

TOM SAWYER ANALYSIS

Tom Sawyer Software is the premier provider of customizable graph visualization, layout, and analysis systems. We help people understand relational data, enhancing the quality of their decision making processes.

Tom Sawyer Analysis products are a family of APIs that enable you to efficiently build applications that provide highly detailed analysis of relational data. Analysis applications provide mission critical assessments of data that help you make better decisions.

Our analysis libraries enable you to reduce the overall expense of building analytic applications and greatly increase your return on investment.

If you would benefit from increased comprehension of your networks, models, processes, dependencies, hierarchies, flows, transactions, interactions, or pathways, Tom Sawyer Analysis products can help you.

Tom Sawyer Software has an outstanding customer base in data management, energy, engineering design, financial services, intelligence, life sciences, networking, and software engineering.

Data Integration

Data integration is enabled through a batch loading facility. This facility is used to load objects, relationships, and attributes from databases, files, online systems, and applications.

FEATURES

Tom Sawyer Software is a prominent and trusted name in the industry because its products are functionally complete, flexible, mature, and well documented.

System

- ✓ Flexible component architecture
- ✓ Ease of integration
- ✓ Batch interfaces
- ✓ Support for various operating systems
- ✓ Support for various development
- ✓ Support for various browsers
- ✓ Compatibility with Tom Sawyer Visualization products

Graph

- ✓ Advanced in-memory relational model
- ✓ Efficient graph population, iteration, and traversal facilities

Data Management

- ✓ Attach custom properties to each object
- ✓ XML integration

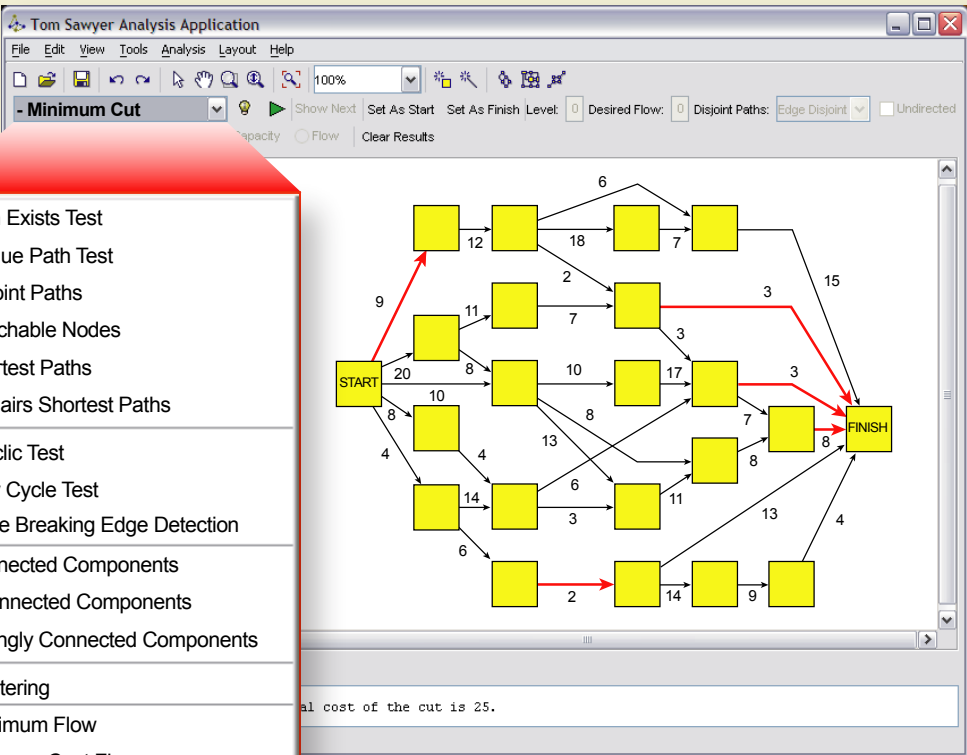
Analytics

- ✓ Clustering
- ✓ Dependency analysis
- ✓ Path analysis
- ✓ Flow analysis
- ✓ Impact analysis
- ✓ Network analysis
- ✓ Partition analysis
- ✓ Cycle analysis

Editions

- ✓ ActiveX Edition
- ✓ C++ Edition
- ✓ Java Edition
- ✓ .NET Edition

TOM SAWYER ANALYSIS DEMONSTRATION



The screenshot shows the Tom Sawyer Analysis Application interface. The main window displays a directed graph with a 'START' node on the left and a 'FINISH' node on the right. The graph consists of 15 nodes and 20 edges, each with a numerical cost value. A red path highlights the minimum cut, which is a set of edges that, when removed, prevents any flow from the start node to the finish node. The total cost of the cut is 25. A menu on the left side of the application is open, showing various analysis options, with 'Minimum Cut' selected.

Minimum Cut is one of the many algorithms provided in Tom Sawyer Analysis. This algorithm can be used to partition a graph. A "cut" is a set of edges that, when removed, creates a network that has no flow from the start node to the finish node. The algorithm minimizes the total cost of the cut according to the cost value for each edge.