

Database / HW2

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<http://firstflight.ir>

1. $\pi_{S_{name}} [\delta_{P_{color}='blue'} (S \bowtie C \bowtie P)]$
2. $\pi_{S_{id}} [\delta_{P_{color}='green'} (C \bowtie P)] \cup \pi_{S_{id}} [\delta_{S_{address}='21 George Street'} (S)]$
3. $\pi_{S_{id1}, S_{id2}} [\delta_{S_{id1} \neq S_{id2} \wedge P_{id1} = P_{id2} \wedge Price1 > Price2} (C \times C)]$
4. $\pi_{S_{id}} (C) - \pi_{S_{id}} [\delta_{P_{color} \neq red} (C \bowtie P)]$
5. $\pi_{S_{id1}} [\delta_{S_{id1} = S_{id2} \wedge P_{id1} \neq P_{id2}} (C \times C)]$
6. $\pi_{P_{name}} [(C \bowtie P) \div \pi_{S_{id}} (S)]$
7. $\pi_{S_{name}} (S) - \pi_{S_{name}} [\delta_{P_{color}='blue'} (S \bowtie C \bowtie P)]$