(CUAHANG)

c) $A \leftarrow \sigma_{(BACL = 'II')}$

$A_1 \leftarrow A \bowtie (NHAP)$

$A_1 \leftarrow \pi_{MACH, TENCH} (A \bowtie_{MAXD} NHAP)$

d) $Q \leftarrow NHAP \bowtie_{MACH} CUAHANG \bowtie_{MAXD} XANGDAU$

$Q_1 \leftarrow \pi_{MACH, TENCH} (\sigma_{TENXD = 'Xăng không chì R95' \wedge NGAYNHAP = '08/10/2022'} (Q))$

$Q_2 \leftarrow \pi_{MACH, TENCH} (\sigma_{TENXD = 'Xăng không chì R92' \wedge NGAYNHA = '08/10/2022'} (Q))$

$KQ \leftarrow Q_1 \wedge Q_2$

e) $Q \leftarrow {}_{MAXD}\mathcal{J}_{count(NGAYNHAP)} (\sigma_{year(NGAYNHAP) = 2022} (CUAHANC \bowtie_{MACH} NHAP))$

$KQ \leftarrow Q \bowtie \pi_{TENXD, MAXD} (CUAHANG)$

f) $Q \leftarrow \pi_{MALX} (\sigma_{MABQ = 'II'} (XANGDAU))$

$K \leftarrow NHAP \bowtie_{MACH} CUAHANG \bowtie_{MAXD} XANGDAU \bowtie_{MALX} Q$

$KQ \leftarrow \pi_{MACH, MALX} (K)$

2) DNNK (<u>MADN</u>, TENDN, NGAY TL, DIACHI, SDT, LOAIDN)

LOAIXANG (<u>MALX</u>, TENLX, MDBQ)

XANGDAU (<u>MAXD</u>, TENXD, MADN, MALX, GIACOSO, THUEPN)

CUAHANG (<u>MACH</u>, TENCH, BACCL, RONGDD, CAOTB, CAOMC)

NHAP (<u>MACH, MAXD, NGAYNHAP</u>, SLUONG, GIANHAP)

<div style="text-align:center">(CUAHANG)</div>

a) $A \leftarrow \sigma_{(BACCL = 'II' \wedge CAOTB >= '1,5' \wedge}$

$\leftarrow 2 \wedge RONGDD > 2)$

$\rightarrow \pi_{TENCH} (A)$

<div style="text-align:center">(XANGDAU)</div>

b) $A \leftarrow \sigma_{(TENXD = 'Xang khong chi R95')}$

$B \leftarrow \sigma_{NGAYNHAP = '24/10/2021'}^{(NHAP)}$

$AB \leftarrow A \overset{MAXD}{\bowtie} R$

$C \leftarrow CUAHANG \bowtie AB$

$\pi_{MACH, TENCH} (C)$