

```

1  /// Final 2557-1: N [Method 1]
2  /// Main idea: printing each line involves 3 task: print the left side,
3  ///   the middle, and the right side. Therefore, each iteration of an
4  ///   outer loop is divided into 3 parts.
5  #include <stdio.h>
6
7  int main() {
8      int N;
9      scanf("%d", &N);
10     for(int row = 0; row < N; ++row) {
11         printf("%d ", (N - row) % 10); // print left side
12         for(int col = 1; col < N - 1; ++col) { // print the middle
13             if(col == row)
14                 printf("%d ", (N + row) % 10);
15             else
16                 printf(" ");
17         }
18         printf("%d\n", (3*N - 2 - row) % 10); // print the right side
19     }
20
21     return 0;
22 }

```