```
allignment;
      State
                 01
            00
                          11
                                10
            1,0
                4,0
            7,0 4.0
                          4,0
                                4:1
                  4,0
                                (,0
            7,0
                  2,0
                          6,0
                                7,0
            1,1
                  2,0
                                2,0.
                         2,1
   HW6>
  5.9:=
                     ab
               00
          00
      cd
         10
 ON-Let = } abid, abid, abid, abid, abid, abid, abid
abcd, abcd, abcd, abcd; abcd; abcd; abcd;
 (8(7) = abs ([X, + (s()(o, x2... Xn)].(x, +cs()(1, x2... Xn)))
2(a,b,c,d) = cd+ab+bd+oc+ad.
```

```
Cala-toda c+bd.
     f(1, b, C, d) = cd + b + bd + d

f(1, 0, C, d) = d + cd = d.

f(1, 1, C, d) = 1

f(1, b, C, d) = abs(b+1)(b+d)

f(1, b, C, d) = abs(bd+b+d)
s(a,b,c,d) = abs((a+b+d)(a+c+bd))
                    = 6+d
```

(S(J(a,b,c,d)) = QQQ $abs(\bar{a}\bar{c} + \bar{a}bd + \bar{a}b + \bar{b}\bar{c} + \bar{b}d + \bar{a}\bar{d} + \bar{c}\bar{d} + \bar$

5.9.2:-

= ? āc+bd+ad?

5.9.37

The lied of implicants will be the same as minimal implicants covering all on-set.

= %bdfad + ab + ac + cd ...

```
5.9.4%
    J. -> Static 1 with ac.

J2 -> dynamic 1-0 with ac

J3 -> dynamic 0-> 1 with ac

J4 -> dynamic 1-> 0 with ac.
5.9.5>
    5.9.67
    Ji -> (Sacy No phivileged aube

In -> { acy

In -> { acy

In -> { acy
5.9.7% no illegal intervection on priveleged carbe.
          Phir Cube Start Sublube
                                  Electron abid
              ac
ac
                                        abcd
                                      abcd
                                    DHF
                                     yes
                                     yes
                                   yes
                                     no.
                                     yes
                                     yes
                                     yes
```

5.9.8: ad .cd -alod āc ab bī a.c aid -abc abcd ab C _acd = 2 ac + ab + abd + ad } 5,10% ab 00 cd on-set = 2 ab, 6c, acd 3 = ? ab ed, ab ed, ab ed, ab ed, ab ed 5,10,1, ab +6c +acd.)(a,b,o,d) = h(a,b,1,d) = ab+b+ad g (a, o, 1, d) 2 ad. g (a, 1, 1, d) abs ((b+ad)(b+1)) = abs (b+abd+ad) = 6+ad (a, b, c, d) = abs ((c+ b+ ad) (c+ ab)) =abs(abc + bc + ab + acd +) J(a,b, G,d) = 7 6c+ ab+acd}

```
5.10.1 => { ab, bc, ācdy.
 5.10.2 => ab
                     -6c
                            acd
    Cabed
    (ab cd
               0
  ab ca O
                    0
                            O
     ab cd 1
   at cd 11
     at cd
         = 2 bc, ab, acd?
5.10.37
      the lift will be same as

Expering all cavering implicants
of on-set

= 2 6C, ab, acd?
5:10-4
       J1 -> dynamic 0->1 With ab
J2 -> dynamic 1->0 With abd
J3 -> dynamic 0->1 With a.
5.10.57
          aguined cubes:
```

5.10.6: Privileged cubes Ji -> No phiveles ab Je -> ab d 5.10.7' DHF- prime implicants. Phiv. Cube était lublembe. abca6.6d DHE prime, NO (illegal) abt NO -abc to (illegal) ābcd abed = 3 ab, ābC, ābcd? 5.10.8> ab ābc ābcd abcd = 2 ab, ābc, āb, cd?