

```
 $\delta_{i_,j_} := \text{If}[i === j, 1, 0];$ 
```

```
gRules[{s_, i_, j_}] := {
```

```
   $\mathbf{g}_{\nu_j\beta} \Rightarrow \mathbf{g}_{\nu j^+\beta} + \delta_{j\beta}, \mathbf{g}_{\nu_i\beta} \Rightarrow T_\nu^s \mathbf{g}_{\nu i^+\beta} + (1 - T_\nu^s) \mathbf{g}_{\nu j^+\beta} + \delta_{i\beta},$ 
```

```
   $\mathbf{g}_{\nu_\alpha i^+} \Rightarrow T_\nu^s \mathbf{g}_{\nu \alpha i} + \delta_{\alpha i^+}, \mathbf{g}_{\nu_\alpha j^+} \Rightarrow \mathbf{g}_{\nu \alpha j} + (1 - T_\nu^s) \mathbf{g}_{\nu \alpha i} + \delta_{\alpha j^+}$ 
```

```
};
```

```
gRules[X___List] := Union @@ Table[gRules[c], {c, {X}}]
```