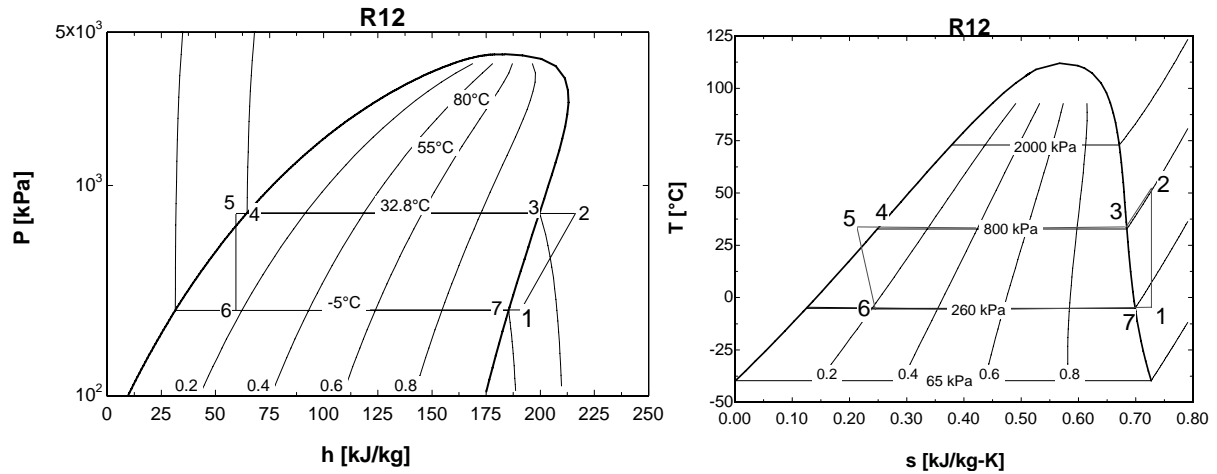


RESULTADOS PRIMER PARCIAL MEC 2254 1/2007
 PARALEELO A
 DOCENTE : EDGAR S. PEÑARANDA MUÑOZ

PROBLEMA1 R12

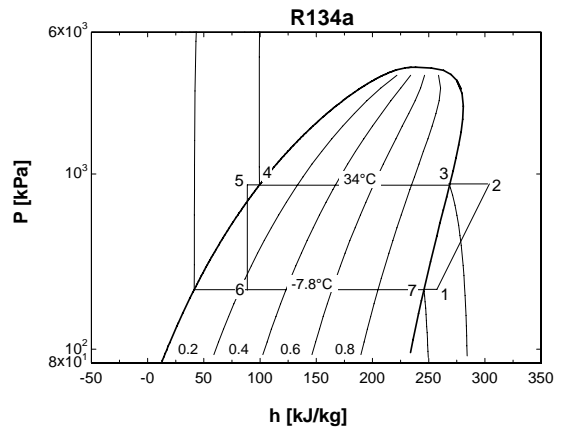
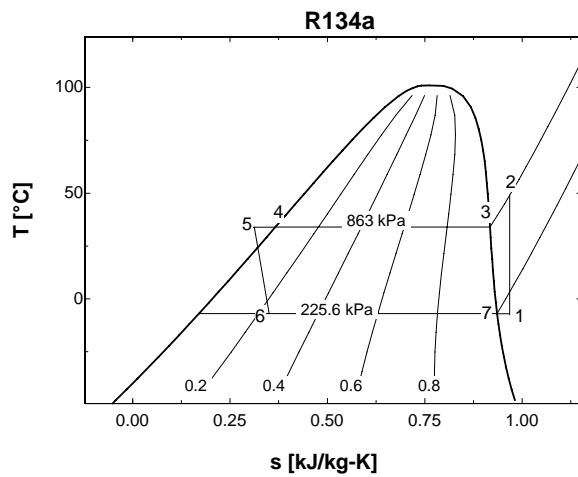


| Estado | Temp. C | Presión KPa | Entalpía KJ/Kg | Densidad Kg/m3 | Entropía KJ/Kg K | Título | estado agregado |
|--------|------------|----------------|-------------------|-------------------|---------------------|--------|--------------------|
| 1 | 3 | 260.7 | 190.4 | 14.8 | 0.718 | | VR |
| 2 | 46.9 | 800.3 | 211.1 | 42.2 | 0.718 | | VR |
| 3 | 32.8 | 800.3 | 200.6 | 45.7 | 0.685 | 1 | VS |
| 4 | 32.8 | 800.3 | 67.3 | 1250 | 0.249 | 0 | LS |
| 5 | 28.8 | 800.3 | 63.5 | 1250 | 0.236 | | LC |
| 6 | -5 | 260.7 | 63.5 | 70.92 | 0.245 | 0.21 | MLV |
| 7 | -5 | 260.7 | 185.4 | 15.38 | 0.699 | 1 | VS |

$Q_{cond} = -11.6 \text{ KW}$ $Q_{evap} = 10 \text{ KW}$
 $W_{comp} = -1.6 \text{ KW}$ $COP = 6.2$

RESULTADOS PRIMER PARCIAL MEC 2254 1/2007
 PARALEELO A
 DOCENTE : EDGAR S. PEÑARANDA MUÑOZ

PROBLEMA 1 R134a



| Estado | Temp. C | Presión KPa | Entalpía KJ/Kg | Densidad Kg/m3 | Entropía KJ/Kg K | Título | estado agregado |
|--------|------------|----------------|-------------------|-------------------|---------------------|--------|--------------------|
| 1 | 1 | 225.6 | 253.2 | 10.8 | 0.961 | | VR |
| 2 | 46.8 | 863.1 | 282.2 | 39 | 0.961 | | VR |
| 3 | 34 | 863.1 | 268.6 | 42.2 | 0.917 | 1 | VS |
| 4 | 34 | 863.1 | 99.4 | 1111.2 | 0.367 | 0 | LS |
| 5 | 30 | 863.1 | 93.6 | 1250 | 0.348 | | LC |
| 6 | -7 | 225.6 | 93.6 | 43.67 | 0.362 | 0.25 | MLV |
| 7 | -7 | 260.7 | 246.3 | 11.23 | 0.936 | 1 | VS |

$Q_{cond} = -11.8 \text{ KW}$ $Q_{evap} = 10 \text{ KW}$
 $W_{comp} = -1.8 \text{ KW}$ $COP = 5.6$