



```

γ1 = γ0 (ε[0] // Γ);
Do[
  γ1 =
    γ1 // qΔ[a[2 i - 1], 4 i - 3, 4 i - 2] // dm[0, 4 i - 3, 0] // qΔ[a[2 i], 4 i - 1, 4 i] //
      dS[4 i] // dm[0, 4 i, 0] //
      dS[4 i - 2] // dm[0, 4 i - 2, 0] // dm[0, 4 i - 1, 0],
  {i, g}];
γ1

```

$$\left( \begin{array}{c} \frac{\omega T_0^2 - \omega T_0 \alpha_{12} + \omega T_0^2 \alpha_{12} + \omega T_0 \alpha_{21} - \omega T_0^2 \alpha_{21} - \omega \alpha_{12} \alpha_{21} + 2 \omega T_0 \alpha_{12} \alpha_{21} - \omega T_0^2 \alpha_{12} \alpha_{21} + \omega \alpha_{11} \alpha_{22} - 2 \omega T_0 \alpha_{11} \alpha_{22} + \omega T_0^2 \alpha_{11} \alpha_{22}}{T_0^2} \\ S_0 \\ \Sigma \end{array} \right) \begin{array}{l} S_0 \\ 1 \\ 1 \end{array}$$

```

g = 2;
vars = Table[Ta[i], {i, 2 g}]; vars = {};
γ0 = Γ[ω@@vars, Sum[h_a[i] Product[Ta[j] σ_j,i], {i, 2 g}], Sum[t_a[i] h_a[j] (Ta[i] - 1) α_i,j @@vars,
  {i, 2 g}, {j, 2 g}] + Sum[t_a[i] h_a[i] Product[Ta[j] σ_j,i], {i, 2 g}]] /. α_[] := α;

```

```

γ1 = γ0 (ε[0] // Γ);
Do[
  γ1 =
    γ1 // qΔ[a[2 i - 1], 4 i - 3, 4 i - 2] // dm[0, 4 i - 3, 0] // qΔ[a[2 i], 4 i - 1, 4 i] //
      dS[4 i] // dm[0, 4 i, 0] //
      dS[4 i - 2] // dm[0, 4 i - 2, 0] // dm[0, 4 i - 1, 0],
  {i, g}];
γ1
$Aborted

```

A very large output was generated. Here is a sample of it:

( <<1>> )

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