

Pensieve header: "SquareMatrixQ" bug by Nathan Dunfield.

```
$Path = Append[$Path, "/pkgs"];
```

```
<< KnotTheory`
```

Loading KnotTheory` version of September 6, 2014, 13:37:37.2841.

Read more at <http://katlas.org/wiki/KnotTheory>.

```
K = PD[X[3, 8, 4, 1], X[5, 3, 6, 2], X[1, 7, 2, 6], X[7, 4, 8, 5]];
KhReduced[K][q, t]
```

SetDelayed: Tag SquareMatrixQ in SquareMatrixQ[m_] is Protected.

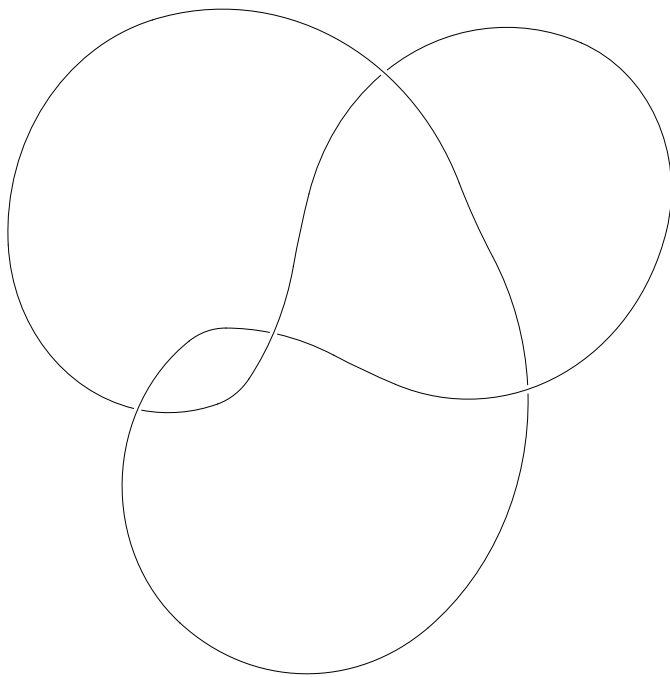


```
pd1->PD[X[3, 8, 4, 9], X[5, 3, 6, 2], X[1, 7, 2, 6], X[7, 4, 8, 5]]
```

$$\begin{aligned}
 & kh \rightarrow \text{KnotTheory`UniversalKh`Private`M}[0, 1] + \\
 & \frac{\text{KnotTheory`UniversalKh`Private`M}[0, 1]}{q^4 t^2} + \frac{\text{KnotTheory`UniversalKh`Private`M}[0, 1]}{q^2 t} + \\
 & \frac{q^2 t \text{KnotTheory`UniversalKh`Private`M}[0, 1] + q^4 t^2 \text{KnotTheory`UniversalKh`Private`M}[0, 1] + \\
 & \text{KnotTheory`UniversalKh`Private`h KnotTheory`UniversalKh`Private`M}[1, 1, -1]}{q^4 t^2} + \\
 & \frac{\text{KnotTheory`UniversalKh`Private`h KnotTheory`UniversalKh`Private`M}[1, 1, 0] + \\
 & \text{KnotTheory`UniversalKh`Private`h KnotTheory`UniversalKh`Private`M}[1, 1, 0]}{q^2 t} + \\
 & \text{KnotTheory`UniversalKh`Private`h } q^2 t \text{KnotTheory`UniversalKh`Private`M}[1, 1, 1] \\
 & \frac{1}{q} + \frac{1}{q^5 t^2} + \frac{1}{q^3 t} + q t + q^3 t^2
 \end{aligned}$$

```
DrawPD[K]
```

KnotTheory: DrawPD was written by Emily Redelmeier at the University of Toronto in the summers of 2003 and 2004.



\$VersionNumber

11.2