SUBJECT: Dennis Cocarge Port Prod D. p3...p5 -> Warto = 1 Do Wento = 1-773. -- 85 D3 P3. P5 (>) Wants = 1 and 93. 95 (>) Wants = 1 D4 7(P4 194) Proof of the D. p3...p5 -> Wantp =1 03...75 TE False, 60 D. 1. 9 doesn't metter precente it doesn't 3. p2->p3 p3...p5 is true and p3->py doesn't change want D. Still wantp = 1 is true 5. pu-705 doesn't change wantp. still 6. P5-> P1 P3...P5 recomes False Therefore II, is true

Homework 3

SUBJECT: DATE: / /
Proof of D. (wontp=1-) p3p
Bue Case
went $p=1$ is false so $\Phi_{\delta}$ is
Inductive Step
Whenever we change works to equal I in the program, be must be within p2 P5. Whenever wants!=1, Its is frue
Therefore Ds is time
with \$\P\$ and \$\Partial being true by declucted \$\Q\ is symmetrical to \$p\ and com be assumed to work w/ above \$proof.
Therefore Is is true
P3 P5 (→ Wantp = 1 93 95 (→ Wentq = -1

SUBJECT: DATE: / /
Proof of Dy (ME)
Contraditation: Assume P4 194
((441) P3-774, 94
p3 your implies that wanty = -1  wanty
To order for op to he at all, Want 12=11 working =-1. This breaks  B3
sque 1996 as casel but missoned
End of proof by contradiction
By must be the and ME is