Binary function

[Award] **8 pts**

[Category] **Math**

Let binary function *f*(*x*, *y*) = (x\*y-1)/(x+y-1). There are infinite (x, y) pairs of positive integers such that f(*x*, *y*) is integer. For example, *f*(1, 1) = 0, f(3, 5) = 2, f(5, 17) = 4 and so on.

Find all such (*x*, *y*) pairs for 1 <= *x* <= *y* <= 50000000.

Answer format: [number of pairs],[sum of *x* of all pairs], [sum of *y* of all pairs]

Example: 258,56772,129736 for 1 <= *x* <= *y* <= 1000.

[Answer] **12738578,140985326874513,318469254709907**