```c
1    #include <stdio.h>
2
3    int main() {
4        int b;
5        scanf("%d", &b);
6
7        int m = 1;
8        int n = 1;                              -1-
9        int sum = m*n;
10       while(n != b) {
11           n = m + n;
12           ++m;
13           sum += m*n;
14       }
15       printf("%d", sum);
16
17       return 0;
18   }
19
```