(3A)

σ - selection - shows you ~~what rows that satisfy what you~~ are asking for

π - projection - shows you that specific attributes that you ask for in a relation

X - collision product - uses ~~matrix multiplication~~ on two tables
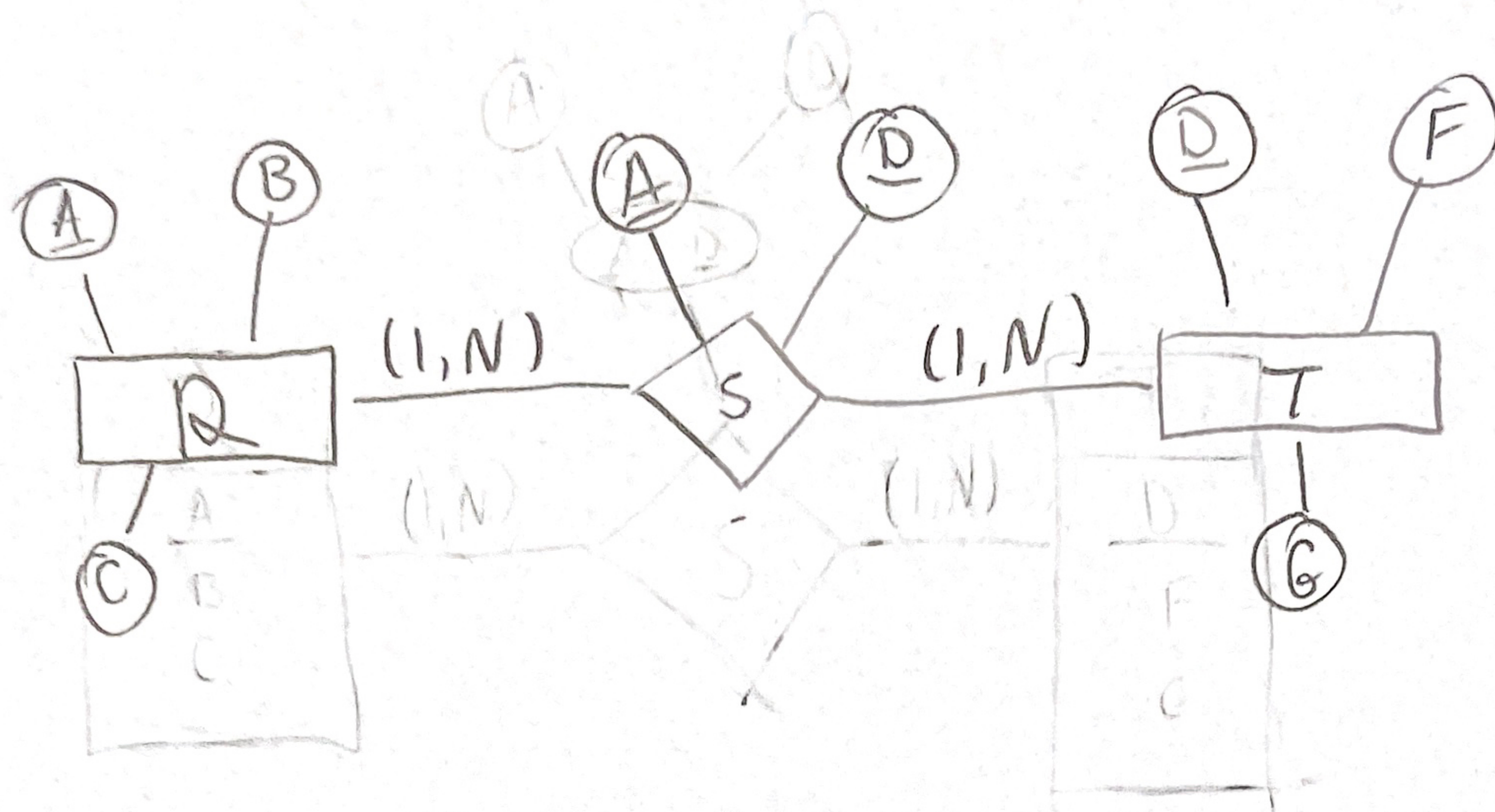
(7A)

