```
------------------------------Class 1-----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][011][012][021][100][101][102][110]]
-------------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,0,--
R2) 0,0,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,:
 Number new nodes in level n is given by : 1,1,   DONE

------------------------------Class 2-----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][011][012][021][100][101][102][120]]
-------------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,0,--
R2) 0,0,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,:
 Number new nodes in level n is given by : 1,1,   DONE

------------------------------Class 3-----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][011][012][021][100][101][102][201]]
-------------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,0,--
R2) 0,0,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,:
 Number new nodes in level n is given by : 1,1,   DONE

------------------------------Class 4-----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][011][012][021][100][101][102][210]]
-------------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,0,--
R2) 0,0,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,:
```

```
 Number new nodes in level n is given by : 1,1,   DONE

------------------------------Class 5-----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][011][012][021][100][101][110][120]]
-------------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,0,--
R2) 0,0,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,:
 Number new nodes in level n is given by : 1,1,   DONE

------------------------------Class 6-----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][011][012][021][100][101][110][201]]
-------------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,0,--
R2) 0,0,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,:
 Number new nodes in level n is given by : 1,1,   DONE

------------------------------Class 7-----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][011][012][021][100][101][110][210]]
-------------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,0,--
R2) 0,0,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,:
 Number new nodes in level n is given by : 1,1,   DONE

------------------------------Class 8-----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][011][012][021][100][101][120][201]]
-------------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,0,--
R2) 0,0,-->
List of different nodes in T[L]
```

```
LEN=1) 0,:
LEN=2) 0,0,:
 Number new nodes in level n is given by : 1,1,   DONE

-----------------------------Class 9-----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][011][012][021][100][101][120][210]]
-------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,0,--
R2) 0,0,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,:
 Number new nodes in level n is given by : 1,1,   DONE

-----------------------------Class
10-----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][011][012][021][100][101][201][210]]
-------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,0,--
R2) 0,0,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,:
 Number new nodes in level n is given by : 1,1,   DONE

-----------------------------Class
11-----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][011][012][021][100][102][110][120]]
-------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,0,--
R2) 0,0,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,:
 Number new nodes in level n is given by : 1,1,   DONE

-----------------------------Class
12-----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][011][012][021][100][102][110][201]]
-------------------------------------------------------------------------------
```

```
--
Rules of T[L]:
R1) 0,-->0,0,--0,0,--
R2) 0,0,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,:
 Number new nodes in level n is given by : 1,1,   DONE

-----------------------------Class
13-----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][011][012][021][100][102][110][210]]
-------------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,0,--
R2) 0,0,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,:
 Number new nodes in level n is given by : 1,1,   DONE

-----------------------------Class
14-----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][011][012][021][100][102][120][201]]
-------------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,0,--
R2) 0,0,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,:
 Number new nodes in level n is given by : 1,1,   DONE

-----------------------------Class
15-----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][011][012][021][100][102][120][210]]
-------------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,0,--
R2) 0,0,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,:
 Number new nodes in level n is given by : 1,1,   DONE
```

```
----------------------------Class
16---------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][011][012][021][100][102][201][210]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,0,--
R2) 0,0,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,:
 Number new nodes in level n is given by : 1,1,   DONE

----------------------------Class
17---------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][011][012][021][100][110][120][201]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,0,--
R2) 0,0,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,:
 Number new nodes in level n is given by : 1,1,   DONE

----------------------------Class
18---------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][011][012][021][100][110][120][210]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,0,--
R2) 0,0,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,:
 Number new nodes in level n is given by : 1,1,   DONE

----------------------------Class
19---------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][011][012][021][100][110][201][210]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
```

```
R1) 0,-->0,0,--0,0,--
R2) 0,0,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,:
 Number new nodes in level n is given by : 1,1,   DONE

----------------------------Class
20----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][011][012][021][100][120][201][210]]
------------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,0,--
R2) 0,0,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,:
 Number new nodes in level n is given by : 1,1,   DONE

----------------------------Class
21----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][011][012][021][101][102][110][120]]
------------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,0,--
R2) 0,0,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,:
 Number new nodes in level n is given by : 1,1,   DONE

----------------------------Class
22----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][011][012][021][101][102][110][201]]
------------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,0,--
R2) 0,0,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,:
 Number new nodes in level n is given by : 1,1,   DONE

----------------------------Class
```

```
23---------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][011][012][021][101][102][110][210]]
-------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,0,--
R2) 0,0,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,:
 Number new nodes in level n is given by : 1,1,   DONE

-----------------------------Class
24---------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][011][012][021][101][102][120][201]]
-------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,0,--
R2) 0,0,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,:
 Number new nodes in level n is given by : 1,1,   DONE

-----------------------------Class
25---------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][011][012][021][101][102][120][210]]
-------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,0,--
R2) 0,0,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,:
 Number new nodes in level n is given by : 1,1,   DONE

-----------------------------Class
26---------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][011][012][021][101][102][201][210]]
-------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,0,--
R2) 0,0,-->
```

```
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,:
 Number new nodes in level n is given by : 1,1,   DONE

----------------------------Class
27----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][011][012][021][101][110][120][201]]
------------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,0,--
R2) 0,0,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,:
 Number new nodes in level n is given by : 1,1,   DONE

----------------------------Class
28----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][011][012][021][101][110][120][210]]
