

```

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 U gR1,i,k^+ U gR1,i^+,j^+;
rhs = DSum[{1, i, j}, {1, i^+, k}, {1, j^+, k^+}, {s, m, n}] //.
  gR1,i,j U gR1,i^+,k U gR1,j^+,k^+;
Simplify[lhs == rhs]

```