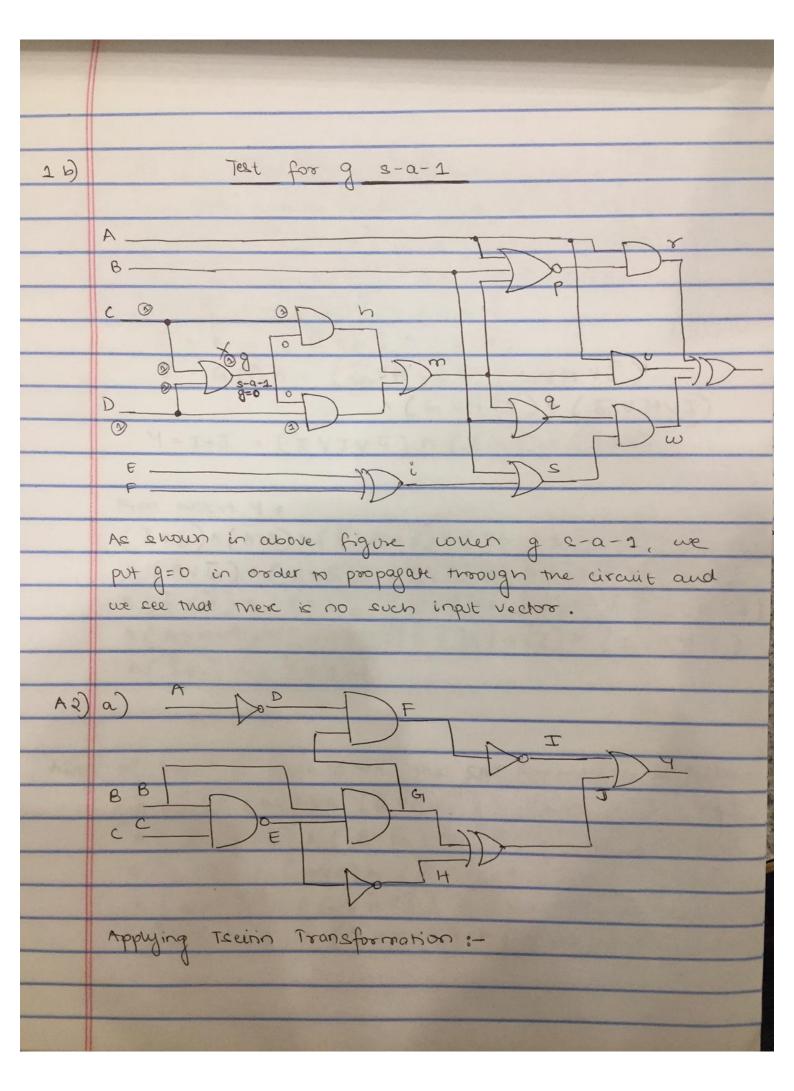


- · for or stuck at 1 we initially take or =0
- In order to allow or to change and output change be detected both u and w is made as a and following the circuit path The input vector is arrived at.



```
D = \overline{A} = (\overline{A}V\overline{D}) \wedge (AVD)
E = \overline{B}.C = (\overline{B}V\overline{C}V\overline{E}) \wedge (BV\overline{G}) \wedge (CV\overline{E})
G = BE = (\overline{B}V\overline{E}VG) \wedge (BVG) \wedge (CV\overline{E})
H = \overline{E} = (\overline{E}VH) \wedge (FVH)
I = \overline{F} = (\overline{F}V\overline{I}) \wedge (FVH)
I = \overline{F} = (\overline{F}V\overline{I}) \wedge (FVH)
I = \overline{F} = (\overline{F}V\overline{I}) \wedge (FVH)
V = \overline{I}+\overline{J} = (\overline{I}V\overline{J}V\overline{J}) \wedge (\overline{I}V\overline{J}V) \wedge (\overline{J}V\overline{J}V)
V = \overline{I}+\overline{J} = (\overline{I}V\overline{J}V\overline{J}) \wedge (\overline{I}V\overline{J}V) \wedge (\overline{J}V\overline{J}V)
```

. . Final output Y =

(AVD) V (BVENE) V (BVE) V (CVE) V (BVE) V (BVENE) V (BVE

ARB) of net Fis stock at one. The SAT formula is as follows:
(AVD) N (AVD) N (BVEVE) N (BVE) N (CVE)

N (BVEVG) N (BVG) N (EVG) N (DVGVI)

N (DVO) N (GVO) N (EVH) N (EVH) N (OVI)

N (AVI) N (GVHVJ) N (GVHVJ) N (GVHVJ)

N (GVHVJ) N (IVJVY) N (IVY) N (JVY) NY

| 3 | (AVD) N (AVD) N (BVCVE) N (BVE) N (CVE) |
|-------|--|
| | 1 (BVEVG) 1 (BVG) 1 (EVG) 1 (D) 1 (G) |
| | A (EVA) N (EVH) N (E) N (GVHVJ) N |
| | (GNHNZ) V (PNH NZ) V (PNH NZ) V (INZ NA) |
| | |
| | V(INA) V(ZAA) VA |
| | |
| A-200 | ABCDEGHIJY |
| 1200 | 1 2 3 4 5 6 7 8 9 10 |
| | 1 2 3 7 5 6 7 8 1 10 |
| | AVD -1-40 GVHVJ 67-90 |
| | |
| | |
| | |
| | CNE |
| | BVEVG -2-560 TVY -9100 |
| | BVG 2-60 Y 100 |
| | EVG 5-60 |
| | |
| | D 40 3+ is satisfiable, G 60 and input vector |
| | EVH -5-70 is DIO |
| | EVH -5-70 is 010. |
| | Ī -8 |
| | GVHVJ -6-7-90 |
| | |
| | |
| | |

(AVD) N (AVD) N (BV TV E) N (BVE) N (CVE) ARC) N(BVEVG) N(BVG) N(EVG) N(DVGVF) N(DVF)N(GVF)N(EVH)N(EVH)N(FVI V(ENI)V(PANI)V(PANA)V(PANA)V 1 (GVHVJ) 1 (IVJVY) 1 (IVY) 1 (JVY) ハリハテハミ Since the one F is stuck at 1, we put F as and to the SAT formula, also using path sensitization I has to be made 0 .. , I anded to me SAT formula. ABCDEFIGHIJY 3 4 5 6 7 8 9 10 11 AVD -1 -4 0 FVI 690 1 40 CVHVJ AVD -7-8-10 o BVCVE -2-3-50 9 VHVJ 7 8-100 avAVJ 7-8100 BVE +2+5 0 UNHVJ -7 8100 CVE 350 IVJV9 9 10-110 BVEV4 -2-570 2-70 王VY -9110 BVG JV4 -10 110 EVG 5 -7 0 DVGVF -4-760 110 DVF 4-60 -100 GVF 7-60 -60 EVH -5-80 ABC = 000 EVIH 580 -6 -90 we proce B=1=) ungs if we force C=1

