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\* File : LAB 3\_2.doc

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\* Description : Answers based on given algorithm

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3.2 ALGORITHM surprise(A[0..n-1])

//Input: An array A[0..n-1] of real numbers

If n=1

return A[0]

else

t<-surprise(A[0..n-2])

if t<= A[n-1]

return t

else

return A[n-1]

Ans. Here we take an array with 4 elements 9,5,6,7 .Since it is a recursive function call,by repeated calling of function we get the smallest element of the array.

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1`1`1`1`1`1`1`1`1`1`1`1`1`1`1`1`1`1`1`1`1`1`1`1`1`1`1`1`2`2 In the above case we get the final output as '5'