
$$X0 = -t^2 - \frac{1}{t^2}$$

$$X1 = -t^4 y - t^2 x^2$$

$$X2 = -t^4 \left(-t^2 - \frac{1}{t^2}\right) - 2t^2 x^2 + t^2 y \left(-t^4 y - t^2 x^2\right)$$

$$X3 = -t^4 \left(-t^4 y - t^2 x^2\right) - 2t^2 x^2 + t^2 y \left(-t^4 \left(-t^2 - \frac{1}{t^2}\right) - 2t^2 x^2 + t^2 y \left(-t^4 y - t^2 x^2\right)\right)$$

$$\begin{aligned} X4 = &-t^4 \left(-t^4 \left(-t^2 - \frac{1}{t^2}\right) - 2t^2 x^2 + t^2 y \left(-t^4 y - t^2 x^2\right)\right) - 2t^2 x^2 \\ &+ t^2 y \left(-t^4 \left(-t^4 y - t^2 x^2\right) - 2t^2 x^2 + t^2 y \left(-t^4 \left(-t^2 - \frac{1}{t^2}\right) - 2t^2 x^2 + t^2 y \left(-t^4 y - t^2 x^2\right)\right)\right) \end{aligned}$$

$$\begin{aligned} X5 = &-t^4 \left(-t^4 \left(-t^4 y - t^2 x^2\right) - 2t^2 x^2 + t^2 y \left(-t^4 \left(-t^2 - \frac{1}{t^2}\right) - 2t^2 x^2 + t^2 y \left(-t^4 y - t^2 x^2\right)\right)\right) \\ &- 2t^2 x^2 + t^2 y \left(-t^4 \left(-t^4 \left(-t^2 - \frac{1}{t^2}\right) - 2t^2 x^2 + t^2 y \left(-t^4 y - t^2 x^2\right)\right) - 2t^2 x^2 \right. \\ &\left. + t^2 y \left(-t^4 \left(-t^4 y - t^2 x^2\right) - 2t^2 x^2 + t^2 y \left(-t^4 \left(-t^2 - \frac{1}{t^2}\right) - 2t^2 x^2 + t^2 y \left(-t^4 y - t^2 x^2\right)\right)\right)\right) \end{aligned}$$

$$T2x = x^2 - 2$$

$$skein22 = -2 + SCC(1,1)^2$$

$$lhs = \left(-2 + SCC(1,1)^2\right) SCC(1,1)$$

$$rhs = SCC(1,1) \left(-2 + SCC(1,1)^2\right)$$

$$lhsEqualRhs = \text{True}$$

$$verifiedEqualityS = \text{True}$$

$$verifiedSumEqualRatio = \text{True}$$