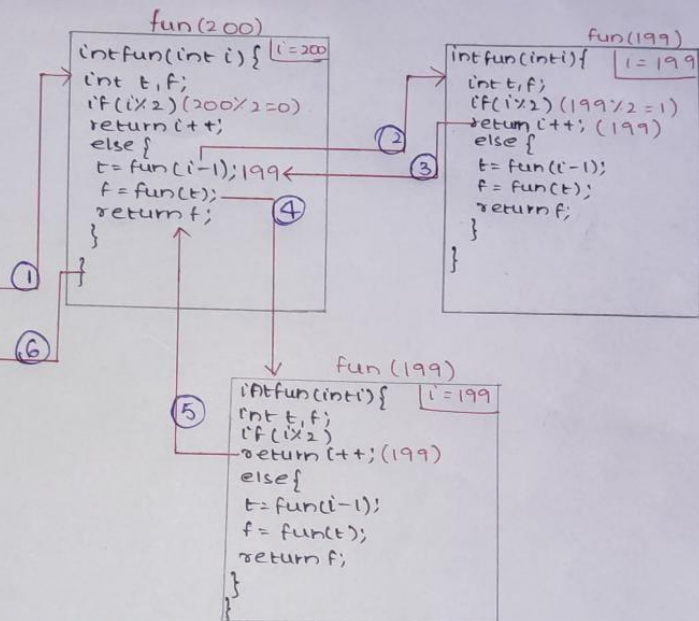


WEEK-7 PROBLEM-9

```
#include <stdio.h>
int fun(int i) {
    int t, f;
    if (i % 2)
        return i++;
    else {
        t = fun(i-1);
        f = fun(t);
        return f; // return fun(fun(i-1));
    }
}

int main()
{
    printf("%d", fun(200));
    get char();
    return 0;
}
```

NOTE:-
`return fun(fun(i-1));`
 can be rewritten as
`t = fun(i-1);`
`f = fun(t);`
`return f;`



NOTE:- In statement `return i++;` first the `i` value is returned and then it is incremented. So, in function `fun(199)` first the value of `i` 199 is returned & then incremented by 1.
Output:- 199, raised by 1.