

Note: the above looks a lot like our max program from the first lecture. General pittern: Want to compute Xo & X, A X2 A ··· A Xn It & has a "neutral" element e, such that x *e = x, then the following will always work : $a = e_j$ while (cin >> X) { $a = a \times x$ // answer is in a. New problem: compute the gcd (snewtest common divisor) of 2 siven (positive) integers. E.s., if a=12, b=18, than $gc\lambda(\alpha,b) = 6$. I dea: we can "brate force" the answer I.e., we can try all possibilities and check. gcd (9, 15) = 3 How to check if some value of is a common divisor of a & 6?

Upper bound for gcd(a,b)? $min\{a,b\}$.

List do countidates: $[1,2,...,min\{a,b\}]$ int m=min(a,b);

int d=ljwhile $(d \le m)$ d=d+lj