1) $\pi_{supplier.sname}$

$\quad \sigma_{color=red}$ (catalog

$\quad \bowtie_{suppliers.sid=catalog.sid\ AND\ parts.pid=catalog.pid}$ catalog)

2) $\pi_{supplier.sid}$

$\quad \sigma_{color=red\ OR\ color=green}$ (catalog

$\quad \bowtie_{suppliers.sid=catalog.sid\ AND\ parts.pid=catalog.pid}$ catalog)

3) $\pi_{supplier.sid}$

$\quad \sigma_{color=red\ OR\ address="221\ Packer\ Street"}$ (catalog

$\quad \bowtie_{suppliers.sid=catalog.sid\ AND\ parts.pid=catalog.pid}$ catalog)

4) $\pi_{supplier.sid}$

$\quad \sigma_{color=red\ AND\ color=green}$ (catalog

$\quad \bowtie_{suppliers.sid=catalog.sid\ AND\ parts.pid=catalog.pid}$ catalog)

5) $\pi_{supplier.sid}$

$\quad \sigma_{color="Red"\ OR\ color="Green"\ OR\ color="Blue"}$ (catalog

$\quad \bowtie_{suppliers.sid=catalog.sid\ AND\ parts.pid=catalog.pid}$ catalog)   //{Division}

6) $\pi_{supplier.sid}$

$\quad \sigma_{color=red}$ (catalog

$\quad \bowtie_{suppliers.sid=catalog.sid\ AND\ parts.pid=catalog.pid}$ catalog)

7) $\pi_{supplier.sid}$

$\sigma_{color = red\ OR\ color = green}$ (catalog

$\bowtie_{suppliers.sid = catalog.sid\ AND\ parts.pid = catalog.pid}$ catalog)

8) $\pi_{supplier.sid}$

$\sigma_{color = red\ OR\ color = green}$ (catalog

$\bowtie_{suppliers.sid = catalog.sid\ AND\ parts.pid = catalog.pid}$ catalog)