

```
In[1]:= << KnotTheory`
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Loading KnotTheory` version of April 20, 2009, 14:18:34.482.

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

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In[2]:= ? ConnectedSum
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ConnectedSum[K1, K2] represents the connected sum of the knots K1 and K2 (ConnectedSum may not work with links).

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In[7]:= Ks = {K1 = Knot[8, 17], K2 = Knot[9, 32], K = ConnectedSum[K1, K2]}
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```
Out[7]:= {Knot[8, 17], Knot[9, 32], ConnectedSum[Knot[8, 17], Knot[9, 32]]}
```

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In[8]:= Factor[Alexander[#][t] & /@ Ks]
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$$\text{Out[8]} = \left\{ -\frac{1 - 4t + 8t^2 - 11t^3 + 8t^4 - 4t^5 + t^6}{t^3}, \frac{1 - 6t + 14t^2 - 17t^3 + 14t^4 - 6t^5 + t^6}{t^3}, \right. \\ \left. -\frac{1}{t^6} (1 - 6t + 14t^2 - 17t^3 + 14t^4 - 6t^5 + t^6) (1 - 4t + 8t^2 - 11t^3 + 8t^4 - 4t^5 + t^6) \right\}$$