weight = {2,3,33 Profit = 81,2,43 1 0 00 of w (i) > w Put: in[i][w]=0 M[i][w]= man[m[i-1,w], (m[i-1,w-w[i])+P[i]) m[1][2]=man[m[0,2], [m[0,2-w[1]]+P[1]) => man [m[0,2), (m[0,2-2]+P[i]) => (m[0,2], (m[0,0]+1] => (010+1) m[1](2) => 1

$$m[1, Y) = man(m[0, Y], [m[0, Y-2]+1)$$

 $\rightarrow (0, (m[0, 2]+1)$
 $\Rightarrow 1$

m[1,5) à m[1,6) bash have 2

m[2,3)= man(m[1,3], (m[1,3-3]+2) =>man(1+(m[1,0]+2) => man(1,0+2) => man (1+2) 2 m[2, 4] = max[m[1,4],[m[1,4-w[2]+P[2)m(2,4)= man (1, m[1,4-3]+2] man (1/m[1/1]+2) => (40+2) m[2,5)=man/m[1,5], (m[1][5-w[2]]+P[2) =>man/ 1, m[1,5-3]+2) (1, m[1,2]+2) (1,1+2)

m[3,3)= man[m[2,3], (m[2,3-3]+4]

man(2, m(2, 3-3, (m(2, 3-3, man(2, 3-3, man(2, more)))

man (y)

m [3,4)= man[m[2,4), (m[2,4-w[3]+P[3])
man(m[2,4), m[2,0]+4)

man (2,0+4)

=> 7

m[3,5)= man (m[2,5], (m[2,5-w[3)]+13)

man (3, [m[2,2]+4)

(3,0+7)

m[3,6)= man (m[2,6], m[2,6-w[3]+P[3) =>man(3,m[2,3]+4) man (3/2+4)