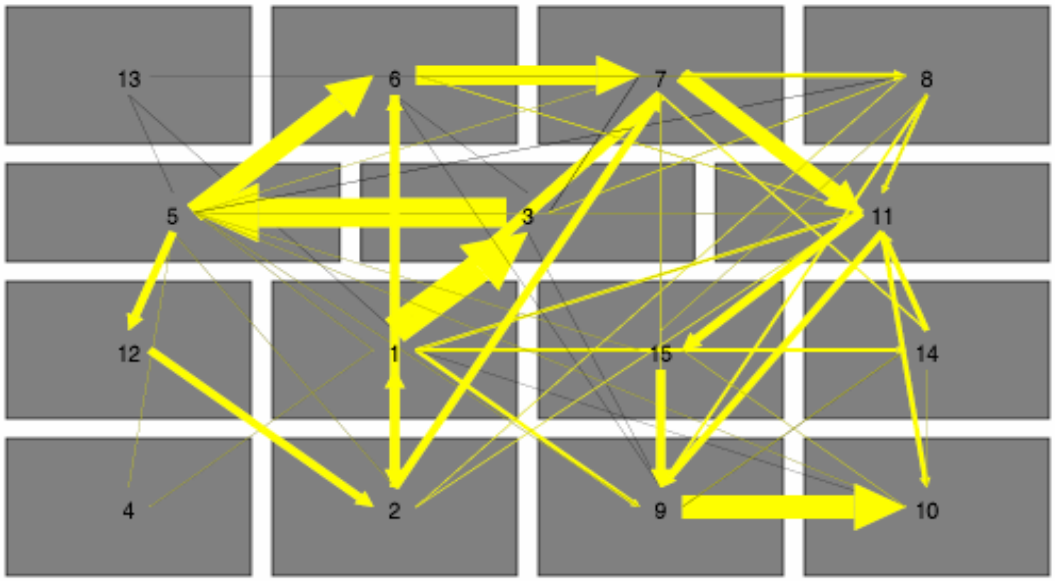$ Type Flow Diagram