P(m)=max{Pq(m), Pq(n-w/y)+P(q)} fn (m) = max {fn-1 (m), fn-1 (m-w(n)+
p(n)} x = {0000} x=0/1 x=1 $S' = \{(0, w)\}^{2} + w = \{2, 34\}^{2}$ $S' = \{(0, 0)\}^{2} + \{(1, 2)\}^{2}$ $S' = \{(0, 0)\}^{2} + \{(1, 2)\}^{2}$ * start from 4 * 1 2 | xg=1 xg=1 xg=1 12-0/3/2-1 0000 0 40 0000 5= {(0,0), (1,2)} 5 = {(2,3), (3,5)} my: 5= {(0,0),(1,2), (2,3),(3,5)} $S_{1} = \{(5,4), (6,6), (7,7), (8,9)\}$ Cy we now, tart with 5= { (0,0), (1,7), (2,1), (7,4), (64,6,7)} weight=9 the 4th object (54) to. (9p=1 see wether to include it distard or not in {0,0,0,03 so - weight increase Out profit decrecip we look at the last order not fealable is impossible, we pair in s = (P,8), check can discard (3,5) x if its in s3, it is not 5 ? = { (6,5), (7,7), (8,8), (149) so that means that (8,8) su= {(0,0), (, 2), (e, 7), (5, 4), (6,6), (7,7), (6,5) (7,7)(8))} was only added as part of * merge in lostorely and include s4, therefore, include it = { (0,0) (1,2), (2,3), (5,4), (6,5), (6,6), (7,7,6)} (0,0,0,1), but then m=8, (8-6,8-5) = (2,3) check for sease -check so if (2,3) exists made became itneight increase, There has to be but we did not get a profit in crease in in 19 upon merging we got it in 52, so don't include s? { O,0,0,18 but it is included as set 20,1,0,18

subtract (2-2, 3-3) = (90) but because it was also in so ob), denot include s'. so we are done: {0,1013 Markethold of Jane 1 AND THE PROPERTY OF THE PARTY O and the second second Andrew The Mark State St (1) (1) (2) (2) (2) Brattpht warmy tot or 1944 A (2) 12 - 3 (2) 12 - 3 (2) 12 - 3 (2) and when which we 12 E 2) (4 25 C 4) 6 D (6 9 (8 1) (9 2) = Charles Server the colored (190) at the dist A Commence of the town of the particular Land Achieva by some and the way s , so don't instrude se (Co O) tax is and who will story at