------------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,0,--
R2) 0,0,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,:
 Number new nodes in level n is given by : 1,1,   DONE

----------------------------Class
29----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][011][012][021][101][110][201][210]]
------------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,0,--
R2) 0,0,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,:
 Number new nodes in level n is given by : 1,1,   DONE

----------------------------Class
30----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
```

```
L=[[000][001][010][011][012][021][101][120][201][210]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,0,--
R2) 0,0,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,:
 Number new nodes in level n is given by : 1,1,   DONE

------------------------------Class
31-----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][011][012][021][102][110][120][201]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,0,--
R2) 0,0,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,:
 Number new nodes in level n is given by : 1,1,   DONE

------------------------------Class
32-----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][011][012][021][102][110][120][210]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,0,--
R2) 0,0,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,:
 Number new nodes in level n is given by : 1,1,   DONE

------------------------------Class
33-----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][011][012][021][102][110][201][210]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,0,--
R2) 0,0,-->
List of different nodes in T[L]
LEN=1) 0,:
```

```
LEN=2) 0,0,:
 Number new nodes in level n is given by : 1,1,   DONE

----------------------------Class
34----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][011][012][021][102][120][201][210]]
------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,0,--
R2) 0,0,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,:
 Number new nodes in level n is given by : 1,1,   DONE

----------------------------Class
35----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][011][012][021][110][120][201][210]]
------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,0,--
R2) 0,0,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,:
 Number new nodes in level n is given by : 1,1,   DONE

----------------------------Class
36----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][011][012][100][101][102][110][120]]
------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,0,--
R2) 0,0,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,:
 Number new nodes in level n is given by : 1,1,   DONE

----------------------------Class
37----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][011][012][100][101][102][110][201]]
------------------------------------------------------------------------------
```

```
--
Rules of T[L]:
R1) 0,-->0,0,--0,0,--
R2) 0,0,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,:
 Number new nodes in level n is given by : 1,1,   DONE

-----------------------------Class
38-----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][011][012][100][101][102][110][210]]
-------------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,0,--
R2) 0,0,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,:
 Number new nodes in level n is given by : 1,1,   DONE

-----------------------------Class
39-----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][011][012][100][101][102][120][201]]
-------------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,0,--
R2) 0,0,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,:
 Number new nodes in level n is given by : 1,1,   DONE

-----------------------------Class
40-----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][011][012][100][101][102][120][210]]
-------------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,0,--
R2) 0,0,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,:
 Number new nodes in level n is given by : 1,1,   DONE
```

```
----------------------------Class
41---------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][011][012][100][101][102][201][210]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,0,--
R2) 0,0,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,:
 Number new nodes in level n is given by : 1,1,   DONE

----------------------------Class
42---------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][011][012][100][101][110][120][201]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,0,--
R2) 0,0,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,:
 Number new nodes in level n is given by : 1,1,   DONE

----------------------------Class
43---------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][011][012][100][101][110][120][210]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,0,--
R2) 0,0,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,:
 Number new nodes in level n is given by : 1,1,   DONE

----------------------------Class
44---------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][011][012][100][101][110][201][210]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
```

```
R1) 0,-->0,0,--0,0,--
R2) 0,0,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,:
 Number new nodes in level n is given by : 1,1,   DONE

----------------------------Class
45----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][011][012][100][101][120][201][210]]
------------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,0,--
R2) 0,0,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,:
 Number new nodes in level n is given by : 1,1,   DONE

----------------------------Class
46----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][011][012][100][102][110][120][201]]
------------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,0,--
R2) 0,0,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,:
 Number new nodes in level n is given by : 1,1,   DONE

----------------------------Class
47----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][011][012][100][102][110][120][210]]
------------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,0,--
R2) 0,0,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,:
 Number new nodes in level n is given by : 1,1,   DONE

----------------------------Class
```

```
48---------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][011][012][100][102][110][201][210]]
------------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,0,--
R2) 0,0,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,:
 Number new nodes in level n is given by : 1,1,   DONE

-----------------------------Class
49---------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][011][012][100][102][120][201][210]]
------------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,0,--
R2) 0,0,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,:
 Number new nodes in level n is given by : 1,1,   DONE

-----------------------------Class
50---------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][011][012][100][110][120][201][210]]
------------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,0,--
R2) 0,0,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,:
 Number new nodes in level n is given by : 1,1,   DONE

-----------------------------Class
51---------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][011][012][101][102][110][120][201]]
------------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,0,--
R2) 0,0,-->
```

```
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,:
 Number new nodes in level n is given by : 1,1,   DONE

----------------------------Class
52----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][011][012][101][102][110][120][210]]
------------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,0,--
R2) 0,0,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,:
 Number new nodes in level n is given by : 1,1,   DONE

----------------------------Class
53----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][011][012][101][102][110][201][210]]
------------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,0,--
R2) 0,0,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,:
 Number new nodes in level n is given by : 1,1,   DONE

----------------------------Class
54----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][011][012][101][102][120][201][210]]
------------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,0,--
R2) 0,0,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,:
 Number new nodes in level n is given by : 1,1,   DONE

----------------------------Class
55----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
```

```
L=[[000][001][010][011][012][101][110][120][201][210]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,0,--
R2) 0,0,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,:
