(R.13.1)

L -> M where M & NAC NO_

the fact that a problem L9s Polynomial time redocable to an NP-complete problem M doesn't 9mply that P=PN to prove P=NP, one would need to show that there exist a Polynomial-time algorithm that comsolve any problem 90 NP.

(R-0.13)

Prove that the Set Partition is NP

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The rest of Integers of S and take help on S, and
the rest on Sz.

Algorithm Set-Patriffon (S, S, S2)

Sum 1:=0

for e 9n Si do

sum 2:= Sum 2 + e. elementi)

sum 2:= sum 2 + e. elementi)

else return NO LOUND

1 we pass Integers to w, w is a listor integer

Algoranthm subsetSum (S, T, W)

Sum := 0

tor e bungo

Sum == sum + e elementos

1 6 SUM - T

return true

else return NO_FOUND

(S,T) - (S,S,S2)

(1) [1,2,3,4,5] with target 10

· [1,2,3,4,5,15] YES WORK , but only 9ts possible

(2) Create 1 subset sum
(2) {1,2,3,4,5,10,15) PhB work

3. [1,2,3,4,5, 10] NO WORK OFFENDS of the target

(4). {1,2,3,4,5,10,25} Its not possible only east 1 solve because the last element 95s too big

5 - {1,2,3,4,5,-5} because +