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\* File : Lab3\_3.1.doc

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\* Description : Regarding answers to given Alogorithm

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1. What does the algorithm computes?

Ans :The algorithm is to compute the difference between the maximum and minimum element in the array

2. What is its basic operation?

Ans :The basic operation is to create minimum and maximum variables.

3. Check the no of times the basic operation is executed depends only on the size

of an input or on any other parameter.

Ans. It depends upon the number of terms given in an array.

4. Set up a sum/recurrence, expressing the number of times the basic operation is

executed.

Ans. It executes n-1 times

5. What is the efficiency case of the given algorithm?

Ans. Average