T₁

P	Q	R
10	a	a
10	a	8
15	b	8
25	a	b

X

T₂

A	B	R
10	b	6
25	C	3
10	b	5

P	Q	R	A	B	R
10	a	a	10	b	6
10	a	a	25	C	3
10	a	c	10	b	5
15	b	8	10	b	6
15	b	8	25	C	3
15	b	8	10	b	5
25	a	b	10	b	6
25	a	b	25	C	3
25	a	b	10	b	5

(7A.2)

P	Q	R	A	B	R
10	a	5	10	b	5
25	a	6	10	b	6

8B.1

8B.2 ~~A system needs to be created in order to keep track of~~
~~whee~~

```
Create Table Employee (
   Sid        InT,
   Sname      VARCHAR(20) NOT NULL,
   Address    VARCHAR(20) NOT NULL,
   PRIMARY KEY Sid);
```

```
Create Table Part (
   Pid    INT,
   Pname  VARCHAR(20),
   Color  VARCHAR(10),
   PrIMARY KEY Pid);
```

```
Create Table Catalog (
   Sid   INT,
   Pid   INT,
   Cost  VARCHAR(20),
   FOREIGN KEY Sid refrences Employee,
   FOREIGN KEY Pid refrences Port);
```
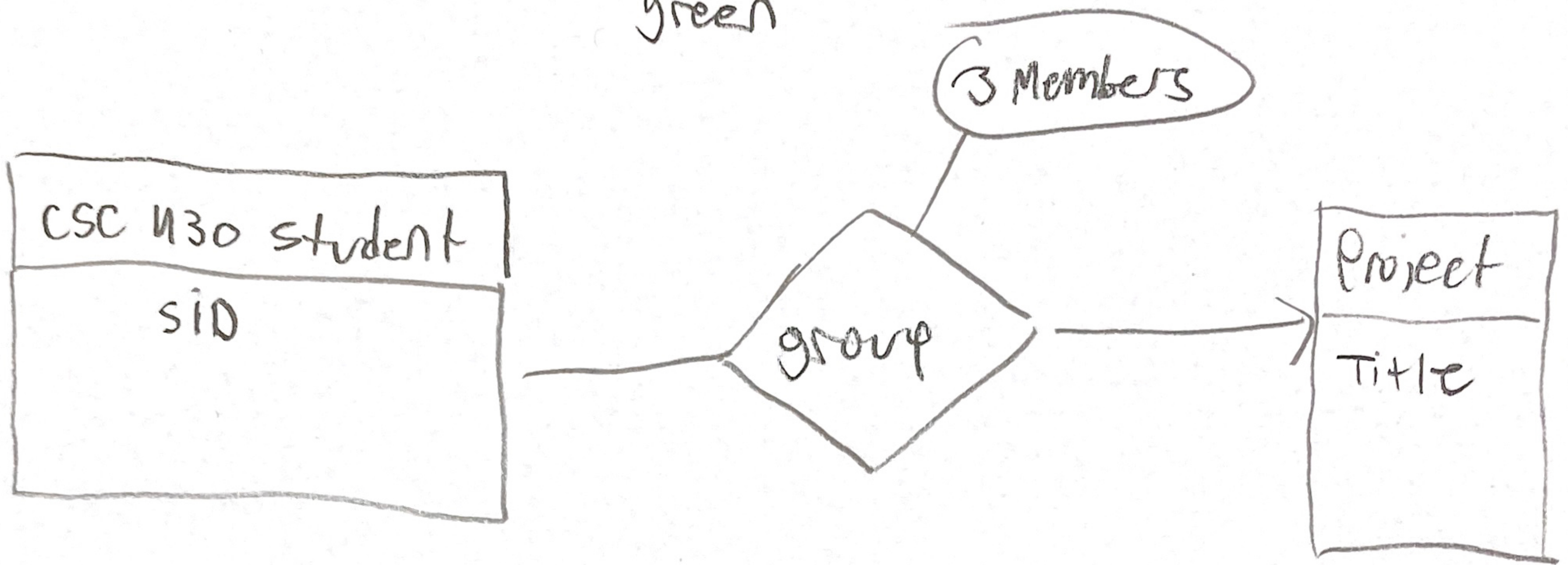
9B.3

Select P. color ~~...~~

From Catalog C, Port P

Where P. color = red
                    ∧ green

9B.1

9B.2