```
$Path = Append[$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]
```

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

```
kh->KnotTheory`UniversalKh`Private`M[0, 1] +
  KnotTheory`UniversalKh`Private`M[0, 1]/(q^4 t^2) + KnotTheory`UniversalKh`Private`M[0, 1]/(q^2 t) +
  q^2 t KnotTheory`UniversalKh`Private`M[0, 1] + q^4 t^2 KnotTheory`UniversalKh`Private`M[0, 1] +
  KnotTheory`UniversalKh`Private`h KnotTheory`UniversalKh`Private`M[1, 1, -1]/(q^4 t^2) +
  KnotTheory`UniversalKh`Private`h KnotTheory`UniversalKh`Private`M[1, 1, 0] +
  KnotTheory`UniversalKh`Private`h KnotTheory`UniversalKh`Private`M[1, 1, 0]/(q^2 t) +
  KnotTheory`UniversalKh`Private`h q^2 t KnotTheory`UniversalKh`Private`M[1, 1, 1]
```

$$\frac{1}{q} + \frac{1}{q^5 t^2} + \frac{1}{q^3 t} + q\,t + q^3 t^2$$