Tugas pertemuan 1 Georgia Sugisandhen -535230080

1. Diket = p = F , q = T , r = F

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Dilanya = nilai kebenaran 7 (pvg) 1 (7pvr) 1 (9->r)

Dyavab: 7(FVT) 1 (7FVF) 1 (T-7F)

: 7 (T) A (TVF) A (F)

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> FATAF

= FAF = F

- 2. Diker = D: humpunan bilangan real

  P(x) = untuk sehap x, x2 > x

  Ditanya: nilai kebenaran Yx P(x)

  D. jawab = Salah karena untuk x = 1, x2 = x

  = sehamunya 3 x P(x)
- 3. a. diketahui = premisės 7919, r->p, 7r->s, dan s->t konklusi t

ditanya = valid /no.

dijawab: 1. 7p19

2. To simplification dan 1

3. r -> p

4. Tr modus tollons dan' 2 dan 3

5. 75-75

6. S modus ponens dan 4 dans

7. S-76

8. E modus ponens dan 6 dan 7 argumen valid!

b. dilcetahui = premues 7p Vr, 7r Vq, dan p ditanya: kontclusi premues

dyawah = 1. Tpvr

2. 7r vg

3. Tp va resolution dan Idan 2

4. P

5. 9 disjunctive Syllogism dan 3 dan 4 maka konklusinya adalah 9

 $4. a. \frac{1}{1.3} + \frac{1}{3.5} + \frac{1}{5.7} + \dots + \frac{1}{(2n-1)(2n+1)} = \frac{n}{2n+1}$ 

P(1) = 1 (2.1-1) (2.1+1) (2.1) +1

1 3 = -3

Cheorgia Sugisandhea

$$P(L) \rightarrow P(L+1) = \frac{L}{2(L+1)+1} + \frac{1}{(2(L+1)+1)}$$

$$= \frac{(L+1)}{2(L+2)+1} = \frac{L}{2(L+1)+1} + \frac{1}{(2(L+1)+1)}$$

$$= \frac{(L+1)}{2(L+2)} = \frac{L}{2(L+1)} + \frac{1}{(2(L+1)-1)(2(L+1)+1)}$$

$$= \frac{L+1}{2(L+3)} = \frac{L}{2(L+1)} + \frac{1}{(2(L+3)-1)(2(L+2)+1)}$$

$$= \frac{L+1}{2(L+3)} = \frac{L}{(2(L+3)-1)(2(L+3))}$$

$$= \frac{L+1}{2(L+3)} = \frac{2(L+1)(2(L+3)-1)}{(2(L+1)(2(L+3)-1)(2(L+3)-1)}$$

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