 Number new nodes in level n is given by : 1,1,   DONE

-----------------------------Class
56----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][011][012][102][110][120][201][210]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,0,--
R2) 0,0,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,:
 Number new nodes in level n is given by : 1,1,   DONE

-----------------------------Class
57----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][011][021][100][101][102][110][120]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->
R3) 0,1,-->0,1,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

-----------------------------Class
58----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][011][021][100][101][102][110][201]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->
R3) 0,1,-->0,1,--
```

```
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

----------------------------Class
59----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][011][021][100][101][102][110][210]]
------------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->
R3) 0,1,-->0,1,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

----------------------------Class
60----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][011][021][100][101][102][120][201]]
------------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->
R3) 0,1,-->0,1,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

----------------------------Class
61----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][011][021][100][101][102][120][210]]
------------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->
R3) 0,1,-->0,1,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE
```

```
----------------------------Class
62----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][011][021][100][101][102][201][210]]
-------------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->
R3) 0,1,-->0,1,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

----------------------------Class
63----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][011][021][100][101][110][120][201]]
-------------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->
R3) 0,1,-->0,1,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

----------------------------Class
64----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][011][021][100][101][110][120][210]]
-------------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->
R3) 0,1,-->0,1,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

----------------------------Class
65----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][011][021][100][101][110][201][210]]
-------------------------------------------------------------------------------------
```

```
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->
R3) 0,1,-->0,1,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

----------------------------Class
66----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][011][021][100][101][120][201][210]]
------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->
R3) 0,1,-->0,1,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

----------------------------Class
67----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][011][021][100][102][110][120][201]]
------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->
R3) 0,1,-->0,1,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

----------------------------Class
68----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][011][021][100][102][110][120][210]]
------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->
R3) 0,1,-->0,1,--
```

```
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

----------------------------Class
69----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][011][021][100][102][110][201][210]]
------------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->
R3) 0,1,-->0,1,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

----------------------------Class
70----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][011][021][100][102][120][201][210]]
------------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->
R3) 0,1,-->0,1,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

----------------------------Class
71----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][011][021][100][110][120][201][210]]
------------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->
R3) 0,1,-->0,1,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE
```

```
----------------------------Class
72---------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][011][021][101][102][110][120][201]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->
R3) 0,1,-->0,1,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

----------------------------Class
73---------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][011][021][101][102][110][120][210]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->
R3) 0,1,-->0,1,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

----------------------------Class
74---------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][011][021][101][102][110][201][210]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->
R3) 0,1,-->0,1,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

----------------------------Class
75---------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][011][021][101][102][120][201][210]]
--------------------------------------------------------------------------------
```

```
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->
R3) 0,1,-->0,1,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

-----------------------------Class
76-----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][011][021][101][110][120][201][210]]
------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->
R3) 0,1,-->0,1,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

-----------------------------Class
77-----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][011][021][102][110][120][201][210]]
------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->
R3) 0,1,-->0,1,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

-----------------------------Class
78-----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][011][100][101][102][110][120][201]]
------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->
R3) 0,1,-->0,1,--
```

```
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

----------------------------Class
79----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][011][100][101][102][110][120][210]]
------------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->
R3) 0,1,-->0,1,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

----------------------------Class
80----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][011][100][101][102][110][201][210]]
------------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->
R3) 0,1,-->0,1,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

----------------------------Class
81----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][011][100][101][102][120][201][210]]
------------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->
R3) 0,1,-->0,1,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE
```

```
----------------------------Class
82---------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][011][100][101][110][120][201][210]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->
R3) 0,1,-->0,1,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

----------------------------Class
83---------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][011][100][102][110][120][201][210]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->
R3) 0,1,-->0,1,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

----------------------------Class
84---------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][011][101][102][110][120][201][210]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->
R3) 0,1,-->0,1,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

----------------------------Class
85---------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][012][021][100][101][102][110][120]]
--------------------------------------------------------------------------------
```

```
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->
R3) 0,1,-->0,0,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

-----------------------------Class
86-----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][012][021][100][101][102][110][201]]
------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->
R3) 0,1,-->0,0,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

-----------------------------Class
87-----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][012][021][100][101][102][110][210]]
------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->
R3) 0,1,-->0,0,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

