

Pensieve header: Testing ConciseFastKh.

```
SetDirectory["C:\\drorbn\\AcademicPensieve\\2013-06"];
<< ConciseFastKh.m
```

Loading KnotTheory` version of February 5, 2013, 3:48:46.4762.
 Read more at <http://katlas.org/wiki/KnotTheory>.

```
EC[{{1, 2}, {2, 3}, {4, 5}, {2, 7}, {7, 6}}]
{{{1, 2, 3, 6, 7}, {4, 5}}, {1, 4}, {1 → 1, 2 → 1, 3 → 1, 4 → 4, 5 → 4, 6 → 1, 7 → 1}}
```

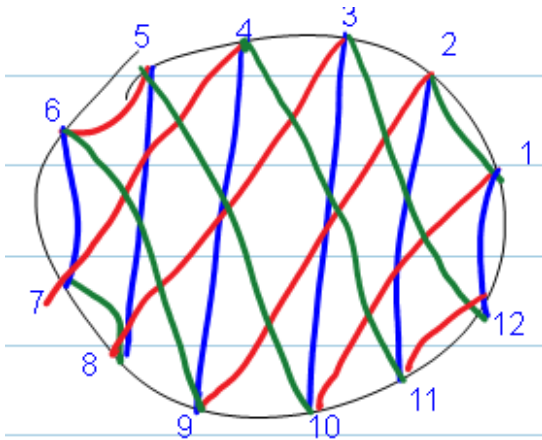
```
c1 = Cob[S[{1, 2}, {3, 4}], S[{2, 3}, {1, 4}], dot[1]]
Cob[S[{1, 2}, {3, 4}], S[{2, 3}, {1, 4}], dot[1]]
```

```
EC[S[{1, 2}, {3, 4}], S[{2, 3}, {1, 4}]]
{{{1, 2, 3, 4}}, {1}, {1 → 1, 2 → 1, 3 → 1, 4 → 1}}
```

```
{β = S[{1, 2}, {3, 4}], τ = S[{2, 3}, {1, 4}]}
{S[{1, 2}, {3, 4}], S[{2, 3}, {1, 4}]}
```

```
{S[{1, 2}, {3, 4}], S[{2, 3}, {1, 4}]}
{S[{1, 2}, {3, 4}], S[{2, 3}, {1, 4}]}
```

```
EC[β, τ]
{{{1, 2, 3, 4}}, {1}, {1 → 1, 2 → 1, 3 → 1, 4 → 1}}
```



```
{β = S[{1, 10}, {2, 9}, {3, 8}, {4, 7}, {5, 6}, {11, 12}],
τ = S[{1, 2}, {3, 12}, {4, 11}, {5, 10}, {6, 9}, {7, 8}],
μ = S[{1, 12}, {2, 11}, {3, 10}, {4, 9}, {5, 8}, {6, 7}]}
{S[{1, 10}, {2, 9}, {3, 8}, {4, 7}, {5, 6}, {11, 12}],
S[{1, 2}, {3, 12}, {4, 11}, {5, 10}, {6, 9}, {7, 8}],
S[{1, 12}, {2, 11}, {3, 10}, {4, 9}, {5, 8}, {6, 7}]}
```

```

{EC[β, τ], EC[β, μ], EC[μ, τ], EC[β, τ, μ]}
{{{ {1, 2, 5, 6, 9, 10}, {3, 4, 7, 8, 11, 12}}, {1, 3},
  {1 → 1, 2 → 1, 3 → 3, 4 → 3, 5 → 1, 6 → 1, 7 → 3, 8 → 3, 9 → 1, 10 → 1, 11 → 3, 12 → 3}},
  {{{ {1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12}}, {1},
  {1 → 1, 2 → 1, 3 → 1, 4 → 1, 5 → 1, 6 → 1, 7 → 1, 8 → 1, 9 → 1, 10 → 1, 11 → 1, 12 → 1}},
  {{{ {1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12}}, {1},
  {1 → 1, 2 → 1, 3 → 1, 4 → 1, 5 → 1, 6 → 1, 7 → 1, 8 → 1, 9 → 1, 10 → 1, 11 → 1, 12 → 1}},
  {{{ {1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12}}, {1},
  {1 → 1, 2 → 1, 3 → 1, 4 → 1, 5 → 1, 6 → 1, 7 → 1, 8 → 1, 9 → 1, 10 → 1, 11 → 1, 12 → 1}}}

```

```

{β /@ Range[4], τ /@ Range[4]}

```

```

{{10, 9, 8, 7}, {2, 1, 12, 11}}

```

```

VCLaw[β, μ, τ]

```

```

{{dot[1] → dot[1]}, {dot[1] → dot[1]}, 0}

```