```json
{
    "states":[
      {
        "id": "sa",
        "vals": [true, true, false]
      },
      {
        "id": "sb",
        "vals": [true, false,true]
      }
    ],
        "propositions": ["p", "q", "r"],
        "relations": [
        ["sa", 1, "sa"],
        ["sa", 1, "sb"],
        ["sb", 2, "sb"]
    ],
        "logic": "T"
}
```