-----------------------------Class
88-----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][012][021][100][101][102][120][201]]
------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->
R3) 0,1,-->0,0,--
```

```
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

----------------------------Class
89----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][012][021][100][101][102][120][210]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->
R3) 0,1,-->0,0,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

----------------------------Class
90----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][012][021][100][101][102][201][210]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->
R3) 0,1,-->0,0,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

----------------------------Class
91----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][012][021][100][101][110][120][201]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->
R3) 0,1,-->0,0,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE
```

```
----------------------------Class
92---------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][012][021][100][101][110][120][210]]
-------------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->
R3) 0,1,-->0,0,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

----------------------------Class
93---------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][012][021][100][101][110][201][210]]
-------------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->
R3) 0,1,-->0,0,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

----------------------------Class
94---------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][012][021][100][101][120][201][210]]
-------------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->
R3) 0,1,-->0,0,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

----------------------------Class
95---------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][012][021][100][102][110][120][201]]
-------------------------------------------------------------------------------------
```

```
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->
R3) 0,1,-->0,0,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

-----------------------------Class
96-----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][012][021][100][102][110][120][210]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->
R3) 0,1,-->0,0,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

-----------------------------Class
97-----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][012][021][100][102][110][201][210]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->
R3) 0,1,-->0,0,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

-----------------------------Class
98-----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][012][021][100][102][120][201][210]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->
R3) 0,1,-->0,0,--
```

```
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

----------------------------Class
99----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][012][021][100][110][120][201][210]]
------------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->
R3) 0,1,-->0,0,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

----------------------------Class
100---------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][012][021][101][102][110][120][201]]
------------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->
R3) 0,1,-->0,0,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

----------------------------Class
101---------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][012][021][101][102][110][120][210]]
------------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->
R3) 0,1,-->0,0,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE
```

```
----------------------------Class
102---------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][012][021][101][102][110][201][210]]
-------------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->
R3) 0,1,-->0,0,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

----------------------------Class
103---------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][012][021][101][102][120][201][210]]
-------------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->
R3) 0,1,-->0,0,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

----------------------------Class
104---------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][012][021][101][110][120][201][210]]
-------------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->
R3) 0,1,-->0,0,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

----------------------------Class
105---------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][012][021][102][110][120][201][210]]
-------------------------------------------------------------------------------------
```

```
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->
R3) 0,1,-->0,0,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

-----------------------------Class
106-----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][012][100][101][102][110][120][201]]
------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->
R3) 0,1,-->0,0,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

-----------------------------Class
107-----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][012][100][101][102][110][120][210]]
------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->
R3) 0,1,-->0,0,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

-----------------------------Class
108-----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][012][100][101][102][110][201][210]]
------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->
R3) 0,1,-->0,0,--
```

```
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

----------------------------Class
109-----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][012][100][101][102][120][201][210]]
------------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->
R3) 0,1,-->0,0,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

----------------------------Class
110-----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][012][100][101][110][120][201][210]]
------------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->
R3) 0,1,-->0,0,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

----------------------------Class
111-----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][012][100][102][110][120][201][210]]
------------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->
R3) 0,1,-->0,0,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE
```

```
----------------------------Class
112---------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][012][101][102][110][120][201][210]]
-------------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->
R3) 0,1,-->0,0,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

----------------------------Class
113---------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][021][100][101][102][110][120][201]]
-------------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,--
R2) 0,0,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,:
 Number new nodes in level n is given by : 1,1,   DONE

----------------------------Class
114---------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][021][100][101][102][110][120][210]]
-------------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,--
R2) 0,0,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,:
 Number new nodes in level n is given by : 1,1,   DONE

----------------------------Class
115---------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][021][100][101][102][110][201][210]]
-------------------------------------------------------------------------------------
--
Rules of T[L]:
```

```
R1) 0,-->0,0,--0,--
R2) 0,0,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,:
 Number new nodes in level n is given by : 1,1,   DONE

----------------------------Class
116-----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][021][100][101][102][120][201][210]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,--
R2) 0,0,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,:
 Number new nodes in level n is given by : 1,1,   DONE

----------------------------Class
117-----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][021][100][101][110][120][201][210]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,--
R2) 0,0,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,:
 Number new nodes in level n is given by : 1,1,   DONE

----------------------------Class
118-----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][021][100][102][110][120][201][210]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,--
R2) 0,0,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,:
 Number new nodes in level n is given by : 1,1,   DONE

----------------------------Class
```

