

```
R2G[i_,j_][ε_] := Expand[ε /. {  
    e_j → T[i] e_j + (1 - T[i]) e_i, f_j → S[i] f_j + (1 - S[i]) f_i,  
    g_j → T[i] S[i] g_j + (1 - T[i] S[i]) g_i  
    + (S[i] + T[i] - 2 S[i] T[i]) e_i f_i + S[i] (T[i] - 1) e_i f_j + T[i] (S[i] - 1) e_j f_i}]
```