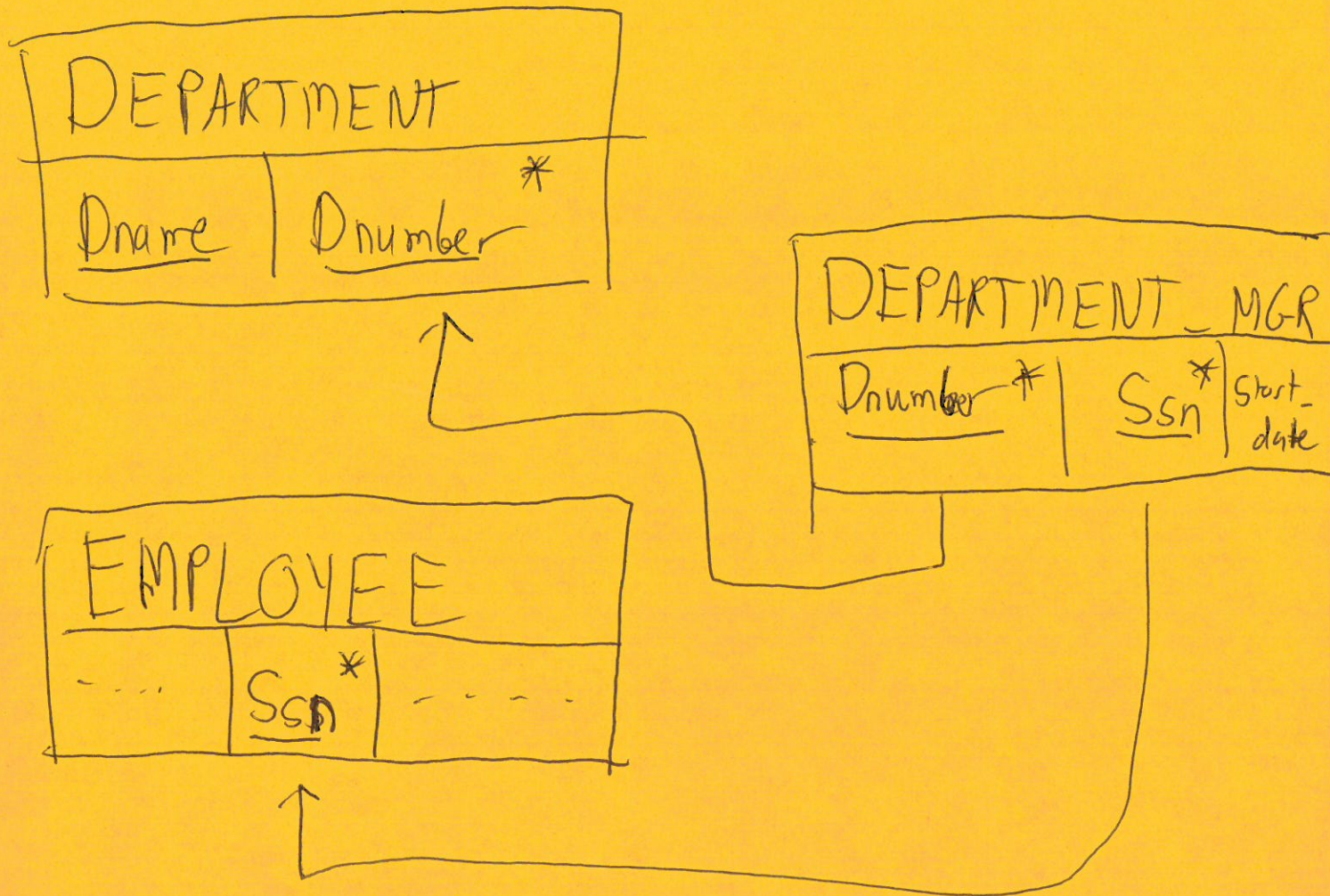


Mapping: Relationships

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Cross reference

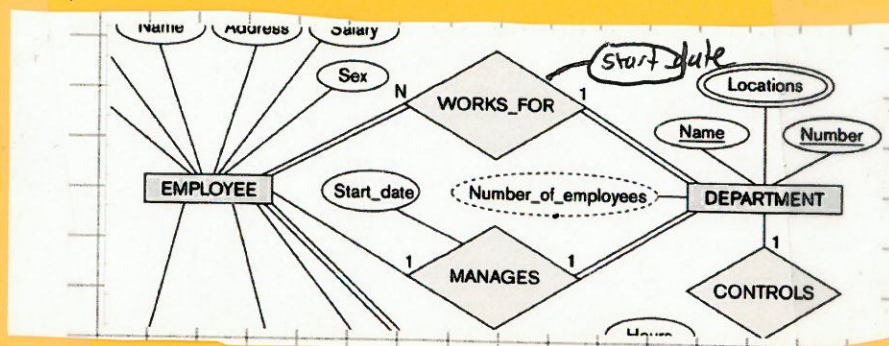


Step 4: 1:N relationships

- foreign key (preferred, simpler)

= Cross ref

Foreign key:



for each 1:N relationship R

S is entity type participating
in N-side of relationship

T entity type participating
in 1-side of relationship

add attribute to S for
primary key of T

Foreign key

EMPLOYEE			
...	<u>Ssn</u> *	...	
		Dno	Dstart-date

DEPARTMENT		
...	<u>Dno</u> *	...

