

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

```
 $gR_{s_-, i_-, j_-} := \{$ 
```

```
 $g_{\nu_- j \beta_-} \rightarrow g_{\nu j^+ \beta} + \delta_{j \beta}, \quad g_{\nu_- i \beta_-} \rightarrow T_\nu^s g_{\nu i^+ \beta} + (1 - T_\nu^s) g_{\nu j^+ \beta} + \delta_{i \beta},$ 
```

```
 $g_{\nu_- \alpha_- i^+} \rightarrow T_\nu^s g_{\nu \alpha i^+} + \delta_{\alpha i^+}, \quad g_{\nu_- \alpha_- j^+} \rightarrow g_{\nu \alpha j^+} + (1 - T_\nu^s) g_{\nu \alpha i^+} + \delta_{\alpha j^+}$ 
```

```
}
```