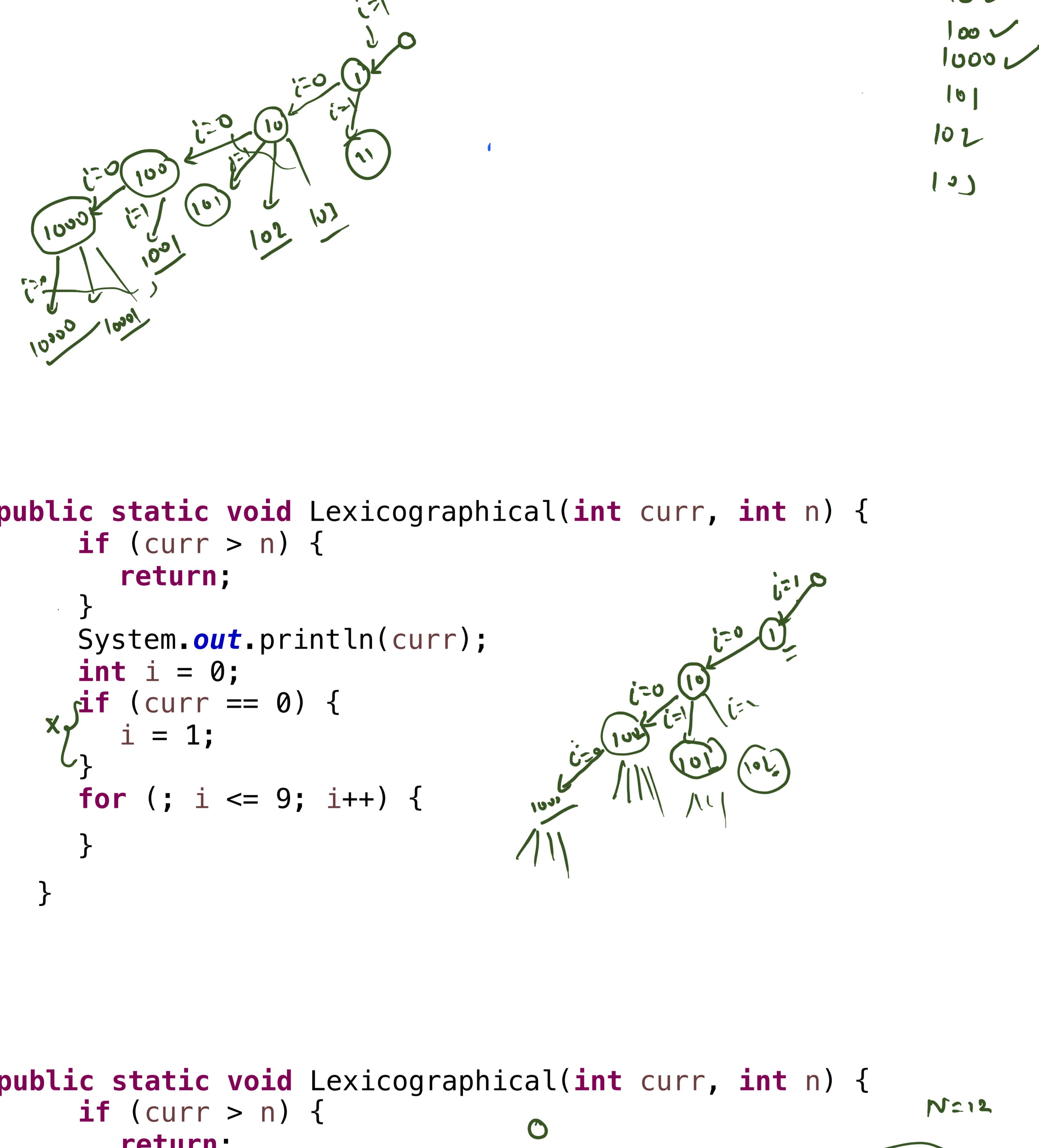


'5' > '105'
21 < 210

Kunal
Normal

N = 1000 ✓									
0	11	12	13	14	15	16	17	18	19
1	110	120	130	140	150	160	170	180	190
10	111	121	131	141	151	161	171	181	191
100	112	122	132	142	152	162	172	182	192
1000	113	123	133	143	153	163	173	183	193
101	114	124	134	144	154	164	174	184	194
102	115	125	135	145	155	165	175	185	195
103	116	126	136	146	156	166	176	186	196
104	117	127	137	147	157	167	177	187	197
109	118	128	138	148	158	168	178	188	198

