```
<< KnotTheory`
```

```
Loading KnotTheory` version of April 3, 2014, 16:23:56.0784.
Read more at http://katlas.org/wiki/KnotTheory.
```

```
K = Knot[3, 1]
```

```
Knot[3, 1]
```

```
sInvariant[K]
```

KnotTheory::credits : Universal Khovanov homology over Q[t] is calculated using Jeremy Green's JavaKh program, interpreted by a wrapper written by Dror Bar–Natan, and decomposed into direct summands using a program of Scott Morrison and Alexander Shumakovitch.

KnotTheory::loading : Loading precomputed data in PD4Knots`.

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

$$\text{kh}\to \frac{\text{KnotTheory`UniversalKh`Private`M}[0,1]}{q^2}+\frac{\text{KnotTheory`UniversalKh`Private`M}[0,1]}{q^8 t^3}+\frac{\text{KnotTheory`UniversalKh`Private`M}[0,1]}{q^6 t^2}+\frac{\text{KnotTheory`UniversalKh`Private`h}\,\text{KnotTheory`UniversalKh`Private`M}[1,1,1]}{q^8 t^3}$$

$$-2$$