Algorithm

The algorithm uses divide se con quer approch to find the maximum subarray.

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- So an array of size N is divided winto a sub arrays as per the concept, however, if the size is one then the mid value is not calculated and in first condition ic; when how_ index= high-index the only element is set wined as the maximum sub array.
- * The looping statement withen always makes sure that the away is scanned be on the left index to the right index.
- * The algorithm have uses two loops to calculate the maximum sum. The whole averay of size 'n' is divided winto deft sub-averay [o...m] to right sub-averay [m+1,n] when mis the mid value in the array. The left sub-array is scanned from o to m-1 and the second/sop right sub-array scans the list from m+1 to n (ie; highest rind ex)
- The loop in variants in these cases are maximum sum of the away which are calculated while dividing the problem. The sum each of the is calculated for parties elements in the

wight sub away sum, left sub away sum and the maximum sum of the away is

- * The termination condition for both the loops is when the left on the current index reaches the m-1 position and the Right index operator reaches it makes it index operator reaches it is position of the Right index operator.
- * AD the algorithm shouldn't terminate when high regative numbers are assed we use infor-so as the range for the right ee left sums.

while was a street of an agricultation