

```

DSum[Cs____] := Sum[F1[c], {c, {Cs}}] +
  Sum[F2[c0, c1], {c0, {Cs}}, {c1, {Cs}}]
lhs = DSum[{1, j, k}, {1, i, k+}, {1, i+, j+},
  {s, m, n}] // . gR1,j,k ∪ gR1,i,k+ ∪ gR1,i+,j+;
rhs = DSum[{1, i, j}, {1, i+, k}, {1, j+, k+},
  {s, m, n}] // . gR1,i,j ∪ gR1,i+,k ∪ gR1,j+,k+;
Simplify[lhs == rhs]

```