119--
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][021][101][102][110][120][201][210]]

--
Rules of T[L]:
R1) 0,-->0,0,--0,--
R2) 0,0,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,:
 Number new nodes in level n is given by : 1,1,   DONE

-----------------------------Class
120--
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][010][100][101][102][110][120][201][210]]

--
Rules of T[L]:
R1) 0,-->0,0,--0,--
R2) 0,0,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,:
 Number new nodes in level n is given by : 1,1,   DONE

-----------------------------Class
121--
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][011][012][021][100][101][102][110][120]]

--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->
R3) 0,1,-->0,0,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

-----------------------------Class
122--
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][011][012][021][100][101][102][110][201]]

--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--

```
R2) 0,0,-->
R3) 0,1,-->0,0,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

----------------------------Class
123-----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][011][012][021][100][101][102][110][210]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->
R3) 0,1,-->0,0,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

----------------------------Class
124-----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][011][012][021][100][101][102][120][201]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->
R3) 0,1,-->0,0,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

----------------------------Class
125-----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][011][012][021][100][101][102][120][210]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->
R3) 0,1,-->0,0,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
```

```
 Number new nodes in level n is given by : 1,2,   DONE

----------------------------Class
126-----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][011][012][021][100][101][102][201][210]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->
R3) 0,1,-->0,0,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

----------------------------Class
127-----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][011][012][021][100][101][110][120][201]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->
R3) 0,1,-->0,0,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

----------------------------Class
128-----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][011][012][021][100][101][110][120][210]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->
R3) 0,1,-->0,0,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

----------------------------Class
129-----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
```

```
L=[[000][001][011][012][021][100][101][110][201][210]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->
R3) 0,1,-->0,0,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

------------------------------Class
130-----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][011][012][021][100][101][120][201][210]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->
R3) 0,1,-->0,0,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

------------------------------Class
131-----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][011][012][021][100][102][110][120][201]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->
R3) 0,1,-->0,0,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

------------------------------Class
132-----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][011][012][021][100][102][110][120][210]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
```

```
R2) 0,0,-->
R3) 0,1,-->0,0,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

----------------------------Class
133-----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][011][012][021][100][102][110][201][210]]
------------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->
R3) 0,1,-->0,0,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

----------------------------Class
134-----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][011][012][021][100][102][120][201][210]]
------------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->
R3) 0,1,-->0,0,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

----------------------------Class
135-----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][011][012][021][100][110][120][201][210]]
------------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->
R3) 0,1,-->0,0,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
```

```
 Number new nodes in level n is given by : 1,2,   DONE

----------------------------Class
136---------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][011][012][021][101][102][110][120][201]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->
R3) 0,1,-->0,0,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

----------------------------Class
137---------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][011][012][021][101][102][110][120][210]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->
R3) 0,1,-->0,0,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

----------------------------Class
138---------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][011][012][021][101][102][110][201][210]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->
R3) 0,1,-->0,0,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

----------------------------Class
139---------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
```

```
L=[[000][001][011][012][021][101][102][120][201][210]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->
R3) 0,1,-->0,0,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

-----------------------------Class
140-----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][011][012][021][101][110][120][201][210]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->
R3) 0,1,-->0,0,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

-----------------------------Class
141-----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][011][012][021][102][110][120][201][210]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->
R3) 0,1,-->0,0,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

-----------------------------Class
142-----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][011][012][100][101][102][110][120][201]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
```

```
R2) 0,0,-->
R3) 0,1,-->0,0,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

----------------------------Class
143-----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][011][012][100][101][102][110][120][210]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->
R3) 0,1,-->0,0,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

----------------------------Class
144-----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][011][012][100][101][102][110][201][210]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->
R3) 0,1,-->0,0,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

----------------------------Class
145-----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][011][012][100][101][102][120][201][210]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->
