1. **Answer :**

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| The results for fibo(30) is given below:   1. Brute force Method: no of recursive calls = 2692537 2. Memoized Method : no of recursive calls = 59   We can see that memorized method is much faster than brute force method as number of recursive calls is only 59 which is very lower than the 2692537.So, we can say that memorized method is 2692537/59 = 45636 times faster than brute force method for Fibonacci 30.It will be more if the input number is larger. Therefore, brute force algorithm needs to use some form of dynamic programming |

1. **Answer:**

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| Input : cababc, abdcb  -------------Brute force Version-------------------  LCS Length : 3  No of recursive calls: 102  ----------------Memoized Version-----------------  LCS Length : 3  No of recursive calls: 25 |