

Video No.: 83

Topic Name: Recursion Problem 04

Question:

Consider the following C function:

```
int fun(int n){  
    int x = 1, k;  
    if (n==1)  
        return x;  
    for(k=1; k<n; ++k){  
        x = x + fun(k)*fun(n-k);  
    }  
    return x;  
}
```

The return value of fun(5) is:

- a) 0
- b) 26
- c) 51**
- d) 71

Solution: