Bài 1:

1. ­σPHG = 4(NHANVIEN)
2. σLUONG > 30000(NHANVIEN)
3. σ(LUONG > 25000) ∧ (PHG = 4)(NHANVIEN) ∪ σ(LUONG > 30000) ∧ (PHG = 5)(NHANVIEN)
4. πHONV, TENLOT, TENNV(σDCHI = ‘TP.CHM’(NHANVIEN))
5. πHONV, TENLOT, TENNV(σHONV LIKE ‘N%’(NHANVIEN))
6. πNGSINH, DCHI(σ(HONV = ‘Dinh’) ∧ (TENLOT = ‘Ba’) ∧ (TENNV = ‘Tien’)(NHANVIEN))
7. R1 ← PHONGBAN ►◄ DIADIEM\_PHG

πTENPHG, DIADIEM(R1)

1. R1 ← PHONGBAN ►◄TRPHG = MANVNHANVIEN

πTENNV(R1)

1. R1 ← PHONGBAN ►◄MAPHG = PHGNHANVIEN

πTENNV, DCHI(σTENPHG = ‘Nghiên cứu’(R1))

1. R1 ← πTENDA, TENPHG, TRPHG, NG\_NHANCHUC(PHONGBAN ►◄MAPHG = PHONGDEAN)

R2 ← R1 ►◄TRPHG = MANVNHANVIEN

πTENDA, TENPHG, NG\_NHANCHUC, HONV, TENNV(R2)

1. R1GIOITINH, TENTN, MA\_NVIEN ← πPHAI, TENTN, MA\_NVIEN(THANNHAN)

R2 ← NHANVIEN ►◄MANV = MA\_NVIENR1

πTENNV, TENTN(σPHAI = ‘Nữ’(R2))



Bài 2:

1. R1 ← KHANANG ►◄NHANVIEN

πMANV, TEN, DCHI, DTHOAI (σMALOAI = ‘B747’(R1))

1. R1 ← PHANCONG ►◄CHUYENBAY

R2 ← πMANV(σSBDI = ‘SLC’ ∧ MACB = 10 (R1))

πTEN(R2 ►◄NHANVIEN)

1. R1 ← LICHBAY ►◄CHUYENBAY

πMALOAI, SOHIEU(σSBDI = ‘MIA’(R1))

1. R1 ← KHACHHANG ►◄DATCHO
2. πMACB, NGAYDI, TEN, DCHI, DTHOAI(σSBDI = ‘MIA’(R1))
3. 5 . R1 ← PHANCONG ►◄NHANVIEN

R2 <- R1 ►◄ CHUYENBAY

πMACB, NGAYDI, TEN, DCHI, DTHOAI(R2)

6 . R1 <-πMACB(σSBDEN=’ORD’(CHUYENBAY))

R2 <- πMANV,MACB (R1►◄PHANCONG)

R3 <- (R2►◄NHANVIEN)

πTEN, MACB,NGAYDI, MANV, TEN(R3)

7 .