R3) 0,1,-->0,0,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
```

```
 Number new nodes in level n is given by : 1,2,   DONE

----------------------------Class
146---------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][011][012][100][101][110][120][201][210]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->
R3) 0,1,-->0,0,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

----------------------------Class
147---------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][011][012][100][102][110][120][201][210]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->
R3) 0,1,-->0,0,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

----------------------------Class
148---------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][011][012][101][102][110][120][201][210]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->
R3) 0,1,-->0,0,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

----------------------------Class
149---------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
```

```
L=[[000][001][011][021][100][101][102][110][120][201]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->
R3) 0,1,-->0,0,--0,1,2,--
R4) 0,1,2,-->0,1,2,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
LEN=3) 0,1,2,:
 Number new nodes in level n is given by : 1,2,1,   DONE

----------------------------Class
150-----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][011][021][100][101][102][110][120][210]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->
R3) 0,1,-->0,0,--0,1,2,--
R4) 0,1,2,-->0,1,2,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
LEN=3) 0,1,2,:
 Number new nodes in level n is given by : 1,2,1,   DONE

----------------------------Class
151-----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][011][021][100][101][102][110][201][210]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,--
R2) 0,0,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,:
 Number new nodes in level n is given by : 1,1,   DONE

----------------------------Class
152-----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][011][021][100][101][102][120][201][210]]
--------------------------------------------------------------------------------
```

```
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->
R3) 0,1,-->0,0,--0,1,2,--
R4) 0,1,2,-->0,1,2,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
LEN=3) 0,1,2,:
 Number new nodes in level n is given by : 1,2,1,   DONE

------------------------------Class
153---------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][011][021][100][101][110][120][201][210]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->
R3) 0,1,-->0,0,--0,1,2,--
R4) 0,1,2,-->0,1,2,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
LEN=3) 0,1,2,:
 Number new nodes in level n is given by : 1,2,1,   DONE

------------------------------Class
154---------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][011][021][100][102][110][120][201][210]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->
R3) 0,1,-->0,0,--0,1,2,--
R4) 0,1,2,-->0,1,2,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
LEN=3) 0,1,2,:
 Number new nodes in level n is given by : 1,2,1,   DONE

------------------------------Class
155---------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][011][021][101][102][110][120][201][210]]
```

```
------------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->
R3) 0,1,-->0,0,--0,1,2,--
R4) 0,1,2,-->0,1,2,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
LEN=3) 0,1,2,:
 Number new nodes in level n is given by : 1,2,1,   DONE

-----------------------------Class
156-----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][011][100][101][102][110][120][201][210]]
------------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->
R3) 0,1,-->0,0,--0,1,2,--
R4) 0,1,2,-->0,1,2,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
LEN=3) 0,1,2,:
 Number new nodes in level n is given by : 1,2,1,   DONE

-----------------------------Class
157-----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][012][021][100][101][102][110][120][201]]
------------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->
R3) 0,1,-->0,0,--0,0,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

-----------------------------Class
158-----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][012][021][100][101][102][110][120][210]]
------------------------------------------------------------------------------------
```

```
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->
R3) 0,1,-->0,0,--0,0,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

----------------------------Class
159----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][012][021][100][101][102][110][201][210]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->
R3) 0,1,-->0,0,--0,0,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

----------------------------Class
160----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][012][021][100][101][102][120][201][210]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->
R3) 0,1,-->0,0,--0,1,1,--
R4) 0,1,1,-->0,0,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
LEN=3) 0,1,1,:
 Number new nodes in level n is given by : 1,2,1,   DONE

----------------------------Class
161----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][012][021][100][101][110][120][201][210]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
```

```
R2) 0,0,-->
R3) 0,1,-->0,0,--0,0,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

----------------------------Class
162-----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][012][021][100][102][110][120][201][210]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->
R3) 0,1,-->0,0,--0,0,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

----------------------------Class
163-----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][012][021][101][102][110][120][201][210]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->
R3) 0,1,-->0,0,--0,0,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

----------------------------Class
164-----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][012][100][101][102][110][120][201][210]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->
R3) 0,1,-->0,0,--0,0,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
```

```
 Number new nodes in level n is given by : 1,2,   DONE

----------------------------Class
165---------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][001][021][100][101][102][110][120][201][210]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->
R3) 0,1,-->0,0,--0,0,--0,1,2,--
R4) 0,1,2,-->0,0,--0,1,2,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
LEN=3) 0,1,2,:
 Number new nodes in level n is given by : 1,2,1,   DONE

----------------------------Class
166---------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][010][011][012][021][100][101][102][110][120]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->0,1,--0,1,--
R3) 0,1,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

----------------------------Class
167---------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][010][011][012][021][100][101][102][110][201]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->0,1,--0,1,--
R3) 0,1,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

----------------------------Class
```

