0/1 Knagsack Problem P= {6,5,7,8} m=5 P1-16/5/3/8 Recursion w= {1,2,1,2} «X4 « 19 0 147 191 - Draw Tree! 000 16 cossibilities int knap (inta, intam) { if (n = = 0) { m = 0) { return 0; if (w[n] <= m) { int not-included = know (n-1, m); (1) (1)
int included = know (n-1, m-w[n])+ptological
int included = know (n-1, m-w[n])+ptological look at arrows 1101 optimal re turn (not_included? included? not included: included; K K, K, Y 3 else f return knap (n-1, m): $P_{X_1} + 0 = 6$