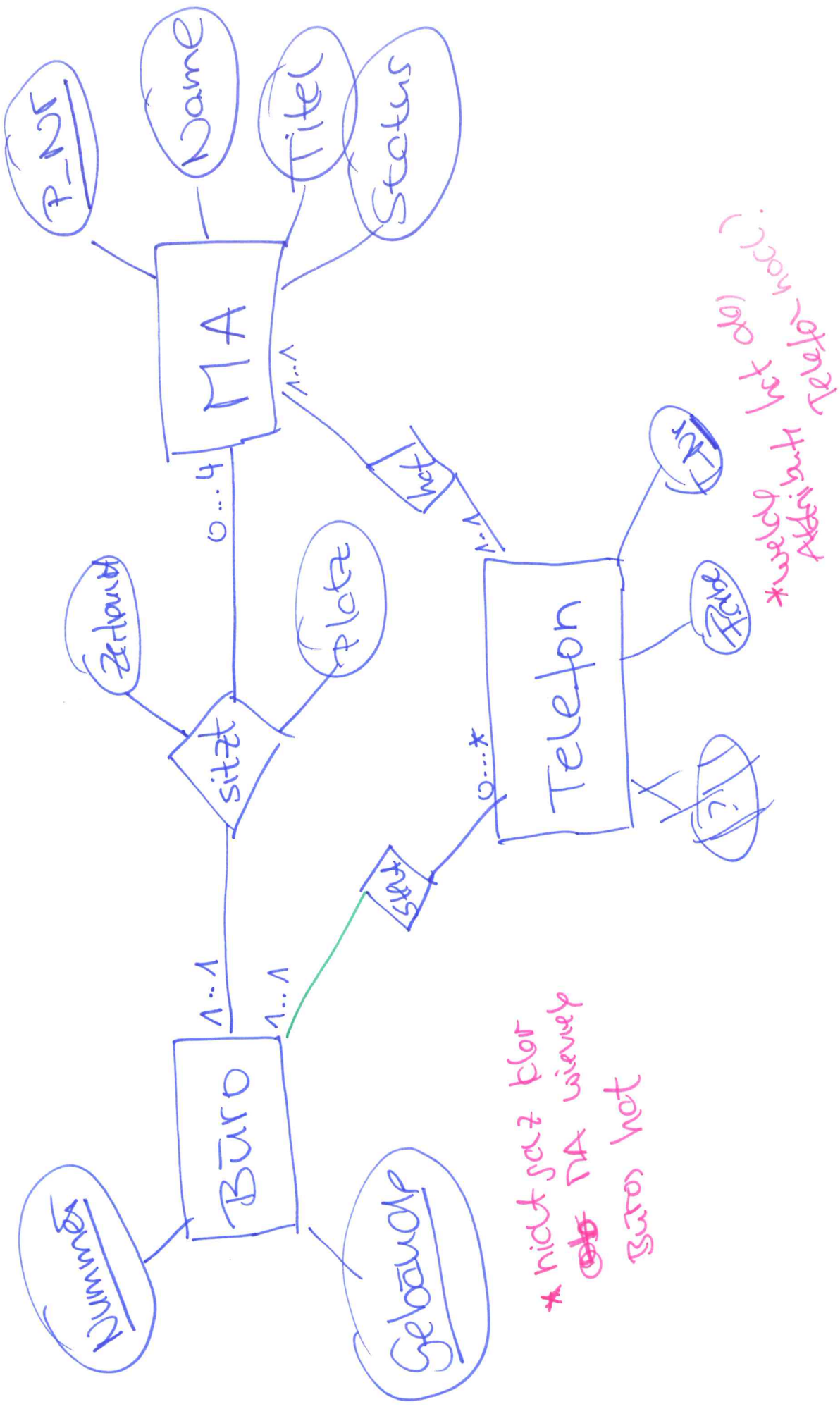
Ø Anzahl d. besucht. Orte pro Besuch (Jk)

V-ID, Year, Anzahl

$\sum_{V-ID, YEAR, COUNT(PlaceName)} (visited)$   
AVS  
⇒ Anzahl

select V-ID, YEAR, COUNT(PlaceName) as Anzahl

from Visited group by V-ID, YEAR



\* nicht satz klar  
 @ DIA wieviel  
 Büros hat

\* wer hat  
 für  
 (telefon hat ab)

BUSO (Nummer: int, Sebende: string)

MA (F\_Nr: int, Name: string, Titel: string, Status: string)

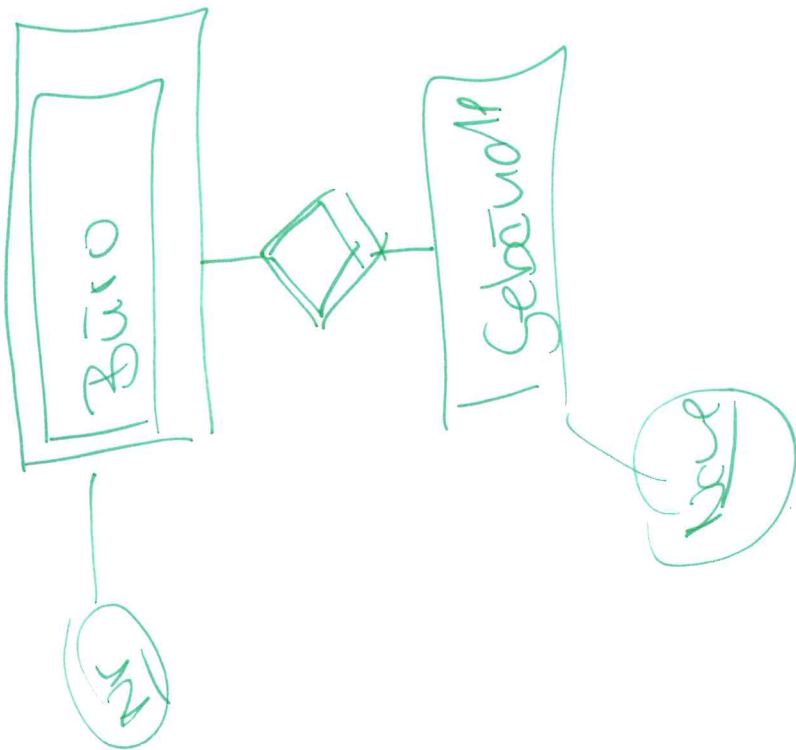
Telefon (T\_Nr: int, Festbe: string)

MA SITZ IM BUREO (F\_Nr: int, Nummer: int, Sebende: string)  
Zeitpunkt: <sup>date</sup> int, Platz: int)

MA HAT TELEFON (F\_Nr: int, T\_Nr: int)

T SITZ IM BUREO (T\_Nr: int, Nummer: int, Sebende: string)





In welchen Büro sitzt, u MA?

8 Nummer, Zeitpunkt (MASTZEIT(BURO))

⇒ kommt am WE