What is Sinap?

Abstract graphs are used ubiquitously in Computer Science. They are a powerful utility for representing the structure of various algorithms. Sinap is an Open Source IDE that helps visualize, design, and interpret graph-based programs.

Debugging and Testing

Sinap supports interpreting and running input from the user on the graph along with a simple debugger for inspecting information about the internal state of the graph at each step of the computation.

<table>
<thead>
<tr>
<th>Input</th>
<th>Expected Result</th>
<th>Actual Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>11</td>
<td>true</td>
<td>true</td>
</tr>
<tr>
<td>110</td>
<td>true</td>
<td>true</td>
</tr>
<tr>
<td>111</td>
<td>true</td>
<td>false</td>
</tr>
</tbody>
</table>

Plugin Data Flow

```java
export class Edges {
    read: string;
    write: string;
    move: "Right" | "Left";
    destination: Nodes;
    private get label() {
        return `@{this.read};${this.write};${this.move};`;
    }
}
```