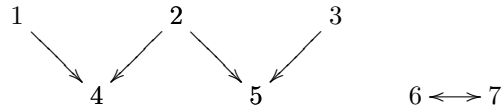
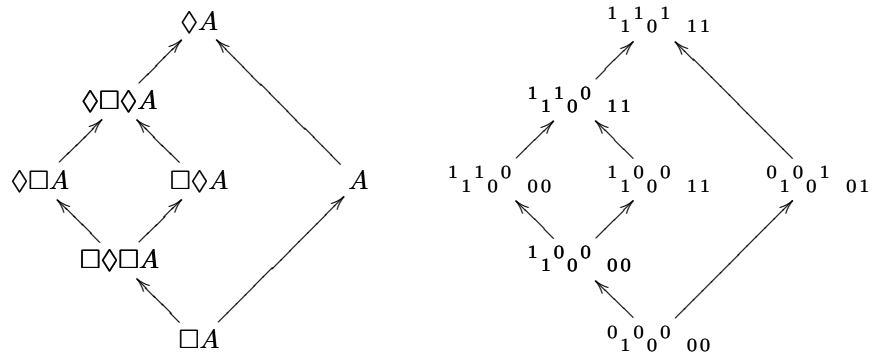


Let our Kripke frame (W, R) be the transitive-reflexive closure of this:

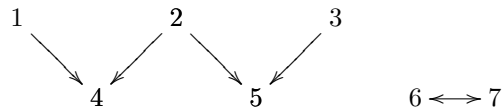


The diagram of S4 modalities from p.149 of Chellas and its values when $A = \{3, 4, 7\} \subseteq W$:

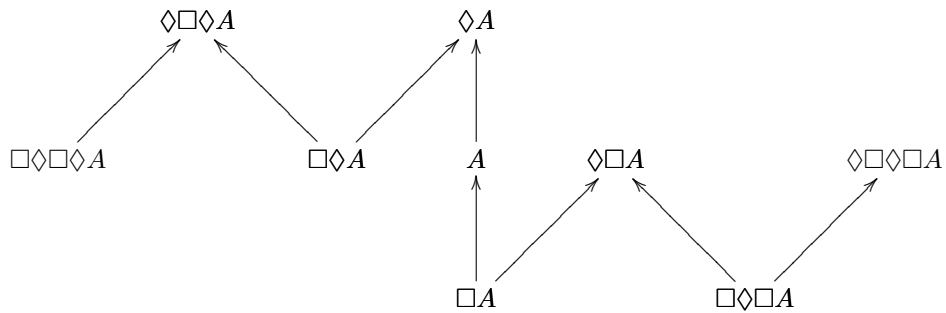


See: <https://groups.google.com/a/dimap.ufrn.br/forum/#!msg/logica-1/JxptOE1KnI0/h-ZX6qmvDwAJ>

Let our Kripke frame (W, R) be the transitive-reflexive closure of this:



These implications are easy to prove:



If $A = \{3, 4, 7\} \subseteq W$ we get some conjectures...

