Main.java

```java
1    import java.util.Arrays;
2
3    public class Main {
4        static int[][] table;
5        public static void main(String[] args) {
6            int eggs = 3;
7            int floors = 10;
8            table = new int[eggs+1][floors+1];
9            table[1][floors] = floors;
10           System.out.println(eggDrop(eggs,floors));
11       }
12
13       public static int eggDrop(int eggs, int floors){
14           if(eggs <= 0 ){
15               return 0;
16           }
17           if(eggs == 1 ){
18               table[eggs][floors] = floors;
19               return floors;
20           }
21           if(floors <= 1 ){
22               table[eggs][floors] = 1;
23               return 1;
24           }
25           if(table[eggs][floors] != 0){
26               return table[eggs][floors];
27           }
28           int min = 10000;
29           for(int i = 1; i <= floors; i++){
30               int eggBreaks = eggDrop(eggs-1, i-1);
31               int eggSurvives = eggDrop(eggs, floors-i);
32               int a = 1 + Math.max(eggBreaks, eggSurvives);
33               if(a < min){
34                   min = a;
35               }
36           }
37           table[eggs][floors] = min;
38           return table[eggs][floors];
39       }
40   }
41
42   //Input: Eggs: 2, Floors: 6
43   //Output: 3
44
45   //Input: Eggs: 2, Floors: 100
46   //Output: 14
47
48   //Input: Eggs: 2, Floors: 10
49   //Output: 4
```