import java.io.\*;

import java.util.\*;

import java.text.\*;

import java.math.\*;

import java.util.regex.\*;

public class Solution {

public static void main(String[] args) {

Scanner in = new Scanner(System.in);

int arr[][] = new int[6][6];

for(int i=0; i < 6; i++){

for(int j=0; j < 6; j++){

arr[i][j] = in.nextInt();

}

}//end of first for loo

int maxSum = Integer.MIN\_VALUE;

for (int i = 0; i < 4; i++) {

for (int j = 0; j < 4; j++) {

int sum = arr[i ][j] + arr[i ][j + 1] + arr[i ][j + 2]

+ arr[i + 1][j + 1]

+ arr[i + 2][j] + arr[i + 2][j + 1] + arr[i + 2][j + 2];

if (maxSum < sum) {

maxSum = sum;

}

}

}

System.out.println(maxSum);

}}