SUBSET SUM

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Question:

Given an integet arrival nung, return true if you can partition the array into two subjects, such that the sum of the elements in both subjects is equal or False otherwise.

Example:

Input: nums=[1,5,11,5]
Output: true
Explanation: The array can be partitioned
on [1,5,5] and [11].

Constrainty:

1 ≤ nums. length ≤ 200

CODE

VECTOR = 3N7> NUMS; 3N7 DP[205][20005];

BOOL FUNC (INF i, INF SUM)

3F (SUM == 0) REPURN 1; 3F (i < 0) REPURN 0;

```
ZE (DE[i][SUM] != -1) RETURN DE[i][SUM];
    - Not consider it index
    IN? 39 POSSIBLE = FUNC (1-13, SUM);
    -> Consider it index
    3F (Sum - Nums [i] > 0) 125 POSS3BLE 1=
      FUNC (i-1, gum - nums [i]);
    REPURN DP[i][sum] = 29 loss3BLE;
BOOL CANPARTITION ()
   3N7 & SUM = ACCUMULAZE (NUMJ. BEG3N())
                    NUMS END ();
NUMY END () ODD
   REPURN FUNC (NUMS. SZZE () -1, SUM
BUZ MAZN () DOC > WOOD SOLL
  MEMSER (DP, -1, Sumpof SIZEOF (DP));
Nums = {1,5,11,5};
  coup << CAN (AR73730N () << "1
```

