```
Φs[2, 1] = Φs[3, 1] = Φs[3, 2] = 0;
Φs[3, 1, 2] = 1 / 24; Φ = DKS[3, Φs];
SeriesSolve[Φ,
  (Φ^σ[3,2,1] ≡ -Φ) ⋀
   (Φ ** Φ^σ[1,23,4] ** Φ^σ[2,3,4] ≡ Φ^σ[12,3,4] ** Φ^σ[1,2,34])];
Φ (* Can raise degree to 10 *)
```

SeriesSolve::ArbitrarilySetting : In degree 3 arbitrarily setting {Φs[3, 1, 1, 2] → 0}.

SeriesSolve::ArbitrarilySetting : In degree 5 arbitrarily setting {Φs[3, 1, 1, 1, 1, 2] → 0}.

$$\mathrm{DKS}\Big[0,\ \frac{1}{24}\,\overline{t_{13}\,t_{23}},\ 0,\ -\frac{7\,\overline{t_{13}\,t_{23}\,t_{23}\,t_{23}}}{5760}+\frac{7\,\overline{t_{13}\,\overline{t_{13}\,t_{23}}\,t_{23}\,t_{23}}}{5760}-\frac{\overline{t_{13}\,\overline{t_{13}\,\overline{t_{13}\,t_{23}}}}}{1440},$$

$$0,\ \frac{31\,\overline{t_{13}\,t_{23}\,t_{23}\,t_{23}\,t_{23}\,t_{23}}}{967\,680}-\frac{157\,\overline{t_{13}\,\overline{t_{13}\,t_{23}}\,t_{23}\,t_{23}\,\overline{t_{13}\,t_{23}}}}{1\,935\,360}-$$

$$\frac{31\,\overline{t_{13}\,t_{23}\,\overline{t_{13}\,t_{23}\,t_{23}\,t_{23}}}}{387\,072}-\frac{31\,\overline{t_{13}\,\overline{t_{13}\,t_{23}}\,t_{23}\,t_{23}\,t_{23}}}{483\,840}+$$

$$\frac{11\,\overline{t_{13}\,t_{13}\,\overline{t_{13}\,t_{23}}\,\overline{t_{13}\,t_{23}}}}{290\,304}+\frac{31\,\overline{t_{13}\,\overline{t_{13}\,t_{23}}\,\overline{t_{13}\,t_{23}}\,t_{23}}}{725\,760}+\frac{83\,\overline{t_{13}\,t_{13}\,\overline{t_{13}\,t_{23}}\,t_{23}\,t_{23}}}{967\,680}-$$

$$\frac{13\,\overline{t_{13}\,t_{13}\,t_{13}\,\overline{t_{13}\,t_{23}}\,t_{23}}}{241\,920}+\frac{\overline{t_{13}\,t_{13}\,t_{13}\,t_{13}\,t_{13}\,t_{23}}}{60\,480},\ \ldots\Big]$$