class Solution {

public:

int computeArea(int A, int B, int C, int D, int E, int F, int G, int H) {

int l = (min(C,G)>max(A,E))?(min(C,G)-max(A,E)): 0;

int h = (min(D,H)>max(B,F))?(min(D,H)-max(B,F)): 0;

return (C-A)\*(D-B)+(G-E)\*(H-F) - l\*h;

}

};