class CoinChange

{

    static long countWays(int S[], int m, int n)

    {

        long[] table = new long[n+1];

        Arrays.fill(table, 0);

        table[0] = 1;

        for (int i=0; i<m; i++)

            for (int j=S[i]; j<=n; j++)

                table[j] += table[j-S[i]];

        return table[n];

    }

    public static void main(String args[])

    {

        int arr[] = {1, 2, 3};

        int m = arr.length;

        int n = 4;

        System.out.println(countWays(arr, m, n));

    }

}