Sean Carter 10/12/16 to CS HWII 1.1) 1. p > q (assumption) 2. p > r (assumption) 3. p > q / r (conjunction) 1.2) 1. p > qvr (assumption) 2. p > QV~r (assumption) 3. P7 (&Vr) 1 (&V~r) (& uestion 1.1) 4. P7 ((&Vr) 1 & V ((&Vr) 1 ~r) (distributive) O) AND STATE OF THE STATE OF SAIN WAS WARES VERNING KON 5. p > ((frq) v (rrq)) V ((frr) V (rrr)) (distributive) 6. p> (g v (rrg)) V ((grr) V (rrr)) (idempotent) 7. p> (qv(r1q)) V ((q12r) VF) (negation) (identify) (4 v(r/14)) V (4 1~r) 9. P> & V (8121) (absorption) (absorption) P + 4 10. 1.3) p Ø () 0 0 0 - others are impossible Lucks like: F Pa then of 1r

1.pV(&1~(r1(5+t))) Conditional 2. pv (41~ (r1(~svt))) Le morgan 3. pv (4 1 (~r V~(~svt))) 3. pV(all(nrv(slat))) de morgan 4. pV (QA ((nrVs) A (nrVnt))) distanting 5. p V ( 4 N ( ~ &V 5) N ( nrVnt) ) aggentine (PVB) A (PV (rrvs)) A (PV (rrv-t)) dom (pv9) 1 (pv~rvs) 1 (pv~rvnt) ~~~~~ PEFFISIE Gatisfiable (ex. pistrue) Alland aske- To do this algor, them may is not. short certificates since to you have to Reer sear I combinations & untill me work. I used one to verit my randon guess, & Petrue, however - I oust had to Check of + hat sofic Fies all conditions.