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Collection

Graphs

Description

The cutwidth of a graph.

This is the minimum possible width of a linear ordering of its vertices, where the width of an ordering σ is the maximum, among all the prefixes of σ , of the number of edges that have exactly one vertex in a prefix.

References

[1] en.wikipedia.org/wiki/Pathwidth

Code

```
from sage.graphs.graph_decompositions.cutwidth
import cutwidth

def statistic(G):
    return cutwidth(G)[0]
```