

Séance n°1 :

Q1 :

RT = SELECTION (AVION / CAP > 350)

Q2 :

RT1 = SELECTION (AVION / LOC = 'Nice')

RT2 = PROJECTION (RT1, NUMAV, NOMAV)

Q3 :

RT = PROJECTION (VOL, NUMPIL, VILLE_DEP)

Q4 :

RT1 = SELECTION (PILOTE / ADR = 'Paris')

RT2 = SELECTION (RT1 / SAL > 5000)

RT3 = PROJECTION (RT2, NOMPIL)

Q5 :

RT1 = SELECTION (AVION / LOC = 'Nice')

RT2 = SELECTION (AVION / CAP < 350)

RT3 = UNION (RT1, RT2)

RT4 = PROJECTION (RT3, NUMAV, NOMAV)

Q6 :

RT1 = SELECTION (VOL / VILLE_DEP = 'Nice')

RT2 = SELECTION (VOL / VILLE_ARR = 'Paris')

RT3 = INTERSECTION (RT1, RT2)

RT4 = SELECTION (VOL / H_DEP > 18)

RT5 = INTERSECTION (RT3, RT4)

RT6 = PROJECTION (RT5, NUMVOL)

OU

RT1 = SELECTION (VOL / VILLE_DEP = 'Nice')

RT2 = SELECTION (RT1 / VILLE_ARR = 'Paris')

RT3 = SELECTION (RT2 / H_DEP > 18)

RT4 = PROJECTION (RT3, NUMVOL)

Q7 :

RT1 = PROJECTION (VOL, NUMPIL)

RT2 = PROJECTION (PILOTE, NUMPIL)

RT3 = DIFFERENCE (RT1, RT2)

Q8 :

RT1 = SELECTION (VOL / NUMPIL = 100)

RT2 = SELECTION (VOL / NUMPIL = 204)

RT3 = UNION (RT1, RT2)

RT4 = PROJECTION (RT3, NUMVOL, VILLE_DEP)

Q9 :

RT1 = SELECTION (VOL / VILLE_DEP = 'Nice')

RT2 = SELECTION (PILOTE / ADR = 'Paris')

RT3 = JOINTURE (RT1, RT2 / NUMPIL = NUMPIL)

RT4 = PROJECTION (RT3, VILLE_DEP, VILLE_ARR)

Q10 :

RT1 = SELECTION (AVION / LOC != 'Nice')

RT2 = JOINTURE (RT1, VOL / NUMAV = NUMAV)

RT3 = PROJECTION (RT2, NUMVOL, VILLE_DEP, VILLE_ARR)

Q11 :

RT1 = SELECTION (VOL / VILLE_DEP = 'Nice')

RT2 = SELECTION (AVION / CAP > 300)

RT3 = JOINTURE (RT1, RT2 / NUMAV = NUMAV)

RT4 = JOINTURE (RT3, PILOTE / NUMPIL = NUMPIL)

RT5 = PROJECTION (RT4, NUMPIL, NOMPIL)

Q12 :

RT1 = SELECTION (PILOTE / ADR = 'Paris')

RT2 = SELECTION (VOL / VILLE_DEP = 'Nice')

RT3 = SELECTION (NOMAV = 'Airbus')

RT4 = JOINTURE (RT2, RT3 / NUMAV = NUMAV)

RT5 = JOINTURE (RT1, RT4 / NUMPIL = NUMPIL)

RT6 = PROJECTION (RT5, NUMPIL)

Q13 :

RT1 = SELECTION (VOL / VILLE_DEP = 'Nice')

RT2 = SELECTION (VOL / VILLE_ARR = 'Nice')

RT3 = UNION (RT1, RT2)

RT4 = SELECTION (PILOTE / ADR = 'Nice')

RT5 = SELECTION (AVION / LOC = 'Paris')

RT6 = JOINTURE (RT3, RT4 / NUMPIL = NUMPIL)

RT7 = JOINTURE (RT5, RT6 / NUMAV = NUMAV)

RT8 = PROJECTION (RT7, NUMVOL)

Q14 :

RT1 = SELECTION (PILOTE / NUMPIL = 'Martin')

RT2 = JOINTURE (RT1, PILOTE / ADR = ADR)

RT3 = PROJECTION (RT2, NUMPIL, NOMPIL)

Q15 :

RT1 = SELECTION (PILOTE / NOMPIL = 'Durand')

RT2 = JOINTURE (RT1, VOL / NUMPIL = NUMPIL)

RT3 = PROJECTION (RT2, NUMPIL)

Q16 :

RT1 = SELECTION (VOL / VILLE_DEP = 'Paris')

RT2 = JOINTURE (VOL, RT1 / VILLE_DEP = VILLE_ARR)

RT3 = PROJECTION (RT2, VILLE_ARR)

Q17 :

RT1 = SELECTION (AVION / NUMAV = 100)

RT2 = PROJECTION (RT1, LOC)

RT3 = JOINTURE (AVION, RT1 / LOC = LOC)

RT4 = PROJECTION (RT3, NUMAV)

Q18 :

RT1 = SELECTION (PILOTE / NOMPIL = 'Martin')

RT2 = JOINTURE (PILOTE, RT1 / ADR = ADR)

RT3 = JOINTURE (PILOTE, RT1 / SAL > SAL)

RT21 = PROJECTION (RT2, NUMPIL, NOMPIL, NUMPIL)

RT31 = PROJECTION (RT3, NUMPIL, NOMPIL, NUMPIL)

RT4 = INTERSECTION (RT21, RT31)

RT5 = PROJECTION (RT4, NUMPIL, NOMPIL)

Q20 :

RT1 = JOINTURE (PILOTE, PILOTE / NOMPIL = NOMPIL)

RT2 = JOINTURE (PILOTE, PILOTE / NUMPIL = NUMPIL)

RT3 = DIFFERENCE (RT1, RT2)

RT4 = PROJECTION (RT3, NUMPIL, NOMPIL)

Q19 :

RT1 = PROJECTION (PILOTE, NUMPIL, ADR)

RT2 = PROJECTION (VOL, NUMPIL, VILLE_DEP)

RT3 = INTERSECTION (RT1, RT2)

RT4 = JOINTURE (PILOTE, RT3 / NUMPIL = NUMPIL)

RT5 = PROJECTION (RT5, NUMPIL, NOMPIL)