```
<< KnotTheory`
```

Loading KnotTheory` version of April 20, 2009, 14:18:34.482.
Read more at http://katlas.org/wiki/KnotTheory.

```
L = PD[
    X[12, 6, 1, 5], X[8, 2, 9, 1], X[4, 10, 5, 9],
    X[18, 3, 13, 2], X[3, 14, 4, 13], X[14, 11, 15, 10],
    X[11, 16, 12, 15], X[16, 7, 17, 6], X[7, 18, 8, 17]
  ];
```

```
j = Jones[L][q]
```

$-q^{7/2} - q^{11/2}$

```
maybe = Select[AllLinks[], (
    quo = Factor[(Jones[#][q] / j)];
    quo == 1 || quo == q || MatchQ[quo, q^_]
  ) &]
```

KnotTheory::loading : Loading precomputed data in Jones4Links`.

```
{Link[2, Alternating, 1], Link[9, NonAlternating, 15]}
```

mva = MultivariableAlexander[L][t]

KnotTheory::credits :

The multivariable Alexander program "MVA2" was written by Jana Archibald at the University of Toronto
        in 2007–2008.

$$\frac{1 + t[1] \, t[2]^2 + t[1]^2 \, t[2]^4}{t[1] \, t[2]^2}$$

MultivariableAlexander[#][t] & /@ maybe

KnotTheory::loading : Loading precomputed data in MultivariableAlexander4Links`.

$$\left\{ -t[1], \ -\frac{1 + t[1] \, t[2]^2 + t[1]^2 \, t[2]^4}{t[1] \, t[2]^2} \right\}$$

```
DrawMorseLink[Link["L9n15"]]
```

KnotTheory::loading : Loading precomputed data in PD4Links`.

KnotTheory::credits : MorseLink was added to KnotTheory` by Siddarth Sankaran
at the University of Toronto in the summer of 2005.

KnotTheory::credits : DrawMorseLink was written by Siddarth Sankaran
at the University of Toronto in the summer of 2005.