

Pseudo-code

Beau De Clercq

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1 Pseudo-code

```
// All states are encoded as bitvectors with  $2^{(I+L)}$  bits
states = readStates(aig_file)
// The AND gates describe the transitions
transitions = readAnds(aig_file)
visiting = Set(states.getFirst())
visited = Set()
// Expand all states
while not visiting.isEmpty():
    for s in visiting:
        for succ in successors(s, transitions):
            visiting.add(succ)
            visited.add(s)
            visiting.remove(s)
// Check if the states that can be reached meet the requirements
checkProperties(visited, properties)
```