Fundamentele programării

Problema Backtracking 1) mayrami RAC ARC CAR CRA soldie consistula Conditie solutie solutie condidat $x = (x_p, \dots, x_p)$ $x = (x_{k}, x_{k})$ $X = (X_0, ..., X_K)$ consisting dace sal dacé x consistent x; = (0, 1, ..., lung cuv.) +;,; , i +; x; +x; și K=n-1 -x, : A, A, A, 5:2 5 7 £ : 6 8 12 (V1) durata cea moni mice X (V2) act corese termina al mai rapid A, As

rai	cliona	X Kn	rapsack				
			<u> </u>				
+	1	2	3				
kg	16	ره	30		- 		
				+	trudy	,	
<u>\$</u> ↓		100	120		1339		
napot	6	5	7				
Ruc	5ac -	- mas	c 50 Kg				
				a . A			
		1. 1	oks =	0 60 \$			
		mo	ax 40 Ks) => 160 \$			
		2.	zo ke	× 1604			
			7	***************************************			
		Ma	×20 kg	,			
					7 1	4104 =	- 0 / 0 At
		J.	20 .3	$=) \frac{20}{30}$	7 7	<i>x</i> 60 # -	240\$
		mo	x oks	,			
				'			
0- 4	k	I					
0- 1	ING	ns sac					
		2.	3 4	5			
,	2	2	6	<u></u>		V	
kg	2	/	e - /	$\bot\bot$	Bog	Dim	
	20	40	> 0 7	5	U		
D _A	ncsac	× 00	nex 10	Kg			

I

P = 5x 5 x ... x 5, $SL(X_1, ..., X_m)$, $X_i \in S$ $\forall i \in \S$ 1, and $\sum_{i=1}^m X_i = sum$ Solution

Can (X, ,..., X_K) , K<n

1P1 = m

l Ex; < sum

Problema 6 Backtracking Spaliu de cautaru L = [a, ... a,] , d & IN* $IP(L) = {x \times x \subseteq L}$ Solution $(\alpha_{i}, \ldots, \alpha_{k})$, $K \leq m$, $\alpha_{i} \in L$, i = 1, m $\left(\sum_{i=1}^{k} x_{i}\right)^{0}/_{0} d = 0$ (a,,...,ak), K<m,a,aj∈L,a;≠aj,i≠j Spațiu de cautore S=[(', ')'], MCIN/M1/-2=0 $(=(X_1,...,X_K), K \leq M, X_i = '(',i=1,K > X_j = ')' = 1,K$ cond $\{X \subseteq C, x \in X, x = ('3 \le m/2)\}$

Spation of, cautore

$$S = [[(1, 1)^{2}, 1]^{2}, 1]^{2}, 1$$
, $M \in [N], M^{2}-2=0$

Candidat

 $C = (X_{1}, ..., X_{K}), K < M, X_{1} = '(1, V \times_{1} = 1, K > X_{2} = 1)^{2}, V \times_{2} = '3^{2}, J = 1, K, cond $\{X \leq C, x \in X, x = '(1, V \times_{1} = 1, K > X_{2} = 1, K, x = 1, X_{2} = 1, K, x = 1, X_{3} = 1, K, x = 1, X_{4} = 1, X_{4} = 1, X_{5} = 1$$