168--
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][010][011][012][021][100][101][102][110][210]]

--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->0,1,--0,1,--
R3) 0,1,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

----------------------------Class
169--
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][010][011][012][021][100][101][102][120][201]]

--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->0,1,--0,1,--
R3) 0,1,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

----------------------------Class
170--
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][010][011][012][021][100][101][102][120][210]]

--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->0,1,--0,1,--
R3) 0,1,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

----------------------------Class
171--
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][010][011][012][021][100][101][102][201][210]]

--

```
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->0,1,--0,1,--
R3) 0,1,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

------------------------------Class
172----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][010][011][012][021][100][101][110][120][201]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->0,1,--0,1,--
R3) 0,1,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

------------------------------Class
173----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][010][011][012][021][100][101][110][120][210]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->0,1,--0,1,--
R3) 0,1,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

------------------------------Class
174----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][010][011][012][021][100][101][110][201][210]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->0,1,--0,1,--
R3) 0,1,-->
List of different nodes in T[L]
```

```
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

----------------------------Class
175---------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][010][011][012][021][100][101][120][201][210]]
-------------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->0,1,--0,1,--
R3) 0,1,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

----------------------------Class
176---------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][010][011][012][021][100][102][110][120][201]]
-------------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->0,1,--0,1,--
R3) 0,1,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

----------------------------Class
177---------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][010][011][012][021][100][102][110][120][210]]
-------------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->0,1,--0,1,--
R3) 0,1,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

----------------------------Class
```

178--
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][010][011][012][021][100][102][110][201][210]]

--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->0,1,--0,1,--
R3) 0,1,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

----------------------------Class
179--
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][010][011][012][021][100][102][120][201][210]]

--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->0,1,--0,1,--
R3) 0,1,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

----------------------------Class
180--
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][010][011][012][021][100][110][120][201][210]]

--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->0,1,--0,1,--
R3) 0,1,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

----------------------------Class
181--
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][010][011][012][021][101][102][110][120][201]]

