import java.util.\*;

public class SubsetSum1 {

public static boolean isSubsetSum(int[] arr, int n, int target) {

if (target == 0) {

return true;

}

if (n == 0) {

return false;

}

if (arr[n - 1] > target) {

return isSubsetSum(arr, n - 1, target);

}

return isSubsetSum(arr, n - 1, target) || isSubsetSum(arr, n - 1, target - arr[n - 1]);

}

public static void main(String[] args) {

int[] arr = {3, 34, 4, 12, 5, 2};

int target =6;

int n = arr.length;

boolean result = isSubsetSum(arr, n, target);

System.out.println("Subset with given sum exists: " + result);

}

}