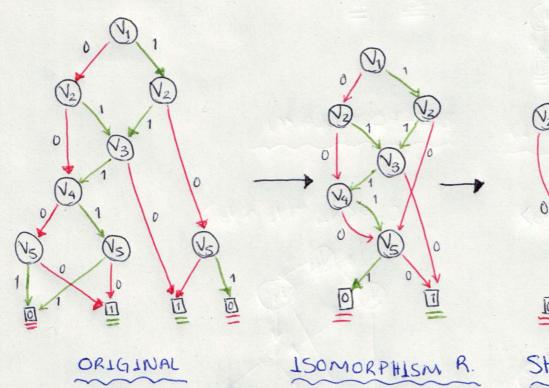
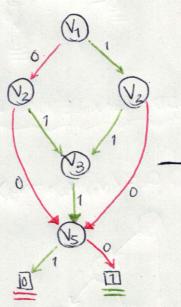
A. I. Planning- er165-Erick Rosete

Ex. 12 jb986-Jessica Balla

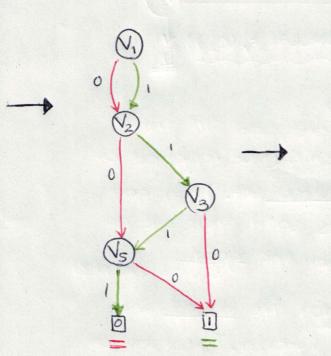
31.01.2020 j6986-Jessica Boya

Ex. 12.1

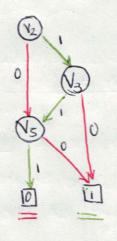




SHANNON R.



ISOMORPHISM R.



* X means consider states where var V->T and V-> F

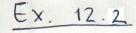
DNF (7 V3 A V2) V (V2 A V3 ATV5)

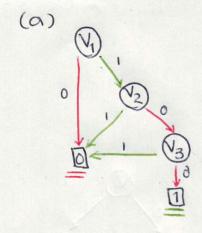
CNF (V2 V7V5) 1(7V2 V7V3 V7V5)

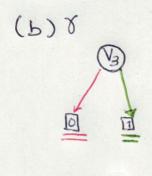
Set of States * X means don't $S = \{\{V_1 \rightarrow X, V_2 \rightarrow T, V_3 \rightarrow F\}$ $(V_4 \rightarrow X, V_5 \rightarrow X)$ $\{V_1 \rightarrow X, V_2 \rightarrow \Gamma, V_3 \rightarrow T, V_4 \rightarrow X\}$

ち→Fyy

SHANNON R.



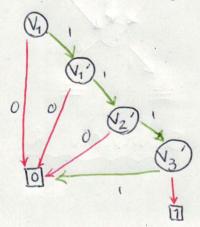




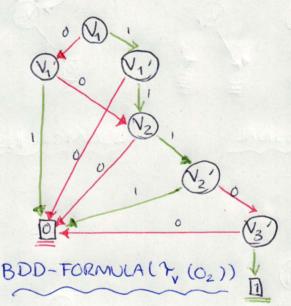
BDD-SINGLETON (1)

BDD-FORMULA(Y)

(C) Q= (V1, V2 17V3)



O2 = (N2, TN2 AN3)



BDD-FORMULA (TV(O1))

BDD-SINGLETON (1)

(d) We start at the initial State and add all the possible next States (those which can be reached by applying an operator) to a <u>visited</u> set. Then add to the set the reachable states until there are no new reachable states or reach the goal-BDD-FORMULA(Y)

To calculate the next states given the <u>visited</u> set we use the <u>image (visted, 0)</u> function. This function is calculated using the <u>transition</u> relation $T_v(0)$.

BDD-FORMULA($T_v(0)$)