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- 1, $\prod_{PNO} (SPJ \bowtie (\prod_{SNO} (\sigma_{CITY="LODON"}(S)) \times \prod_{JNO} (\sigma_{CITY="LODON"}(J)))$
- 2, $\prod_{PNO}(SPJ \bowtie \prod_{SNO,JNO}((\prod_{SNO,CITY}S) \bowtie (\prod_{JNO,CITY}(J))))$
- 3, $\prod_{JNAME} (J \bowtie \prod_{JNO} (SPJ \bowtie (\sigma_{SNO="S1"}(S)))$
- 4, $\prod_{PNAME}(P \bowtie \prod_{PNO}(SPJ \bowtie \prod_{SNO}(SPJ \bowtie (\sigma_{COLOR="RED"}(P))))$
- 5, $\prod_{PNO,SNO}(SPJ) \div \prod_{PNO} P$
- 6, $\prod_{SNAME}(S\bowtie((\prod_{SNO}(\sigma_{PNO="P1"}(SPJ)))\cap(\prod_{SNO}(\sigma_{PNO="P2"}(SPJ)))))$
- 7, $\prod_{PNAME} ((\sigma_{PNAME}!="TV"(P)) \bowtie \prod_{COLOR} (\sigma_{PNAME}="TV"(P))$

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- 1, $\prod_{Sno,Sname}(S \bowtie (\prod_{Sno}(SC \bowtie \prod_{Cno}(\sigma_{Cname="math"}(C)))))$
- 2, $\prod_{Sno} ((\sigma_{Cno=1}(SC)) \cup (\sigma_{Cno=3}(SC)))$
- 3, $\prod_{Sno,Sname,Age}(\sigma_{Age \geq 18 \land Age \leq 20 \land Sex = "female"}(S))$
- 4, $(\prod_{Sno,Sname} S) \bowtie (\prod_{Sno,Grade} (SC \bowtie \sigma_{Cname=" \& HE'}(C)))$
- 5, $\prod_{Sname,SD}((S \bowtie \prod_{Sno,Cno}(SC)) \div (\prod_{Cno}(C))$
- 6, $\prod_{Sname,SD}(S \bowtie (\sigma_{Cno!=2"}(SC)))$

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1,

	Α	В	С	D
	9	а	е	F
Ī	7	g	е	f

2,

А	D
2	d
7	d

3,

А	D
2	d
2 9 2 9	f
2	f
9	е
7	f
7	d
8	f

4.

.,	
Α	D
9	f
2	f
9	е
7	f

5

А	В	С	D
2	b	С	d
7	g	С	d

6,

R.A	R.B	R.C	R.D	W.A	W.C	W.D
2	b	С	d	2	С	d
2	b	е	f	2	С	d
7	g	е	f	2	С	d
7	g	е	f	7	С	d
7	g	С	d	2	С	d
7	g	С	d	7	С	d