12. The running time of this program is (10pts)

```
for (int i = 0; i < 60; i++) {
        for (int j = i-1; j < N; j++) {
            for (int k = 0; k < N; k++) {
                System.out.println(i*j);
                System.out.println(i);
            }
        }
}
```

(a) O(logN)
(b) O(N)
(c) O(N logN)
(d) $O(N^2)$
(e) $O(N^3)$
(f) O(1)