

Pensieve header: An attempt to verify that my AT solution solves the KV equations; continues pensieve://2013-11/.

Verifying the KV Equations

```
SetDirectory["C:\\drorbn\\AcademicPensieve\\2013-12"];
<< "../2013-05/FreeLie.m"
<< "../2013-05/muCalculus.m"
<< "../2013-10/WKOSolution8-0.m"
```

```
$SeriesShowDegree = 5; $SeriesCompareDegree = 8;
α = MakeLieSeries[{"1", "2"}, αs]; β = MakeLieSeries[{"1", "2"}, βs];
γ = MakeCWSeries[{"1", "2"}, γs];
V = M[{1 → α, 2 → β}, MakeCWSeries[0]]
```

$$M\left[\left\{1 \rightarrow LS\left[0, -\frac{\overline{12}}{24}, 0, \frac{\overline{71112}}{5760} - \frac{\overline{71122}}{5760} + \frac{\overline{1222}}{1440}, 0\right],\right.\right.$$

$$\left.2 \rightarrow LS\left[\frac{\overline{1}}{2}, -\frac{\overline{12}}{12}, 0, \frac{\overline{1112}}{5760} - \frac{1}{720} \frac{\overline{1122}}{1122} + \frac{1}{720} \frac{\overline{1222}}{1222}, -\frac{\overline{11112}}{7680} + \frac{\overline{11122}}{3840} - \frac{\overline{11212}}{6912}\right]\right\},$$

$$CWS[0, 0, 0, 0, 0]$$