

Brute-force search is an exhaustive method that checks all possibilities for the solution to the problem. This algorithm is simple to implement and is guaranteed to find a solution. Brute force is slow and inefficient when the problem size is large, but is often used when the size is small and manageable. If simplicity is more important than speed, then brute force is a reasonable approach.

When using brute force to solve the maximum subarray problem, there are two for loops that enumerate all pairs of positions i, j in the array A and find the sum of the array $A[i..j]$ by calculating the sum of $A[i..j-1] + A[j]$.