

Build up of potential models:

$$C = \emptyset$$

$$C = \{T_{v_1}\}$$

$$C = \{T_{v_1}, T_{v_1} \cup T_{v_2}\}$$

$$C = \{T_{v_1}, T_{v_1} \cup T_{v_2}, T_{v_1} \cup T_{v_2} \cup T_{v_3}, T_{v_1} \cup T_{v_3}, T_{v_3}\}$$

$$C = \{T_{v_1}, T_{v_1} \cup T_{v_2}, T_{v_1} \cup T_{v_2} \cup T_{v_3}, T_{v_1} \cup T_{v_2} \cup T_{v_3} \cup T_{v_4}\}$$

$$C = \{T_{v_1}, T_{v_1} \cup T_{v_2}, T_{v_1} \cup T_{v_2} \cup T_{v_3}, T_{v_1} \cup T_{v_2} \cup T_{v_3} \cup T_{v_4}, T_{v_1} \cup T_{v_5}, T_{v_5}\}$$