

ASSIGNMENT - 1.

NAME: DIPTANGSHU DEY

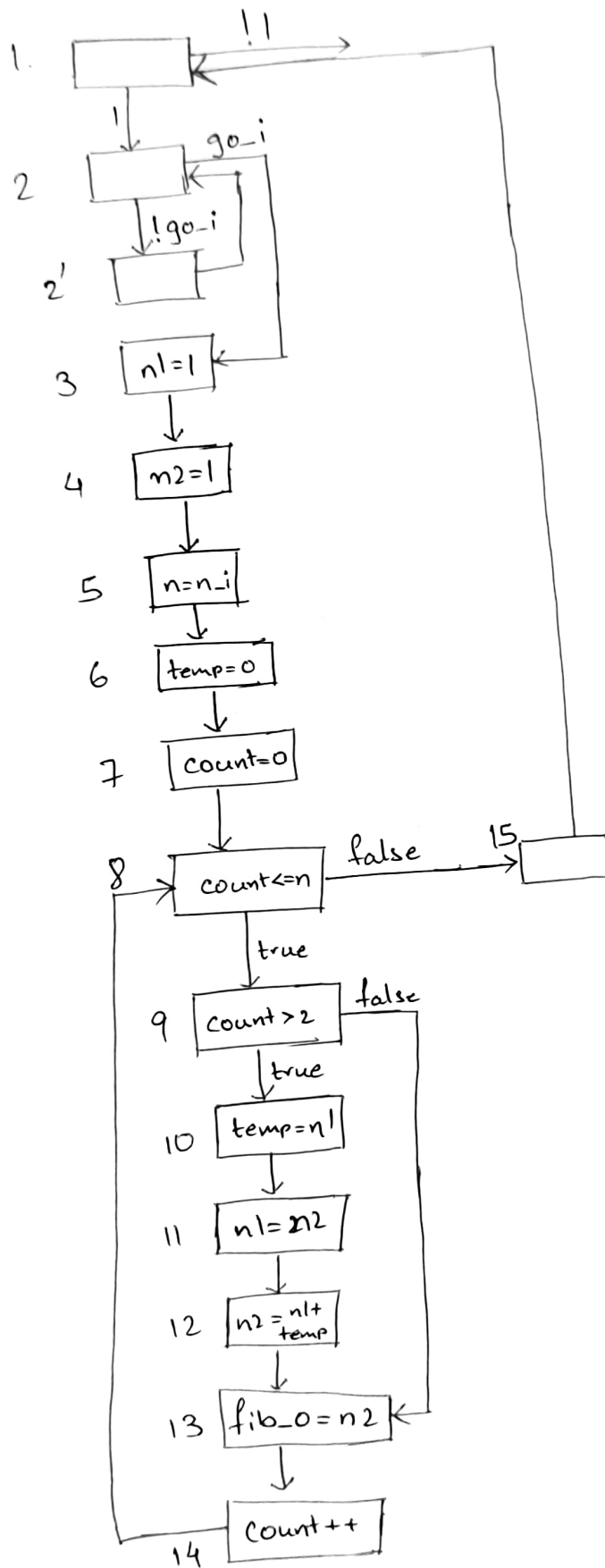
SUB. CODE: CSC502.

ROLL. NO: 20CS8018.

• Algorithm.

```
int n1, n2, temp, count, n;  
while(1) {  
    while(!go);  
    n1=1;  
    n2=1;  
    n=n-i;  
    count=0;  
    temp=0;  
    while(count <= n) {  
        if(count > 2) {  
            temp=n1;  
            n1=n2;  
            n2=n1+temp;  
        }  
        fib_0=n2;  
        count++;  
    }  
}
```

• State diagram.



• Datapath.

