Pensieve header: The linearized tree-level KV and twist equations.

```
SetDirectory["C:/drorbn/AcademicPensieve/Projects/WKO4"];
<< FreeLie.m;
{A1 = LS[{x, y}, A1s], B1 = LS[{x, y}, B1s]};
msgs1 = SeriesSolve[{A1, B1},
   ħ^-1 (b[LW@x, A1] + b[LW@y, B1] ≡ LS[0]) ⋀
    (A1 ≡ (B1 // LieMorphism[x → y, y → x]))];
Do[A1[k]; Print[{k, msgs1 // Read // Last // Last // Length,
   TimeUsed[], MaxMemoryUsed[]}], {k, 12}]
A1@12; Length[Last[#]] & /@ Read[msgs1]
```

```
FreeLie` implements / extends
 {*, +, **, $SeriesShowDegree, ⟨⟩, ∫, ≡, ad, Ad, adSeries, AllCyclicWords, AllLyndonWords,
  AllWords, Arbitrator, ASeries, AW, b, BCH, BooleanSequence, BracketForm, BS, CC, Crop,
  CW, CWS, CWSeries, D, Deg, DegreeScale, DerivationSeries, div, DK, DKS, EulerE, Exp,
  Inverse, j, J, JA, LieDerivation, LieMorphism, LieSeries, LS, LW, LyndonFactorization,
  Morphism, New, RandomCWSeries, Randomizer, RandomLieSeries, RC, SeriesSolve,
  Support, t, tb, TopBracketForm, tr, UndeterminedCoefficients, Γ, ι, Λ, σ, ħ, ⟝, ⟞}.
FreeLie` is in the public domain. Dror Bar-Natan
  is committed to support it within reason until July 15, 2022.
SeriesSolve::ArbitrarilySetting : In degree 1 arbitrarily setting {A1s[x] → 0, A1s[y] → 0}.
{1, 2, 0.577, 29 597 376}
{2, 0, 0.577, 29 597 376}
SeriesSolve::ArbitrarilySetting : In degree 3 arbitrarily setting {A1s[x, y, y] → 0}.
{3, 1, 0.78, 29 597 376}
{4, 0, 0.78, 29 597 376}
SeriesSolve::ArbitrarilySetting : In degree 5 arbitrarily setting {A1s[x, x, x, y, y] → 0, A1s[x, x, y, y, y] → 0}.
General::stop : Further output of SeriesSolve::ArbitrarilySetting will be suppressed during this calculation. >>
{5, 2, 1.014, 29 597 376}
{6, 0, 1.045, 29 597 376}
{7, 4, 1.076, 29 597 376}
{8, 2, 1.185, 29 597 376}
{9, 8, 1.716, 34 995 072}
{10, 6, 2.745, 42 239 544}
{11, 21, 6.567, 66 337 304}
{12, 20, 21.45, 139 080 120}
{2, 0, 1, 0, 2, 0, 4, 2, 8, 6, 21, 20}
```