Algo Bucket

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Problem statement. Here I will be listing all the important algorithm's that you have to remember before going to any interview or coding competitions. (Not necessary that I mention every single one of them)

Solution:

- 1 Kadane's algorithm
- 2 Johnson and Trotter algorithm (Permutations of a string using mobile integers)
- 3 Euclidean algorithm (To find GCD)
- **4** Extended Euclidean algorithm (Find coefficients of Bezout's identity eg: find x,y in ax+by=gcd(a,b))
- 5 Matrix exponentiation (To find solutions that consists of finding something similar to fibonacci numbers, (Where you add previous numbers to get current number))
- 5 Partition problem (To find ways to split)