(Alt) In[ ]:=
```
SetDirectory["C:\\drorbn\\AcademicPensieve\\Projects\\SL2Invariant"];
<< SL2Invariant.m
SetDirectory["C:\\drorbn\\AcademicPensieve\\Projects\\SL2Invariant\\k=2"];
```

```
Loading KnotTheory` version of February 2, 2020, 10:53:45.2097.
Read more at http://katlas.org/wiki/KnotTheory.

This is Profile.m of http://www.drorbn.net/AcademicPensieve/Projects/Profile/.

This version: April 2020. Original version: July 1994.
```

(Alt) In[ ]:=
```
$k = 2;
ħ = γ = 1;
$QZipFail = True;
Monitor[tab = Table[
    {n, type, k} = List @@ K;
    fname = "Data/" <> ToString[n] <>
      (type /. {Alternating → "a", NonAlternating → "n"}) <> ToString[k] <> ".m";
    Switch[FileType[fname],
     None, z = (K -> Timing[𝔼4@Z@K]); Put[z, fname],
     File, z = Get[fname]
    ];
    z,
    {K, Reverse@AllKnots[{11, 12}]}
   ], K]
```

(Alt) Out[ ]=
$$\left\{\text{Knot}[12,\text{NonAlternating},888]\to\left\{1410.18,\mathbb{E}_{\{\}\to\{0\}}\left[\frac{1-T-T^2+6T^3-11T^4+13T^5-11T^6+6T^7-T^8-T^9+T^{10}}{T^5},\right.\right.\right.$$
$$0,0,\left\{1,\langle\cdots 1\cdots\rangle,\frac{1-4T-10T^2+\langle\cdots 111\cdots\rangle+3890T^{76}+1924T^{77}-779T^{78}+100T^{79}}{2T^{39}}+\frac{a\left(\langle\cdots 1\cdots\rangle\right)}{T^{39}}+\right.$$
$$\left.\left.\left.\frac{a^2\langle\cdots 1\cdots\rangle}{T^{40}}+\frac{\langle\cdots 1\cdots\rangle}{T^{40}}+\frac{\left(\langle\cdots 1\cdots\rangle\right)xy}{T^{40}}+\frac{\left(55-297T+\langle\cdots 115\cdots\rangle+55T^{78}\right)x^2y^2}{T^{40}}\right\}\right]\right\},$$
$$\langle\cdots 2726\cdots\rangle,\text{Knot}[11,\text{Alternating},1]\to\left\{\langle\cdots 1\cdots\rangle\right\}\Big\}$$

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

This program notebook did the computation on ZBook X2, down from 12n888 to 12a1273.

(Alt) In[ ]:=
```
Exit[]
```