Problem Result

Ways To Make Coin Change

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You are given an infinite supply of coins of each of denominations D = {DO, D1, D2, D3, Dn-1}. You need to figure out the total number of ways W, in which you can make change for Value V using coins of denominations D.

Note: Return 0, if change isn't possible.

Input Format

Line 1 : Integer n i.e. total number of denominations

Line 2 : N integers i.e. n denomination values Line 3 : Value V

Output Format

Line 1: Number of ways i.e. W

Constraints:

1<=n<=10

```
// int help(int denominations[], int numDenominations, int value,int si,int**dp){

// if(si == numDenominations+1)
// return 0;
// return 1;
// if(value ==0)
// return dp[si][value]|=-1)
// return dp[si][value];
// int count = 0;
// int temp = denominations[si]*i;
// int temp = denominations[si]*i;
// int temp = denominations,numDenominations,value-temp,si+1,dp);
// break;
// break;
// count += help(denominations,numDenominations,value-temp,si+1,dp);
// / abj[si][value] = count;
// / return count;
// pon't prad input, it is passed as function argument.
// * Return output and don't print it.
// * Taking input and printing output is handled automatically.
// int dp[value+1][numDenominations];
// int dp[value+1][numDenominations];
// int dp[value+1][numDenominations;j++){
// int i=0}{
// pon'temal
// int i=0;i-walue;i++){
// int i=0;i-walue;i++}
// int i=0;i-walue;i++){
// int i=0;i-walue;i++){
// int i=0;i-walue;i++}
// int i=0;i-walue;i++){
// int i=0;i-walue;i++){
// int i=0;i-walue;i++){
// int i=0;i-walue;i++}
// int i=0;i-walue;i-walue;i-walue;i-walue;i-walue;i-walue;i-walue;i-walue;i-walue;i-walue;i-walue;i-walue;i-walue;i-walue;i-walue;i-walue;i-walue;i-walue;i-walue;i-walue;i-walue;i-walue;i-walue;i-walue;i-walue;i-walue;i-walue;i-walue;i-walue;i-walue;i-walue;i-walue;i-walue;i-walue;i-walue;i-walue;i-walue;i-
```

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### COLUMN NOTE | PRINCE OF TRAINING |

* Taking input and printing output is handled automatically.

*/

*/

* Int i, j, x, y;

* Int in bottom up manner using the base case 0

* Int table[n+1][m];

* Tor (i=0; k:m; i++)

* Tor (i=0; k:m; i++)

* Tor (i=0; i=1; i < n+1; i++)

* Tor (i=0; j < m; j++)

* Int (i=0; i=1; i < n+1; i++)

* Int (i=0; i=1; i=1; i=1)

* I
```