解： Δr*H*θm(1)= [−89.1−64.77] kJ⋅mol−1= −153.9 kJ⋅mol−1

Δr*H*θm(2)= [−167.159−100.37−(−121.55) −(−127.068)] kJ⋅mol−1= −18.91 kJ⋅mol−1

Δr*H*θm(3)= [2×(−48.5)+3×(−285.83) +824.2] kJ⋅mol−1= −130.3 kJ⋅mol−1

Δr*H*θm(4)= [−153.89 −64.77] kJ⋅mol−1= −218.66 kJ⋅mol−1