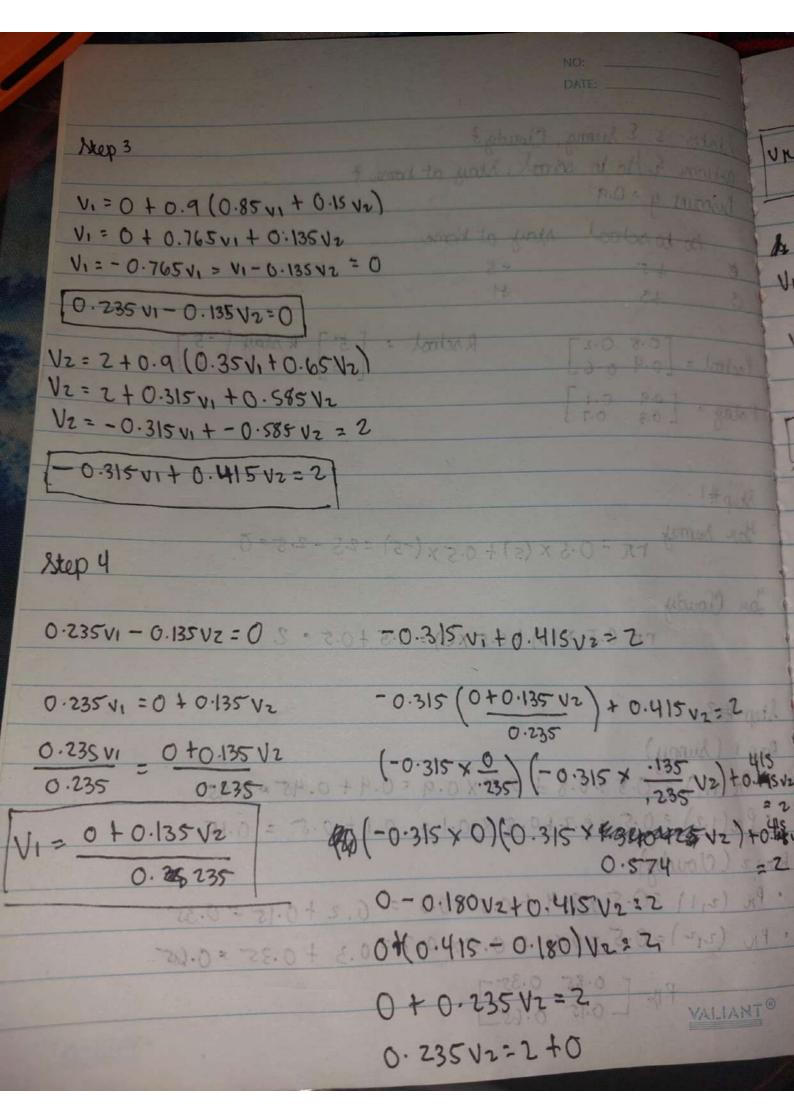
States 5 & Surma, Cloudy 3. action. & Mo to school, stay at home } Discount y = 0.9 to to school stay at home Potay = [0.9 0.1] Step#1 For Surrey +π = 0.5 x (s) + 0.5 x (-5) = 2.5 - 2.5 = 0 Loudy Cloudy rn 0.5 x (3) + 0.5 x (1) = 1.5 + 0.5 - 2 Step # 2, 2100 4 (50,281.0+0) 218.0-2 N. 381-0 + 0 = 1A Pr (111) = 0.5 × 0.8 + 0.5 × 0.9 = 0.4 + 0.45 = 0.85 Row 1 (Sunny) · Pr(1,2) = 0.5 x 6.2+0.5 x 0.1 = 0.1 + 0.5 = 0.15 Row 2 (Cloudy) · Pr (2,1) =0.5 x0.4 +0.5 x0.3 = 6.2 +0.15 = 0.35 · Ph (212)=0.5 x 0.6 + 0.5 x 0.7=0.3 + 0.35 = 0.65

+35513550



Un (cloudy) = 2+0 0.235 0.235 VI = 0+0.135 V2 0.235 0+1-148 01-1-148 06-0-V1= 0+0.135 (8.510) 0.235 Vr. (Sumy) = 4.885 36 × (2) = - (200 x 6 - 6.428 Step 5 V*(surry) = 000 + 0.9 (0.8 v, +0.2 v2) Jan grand V*(Cloudy)= 3+0.9(0.4vi+0.6Uz) Es to 522 0 + 82 Surry: V1 = 5+0.72v1+0.18v2 481229. 428 V1=0.72 V1 - 0.18 V2= 5 0.28 V1 - 0.18 V2 = 5 Cloudy: V2: 3+ 0/0/2 0.36 V1+ 0.54 = - 0.36 v, + 0.46 V2 = 3

0.229

step 6 (Surry)

5+0.18 V2

V1 = 5+0.18 × 41.170

0.28

0.28 0.28

Vy (Surry) = 44.32

W# (Cloudy) = 41.170

540-970-8

5+0.97081

5+0.9 (0.8(44.32)+0.2(41.170)

Step 7

· 9(1, Achool) = 5+0.9(0.8 v.+ 0.2 vz) = 44.32

· 9 (1, stay) = -5+ 0.9 (0.9 v. + 0.1 vz) = 44.604 34.604

· 9 (2, Achad) = 3+ 0.9 (0.4 v, + 0.6 Vz) = 41.470 42.604

· 9 (2, stay)= 1+0.9 (0.3 vit 0.7 Vz)= 38.903