

Pensieve header: Verifying invariance on the 10-crossing Andrey Khesin graph; see <https://github.com/AndreyBorisKhesin/RolfsenTable/>.

```
SetDirectory["C:\\drorbn\\AcademicPensieve\\2016-09"];
<< OneSmidgen.m
```

Loading KnotTheory` version of September 6, 2014, 13:37:37.2841.
Read more at <http://katlas.org/wiki/KnotTheory>.

```
t_ = t;
```

```
Table[Length@Get[ToString[n] <> ".m"], {n, 7, 10}]
{10, 80, 315, 1712}
```

```
tot = 0;
tab = Table[
  edges = Get[ToString[n] <> ".m"];
  k = 0;
  Table[
    ++k;
    If[e[[1]] != e[[2]],
      Echo[{{++tot, n, k, e} → Z[DTCode@@(2 e[[1]])] == Z[DTCode@@(2 e[[2]])] ∨
        Z[DTCode@@(2 e[[1]])] == Z[DTCode@@(-2 e[[2]])]
      ],
      {e, edges}],
    {n, 7, 10}
  ]
```

```
{ {Null, Null, {1, 7, 3, {{2, 4, 6, 5, 1, 7, 3}}, {2, 4, 6, 1, 7, 3, 5}}, Flype}} → True,
  {2, 7, 4, {{2, 4, 6, 7, 1, 3, 5}}, {2, 4, 5, 6, 1, 7, 3}}, Flype}} → True,
  Null, {3, 7, 6, {{2, 5, 7, 6, 1, 3, 4}}, {2, 5, 6, 7, 1, 4, 3}}, Flype}} → True,
  Null, Null, Null, Null}, {Null, Null, ... 77 ..., Null},
  {Null, ... 313 ..., Null}, {Null, Null, Null, ... 1706 ..., {1477, 10, 1710,
    {{4, 5, -8, -7, 1, 9, 10, -3, -2, 6}}, {3, -5, -7, 9, 8, -2, 10, -1, 4, 6}, 2-Pass}} →
  True, {1478, 10, 1711, {{4, 5, -8, -7, 1, 9, 10, -3, -2, 6},
    {3, 8, 6, -7, -9, 2, -10, 1, -5, -4}, Reidemeister 3}} → True, Null}}
```

large output | show less | show more | show all | set size limit...

```
Count[tab, False, ∞]
```

0

```
Count[tab, True, ∞]
```

1478

```
Count[tab, Null, ∞]
```

639

Total [Length /@ tab]

2117

1478 + 639

2117