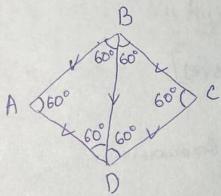
NI

B(x,y,z)=1 <=> x,y,z-nexat no ognoù upanoù, npuren y nexut mexqy x u z

$$D(x,y,z,u) = 3 \iff g(x,y) = g(z,u)$$



< ABC = 60°+60° = 120°

Q(A,B,C) = -B(A,B,D) &-B(D,B,C)& & D(A;B,B,D) & D(A,B,A,D) & D(B,D,B,C) & C & D(B,D,D,C)

```
G= <P,QR>, T= <3,3,3>
 T[(x,y,z) & [Q(x,y,z) & P(x,y,z)]
 1. Cumbonu P, Q, R ABA. npegunoitmuna. T.n. on a maxogatu
 & coct. Nozur. Borporkenuse, "puteumator ztrave. " o'uno "I'
 в завижимости от свиих аргументов и показиванот
 2. Sn(5) = 2", 2", 2" = 8"
                                                            41]
 3. Mogopopregnos: P(x,y,z), A, ,Q(x,y,z) R(x,y,z), 3 wit
                                                             RIC
4. Kx 3y 3 z [P(x,y,z) & [Q(x,y,z) < > R(x,y,z)]
f (p,q,r) = p& [q = n]
p=1 => q (-> r=1 => q=r= { => 2 Borpuormroc
p=0 => f(p,q, r) = 0 => 0 borpuant.
 Vx 34 3 = [ P(x, y, z) & [ Q(x, y, z) <-> R(x, y, z) =
= +x -1 ] y ] = [P(x,y,z) & [Q(x,y,z) <-> R(x,y,z)] =
= 4x - 4y- 4=[P(x,y,z)&[Q(x,y,z) <> R(x,y,z]]-
               8"-2"
                  (8 - 2 n) n
           8 - (8 h - 2 h) n
         (8n2-(8n-2n)n) n
```

 $M_{n}(A) = (8^{n^{2}} - (8^{n} - 2^{n})^{n})^{n}$   $Y_{n}(A) = \frac{(8^{n^{2}} - (8^{n} - 2^{n})^{n})^{n}}{8^{n^{3}}} \xrightarrow{n \to \infty} 0$   $5. U = \{a, 8\}$   $J \times = y = Z = a \Rightarrow P(a, a, a) & [a(a, a, a) \leftarrow > R(a, a, a)]$   $J \times = y = Z = b \rightarrow P(B, 6, 6) & [a(b, 6, 6) \leftarrow > R(b, 6, 6)]$   $I \times = y = Z = b \rightarrow P(B, 6, 6) & [a(b, 6, 6) \leftarrow > R(b, 6, 6)]$   $I \times = y = Z = b \rightarrow P(B, 6, 6) & [a(b, 6, 6) \leftarrow > R(b, 6, 6)]$ 

V × 3 y 3z tame 40 A = 1 => npega. A Bunomumo

А ме общезначима т.к. майдутся интерпритации при которых A ложно

6. Drac npegn. A bunonwaretux 3000 n 0-1, T.K. cuzno Typor of the cogepxut apytik ishoneanothinx in mynomes hpegukorthunx cumbonob.

```
5 = < P, R> T = < 1,27
 T=(T1, T2>
 [1= Yx [P(x) Y ] y R(x,y)]
 [2 = 3x [ -1P(x) & Yy R(x,y)]
 A = \forall x [\neg P(x) \lor \exists y R(x, y)]
= [(v,x) AvEr & (x)]x = [(v,x) AvE V (x) G] - x E = Ar - 9(t)
(2) P T+
                                      = 7x[p(x)& Hy-R(x,y)]
(3) 0 F2
(4) & P(a) & Yy - R(a, y) u3 (1) npax = a
(5) 0 - P(a) & Yy R(xx,y) uz (3) npux=9
(6) o P(a) uz (4)
(7) 0 4 4 - R(a; 4) uz (4)
(8) $ 44 R(a, 4) u3 (5) npotubop. c(4)
(9) 6 - P(a) u3(5) npotubop. c (6)
Bre Betbu zadnokup. npotubop. => noctp. gepeb. gov
=> [ FA
```

N5 J=<P,Q,R> T=<1,1,1> A = 3x yy[P(y) -> [Q(x) & R(y)]] = 3xyy[-P(y) V[Q(x) & R(y)]] = = 4y [-P(y) V ]x [Q(x) & R(y)]] = 4y [-P(y) V- 4x - [Q(x) & R(y)]] = = Yy[ -P(y) V [ - Xx[ - Q(x) V - R(y)]] / = Yy[ -P(y) V - [ - ] x Q(x) V - R(y)] = Yy [-P(y) V 3 x Q(x) & R(y)] = Yy[-P(y) V 3 x Q(x)] & [-P(y) V R(y)]= =[Kg[7PG)V3xQK)]&[Kg[7PG)VRG)] =[Kg7PG)]V[XQX]& &[+4-1Py) V +4 Ry)]  $\forall y = P(y)$ ,  $5 \Rightarrow \forall x Q(x) = \neg \forall z Q(x)$   $\downarrow 1^n$   $\downarrow 1$ 83=1, -20 81 = 1 -> 0 8, [1 V2] -20 Yy R(y) L I 8n[3 V4] -20 84 -n -20 8n[6 85] -20