

```
In[ ]:= << KnotTheory`
```

```
Loading KnotTheory` version of January 20, 2015, 10:42:19.1122.  
Read more at http://katlas.org/wiki/KnotTheory.
```

```
In[ ]:= Ks = AllKnots[{0, 10}];  
Length[Ks]
```

```
Out[ ]:= 250
```

```
In[ ]:= Length[Union[Jones /@ Ks]]
```

```
 KnotTheory: Loading precomputed data in Jones4Knots` 
```

```
Out[ ]:= 243
```

```
In[ ]:= c[K_] := c[PD[K]];
c[pd_PD] := Module[{n = Length[pd], z, e, m},
  z = Table[0, {2 n}];
  e[j_] := ReplacePart[z, j -> 1];
  m = Join @@ ((List @@ pd) /. X[i_, j_, k_, l_] => {e[j] - e[l], e[i] + e[k] - e[j]});
  2 n - MatrixRank[m, Modulus -> 3]
]
```

```
In[ ]:= Union[c /@ Rest[Ks]]
```

```
Out[ ]:= {0, 1, 2, 3}
```