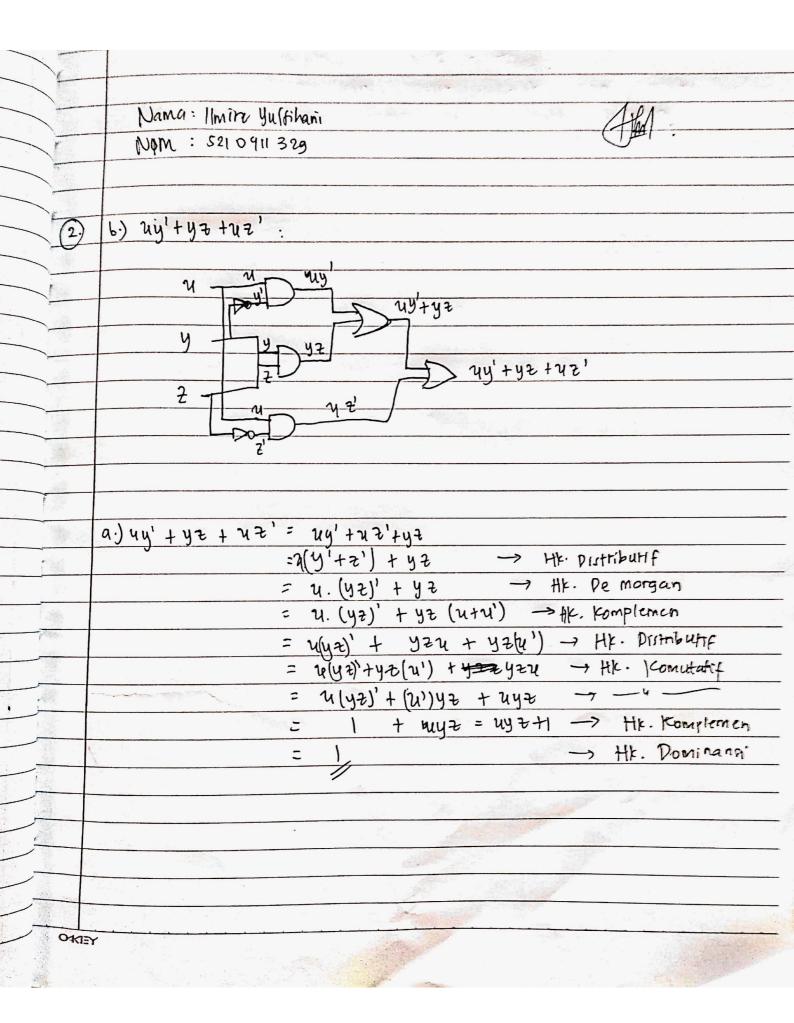
Dato
Jawaban:
[if P then (O and P) else [(nota) and s] If and only if [if O then (Pand P) else
[(not P) and s]
Metode Falsifikasi:
Andaikan permataan FALSE, artinya memiliki a kemungkinan:
a.) [if I then (O and F) else (not a) and s] = True dan
Lif a then (Pandr) else [(notp) and s] = False, atau
1.) Cif p then (land 2) else [(not a) and s]] = Faire, dan
[if a then (P and P2) else [inot P) and s]] = True.
1.) (if P then (Q M P) else [(not Q) M s]] = True, make memiliki kemungkinan:
1) & Ferganya true. P = True, (QAR)=True, [(not Q)As]=True, maka
[P=True], Q dan R = harur : True] jika Q True maka [(no+Q) 15] = False.
Jerjani kontradikri (T)
2) [P = True), (Q Me) = True, (not Q) As = False, make Q = True dan
P=True S=True
Masukan ke -> (If T then (TAT) else [hot T) and T]
= IL Then T else F = True, Terjadi kontradiksi (
3) P = False, (QAP) = True, (not Q) 15 = True make, untuk menghanil
lean QAR = True, Qdan R = True dan True, maka (no+ a) 15 = False.
Terradi (contraditi) (T)
4.) P. False, (QAP) = False, (not Q) As = True. Make supaya
Inot Q) As = True, Q = False S=True dan make P = bira F/T
Masukkan te -> [4 (F) then (F / F) clse [(not F) & / T)] -> P -> False
= if F then F else - T = True. Trjadi læntráticsi
Fergan demittan, Totaline Para True
1 - Then (TAT) else (Inst F) AT) -> P => True
= if F then F else T = True-Tegadi kontradiki
b . I william TUT VT VT = True.
1) (is puen (10 and f) else [(not Q and S)) = taile, mention females than
1.) P = True, Q and P = Falce, (not Q) 15 = True, make supaya
1) F - ITUE (Q and F - True harus Q = False S = True , make F = T/F)
(not Q) 1/5 = True harus Q = False S=\frue T, rection F= 1/F) Mamkkan ke -> if F then (T 1 +) else ((not T) 1 +) > P=7 T
Mamkkan Re - 14 4 then T elic F = False. Turqadi kontradilsi (
= 17 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
C lin T = Dilan land le l'abrelle [7]
2) P= True), Q and P = False, (not Q) and s = False, make jik(Q = True)
Proceeding Karet F then (FAT) - I,T,T,F - T,T,F

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	Masukkan ke pernyataan b. Kedua:
	1.) if T then (TAT) else (mot T) AT)) = True -> Karona True
	2) SF T then (TAT) else (not T) A FI) = dan tidak
	3.) If T then (TAF) else ((not T)AT)) = per tergadi
	3.) If T then (TAF) else ((not T)AT)) = per tegadi a.) If T then (TAF) else ((not T)AF) = per tegadi contradits: (F)
	Pengan demikian pernyahan dan 2 (a, b)
	makn TVF = True.
	Pernyahan hans dibalik dan hans diingtar.
	seningga. pernyahan tersebut VALID.
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Nama: Ilmira Yulfihani NIM: 5210411329



3)	f(w,u,y,z)= & m(0,2,4,5,6,7,8,10, 13,15)						
	a.) SDP:						
	f(w, 4, y, z) = w'a'y'z' + w'ayz' + w'ayz' + wayz + w'ayz + w'ayz +						
	f(w, 4, y, z) = w'a'y'z' + w'dyz' + w'dyz' + w'dyz + w'dz +						
	b.) Pela Karnaugh:						
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