↑

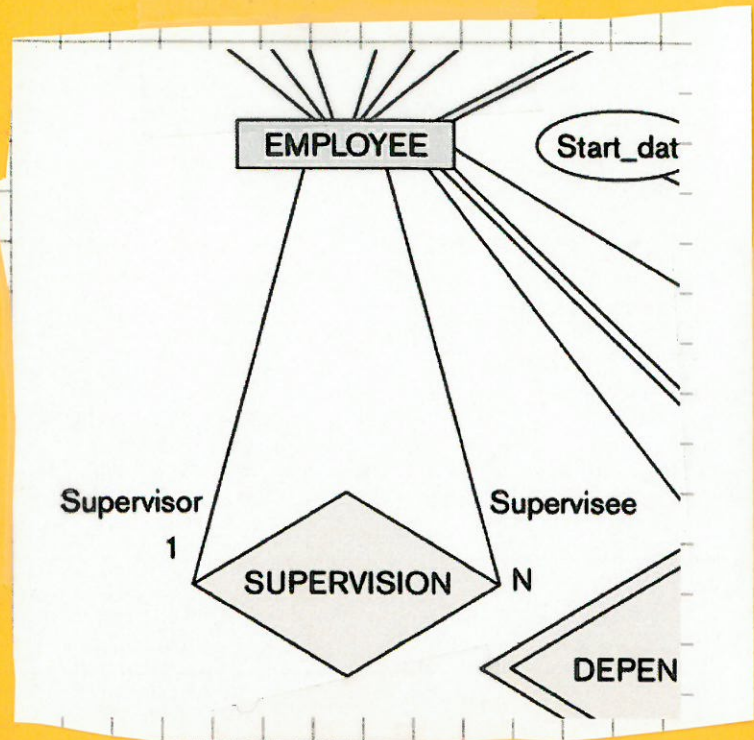
Cross Ref

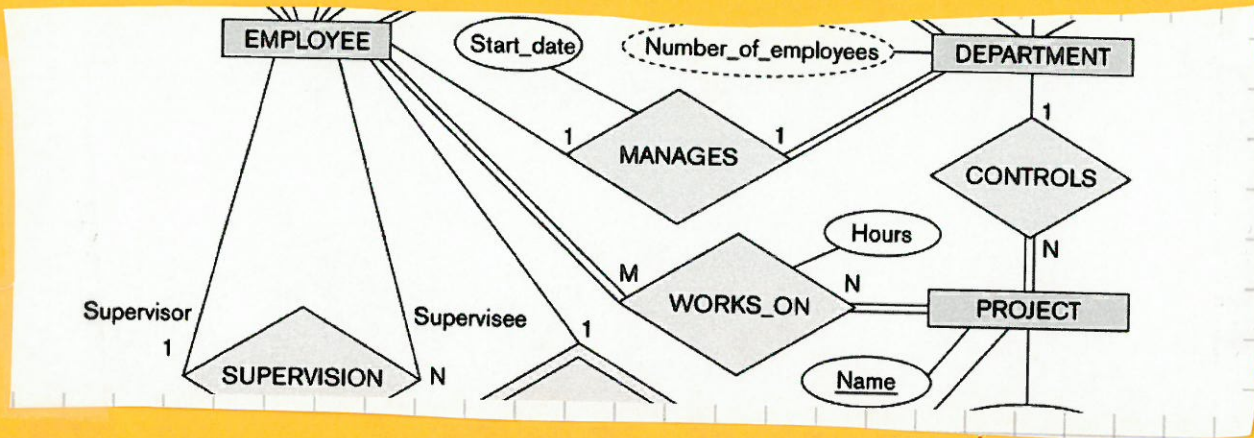
EMPLOYEE			
...	<u>Ssn</u> *

EMPLOYEE_IN_DEPT		
<u>Essn</u> *	<u>Dno</u> *	Start-date

DEPARTMENT	
<u>Dno</u> *	

Lets also try
a recursive
relation





Step 5: Map M:N

= cross reference