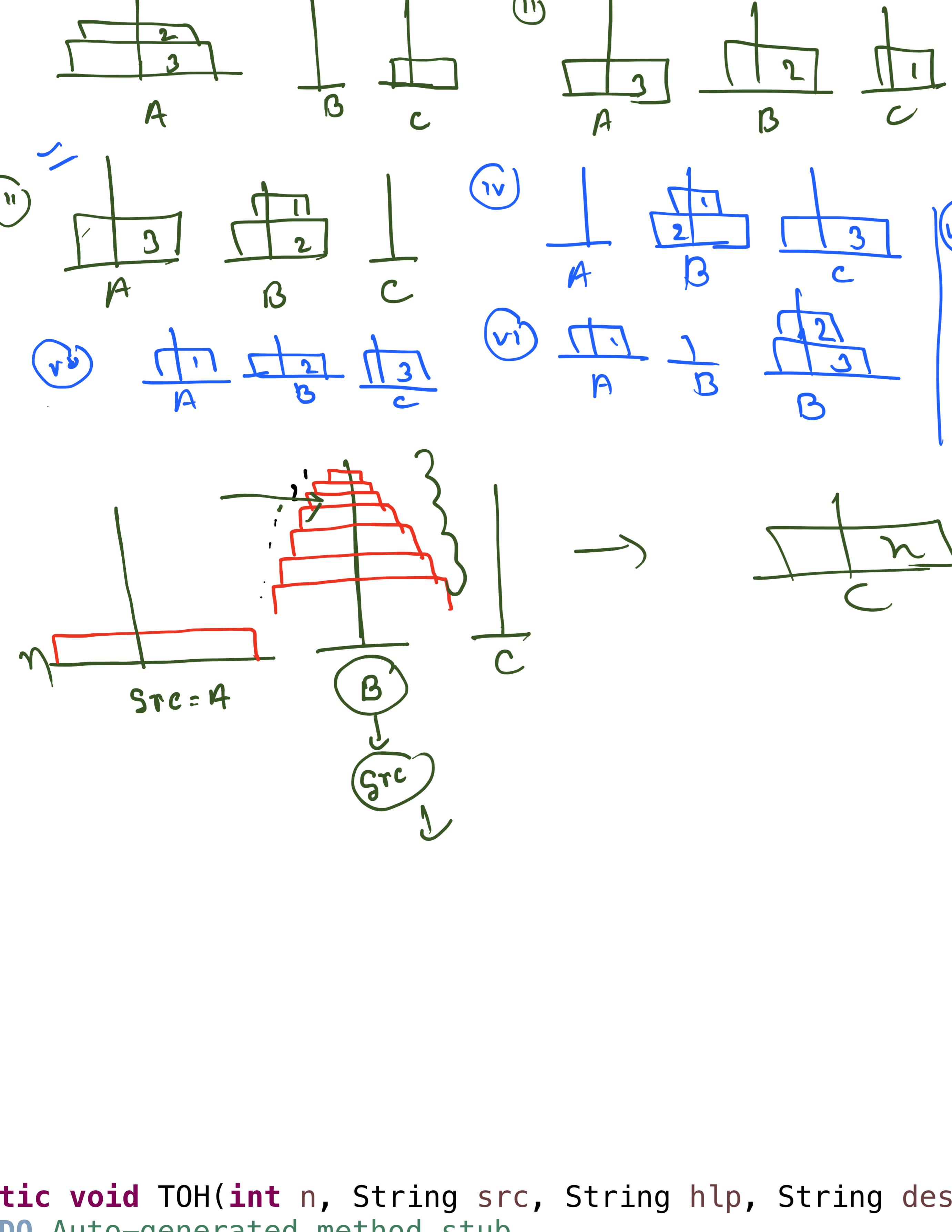


```
public static void Lexicographical(int curr, int n) {
    if (curr > n) {
        return;
    }
    System.out.println(curr);
    int i = 0;
    if (curr == 0) {
        i = 1;
    }
    for (; i <= 9; i++) {
    }
}
```



0
1
10
100
1000
101
102
103

```
public static void Lexicographical(int curr, int n) {
    if (curr > n) {
        return;
    }
    System.out.println(curr);
    int i = 0;
    if (curr == 0) {
        i = 1;
    }
    for (; i <= 9; i++) {
        Lexicographical(curr * 10 + i, n);
    }
}
```



```
public static void TOH(int n, String src, String hlp, String des) {
    // TODO Auto-generated method stub
    if (n == 0) {
        return;
    }
    TOH(n - 1, src, des, hlp);
    System.out.println("Move " + n + "th disk from " + src + " to " + des);
    TOH(n - 1, hlp, src, des);
}
```

