Collection

Graphs

Description

The number of induced subgraphs.

A subgraph $H \subseteq G$ is induced if $E(H)$ consists of all edges in $E(G)$ that connect the vertices of $H$.

Code

```python
def statistic(G):
    return sum(1 for k in range(1, G.num_verts()+1)
                for g in graphs(k) if G.subgraph_search(g, True) is not None)
```