FREEMIND

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-	The same of the sa	760
	woreal	14
	worker	1

Greedy approen, Backtracking

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211040	39

DI	Given	n=5
4	-	N= 60 kg

0	Bı	B2	B3	Вч	85
Weight	5	10	15	22	25
Prius	30	40	45	77	90
Prul/wt	6	4	3	3.5	3.6

## B1 > B2 > B5 > B4 > B3

(81)	60-5	Price = 30
Wt	55	

(Pa)			
2 Wt	45	Price	= 30+40

23 )			
Wt	20	Print =	30+40+90

Wt 
$$\frac{1}{20 \times 3.5}$$

Date 21104039 Page -\* included to stream > Oz using namuspace std; int main () intn; Cout co "Enter number of cour"; cin >> n; int coin[n]; for (int 1-0; icn; i++){ Cout << "Enter "ai+) 12" th coin "com for lint i =0; icn sitt) forcentj=0;jen;j++) ig lam [i] can [j] int t=am[i]; anli]=anli]; an [i]=t; intant; Cout << "Enter amount"; lin >>amt;

	Date
	fint min_win = 0,
	while (amt)
	Ş
	int is
	Jos ( i= 0; ( < n; (++))
	3
Him	y Camt > Tarr (i])
	(Z)
	ant = ans(i);
	muin_coin++;
	break;
	5
	3
	'y (i===n)
	cout ce " not possible";
	Gehem O;
	<b>3</b>
	· ·
	cout «" min coin" co min_loin;
	3
03	Backharking is an algorithm technique whose goal is to use brute force to find all solution to a problem. It entails gradually compiliry a set of all possible solution
	goal is to use brute force to find all column to a
	problem. It entails gradually combiling a
	al-of all possible solution

21104039 Page (0,0) (0,3) (0,2) (1,3) (0,1) (1,2) (1,3) X (2,0) (211) (3,0) (311) Hamiltonian patn > Cover every verticis one time and starting and ending point ou not same Hamiltonial path - lovers every vernus one time and starting and end points are some Hamiltonian graph :> Contins citeur Hamiltonin pornor graph is called hamiltonin graph.

21104039 Date -Page \_ have manultonian path Hamulionium Joseph X (0) Nota hamdloningaph X (8)

6)

c)