

```
1  #include <iostream>
2  #include <cmath>
3
4  using namespace std;
5
6  #define times(n) for(int i=0; i<(n);i++)
7
8  #define until(cond) while(!(cond))
9
10 int main()
11 {
12     times(10)
13     {
14         cout << "1";
15     }
16     times(10) cout << "2";
17
18
19
20
21     int a = 5;
22
23     until(a > 10)
24     {
25         cout << a << endl;
26         a += 2;
27     }
28
29
30     return 0;
31 }
32
```