S

sno	sname	...
s1	tom	
s2	jerry	

SC

sno	cno	...
s1	c1	
s2	c2	

$S \times SC$
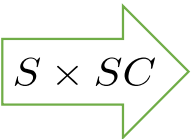
S.sno	sname	...	SC.sno	cno	...
s1	tom		s1	c1	
s1	tom		s2	c2	
s2	jerry		s1	c1	
s2	jerry		s2	c2	

$\sigma_{S.sno=SC.sno \wedge cno=c1}$

S.sno	sname	...	SC.sno	cno	...
s1	tom		s1	c1	

Π_{sname}

sname
tom

$$\Pi_{sname}(\sigma_{S.sno=SC.sno \wedge cno=c1}(S \times SC))$$