



Dijkstra's Shortest Path algoritm is an algoritm Aru2 used to find a shortest possible path from source to all other vertices Ex 20 800 a0) d(neb) > d(node) + weight had

then

d(nub) = d(node) + w(node) then 25 20 28 20 1,2 20 20 Fraction broken 083 OBI 082 Pruce 25 talue 15 18 10 weight Prim/vot 1-3 1.6 1.5 Capacity = 20 Sort wit Price/wt. 0B2 > 0B3 > 0B1 24 + 1.5 x5 = 24 + 7.5=31.5 is not

Coinage Problem int main () { int an []={100,50,20,10,5,13; int main =0; int Amount = 647; while (Amount) ? int i=0; for Ciro; i < n; i + +) {

if (Amount >= orr(i))

} Amount - = arr[i]; Coun ++; break; ij (i==n) { cout co "NotPassible": cout « coin;