--

```
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->0,1,--0,1,--
R3) 0,1,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

------------------------------Class
182----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][010][011][012][021][101][102][110][120][210]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->0,1,--0,1,--
R3) 0,1,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

------------------------------Class
183----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][010][011][012][021][101][102][110][201][210]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->0,1,--0,1,--
R3) 0,1,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

------------------------------Class
184----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][010][011][012][021][101][102][120][201][210]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->0,1,--0,1,--
R3) 0,1,-->
List of different nodes in T[L]
```

```
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

----------------------------Class
185----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][010][011][012][021][101][110][120][201][210]]
-------------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->0,1,--0,1,--
R3) 0,1,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

----------------------------Class
186----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][010][011][012][021][102][110][120][201][210]]
-------------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->0,1,--0,1,--
R3) 0,1,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

----------------------------Class
187----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][010][011][012][100][101][102][110][120][201]]
-------------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->0,1,--0,0,2,--
R3) 0,1,-->
R4) 0,0,2,-->0,1,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
LEN=3) 0,0,2,:
 Number new nodes in level n is given by : 1,2,1,   DONE
```

```
----------------------------Class
188---------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][010][011][012][100][101][102][110][120][210]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->0,1,--0,0,2,--
R3) 0,1,-->
R4) 0,0,2,-->0,1,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
LEN=3) 0,0,2,:
 Number new nodes in level n is given by : 1,2,1,   DONE

----------------------------Class
189---------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][010][011][012][100][101][102][110][201][210]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->0,1,--0,0,2,--
R3) 0,1,-->
R4) 0,0,2,-->0,1,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
LEN=3) 0,0,2,:
 Number new nodes in level n is given by : 1,2,1,   DONE

----------------------------Class
190---------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][010][011][012][100][101][102][120][201][210]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->0,1,--0,0,2,--
R3) 0,1,-->
R4) 0,0,2,-->0,1,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
LEN=3) 0,0,2,:
```

```
 Number new nodes in level n is given by : 1,2,1,   DONE

-----------------------------Class
191-----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][010][011][012][100][101][110][120][201][210]]
-------------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->0,1,--0,0,2,--
R3) 0,1,-->
R4) 0,0,2,-->0,1,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
LEN=3) 0,0,2,:
 Number new nodes in level n is given by : 1,2,1,   DONE

-----------------------------Class
192-----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][010][011][012][100][102][110][120][201][210]]
-------------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->0,1,--0,0,2,--
R3) 0,1,-->
R4) 0,0,2,-->0,1,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
LEN=3) 0,0,2,:
 Number new nodes in level n is given by : 1,2,1,   DONE

-----------------------------Class
193-----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][010][011][012][101][102][110][120][201][210]]
-------------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->0,1,--0,0,2,--
R3) 0,1,-->
R4) 0,0,2,-->0,1,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
```

```
LEN=3) 0,0,2,:
 Number new nodes in level n is given by : 1,2,1,   DONE

-----------------------------Class
194-----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][010][011][021][100][101][102][110][120][201]]
-------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,-0,1,-
R2) 0,1,-->0,1,-
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,1,:
 Number new nodes in level n is given by : 1,1,   DONE

-----------------------------Class
195-----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][010][011][021][100][101][102][110][120][210]]
-------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,-0,1,-
R2) 0,1,-->0,1,-
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,1,:
 Number new nodes in level n is given by : 1,1,   DONE

-----------------------------Class
196-----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][010][011][021][100][101][102][110][201][210]]
-------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,-0,1,-
R2) 0,1,-->0,1,-
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,1,:
 Number new nodes in level n is given by : 1,1,   DONE

-----------------------------Class
197-----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][010][011][021][100][101][102][120][201][210]]
-------------------------------------------------------------------------------
```

```
--
Rules of T[L]:
R1) 0,-->0,--0,1,--
R2) 0,1,-->0,1,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,1,:
 Number new nodes in level n is given by : 1,1,   DONE

-----------------------------Class
198-----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][010][011][021][100][101][110][120][201][210]]
------------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,--0,1,--
R2) 0,1,-->0,1,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,1,:
 Number new nodes in level n is given by : 1,1,   DONE

-----------------------------Class
199-----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][010][011][021][100][102][110][120][201][210]]
------------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,--0,1,--
R2) 0,1,-->0,1,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,1,:
 Number new nodes in level n is given by : 1,1,   DONE

-----------------------------Class
200-----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][010][011][021][101][102][110][120][201][210]]
------------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,--0,1,--
R2) 0,1,-->0,1,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,1,:
 Number new nodes in level n is given by : 1,1,   DONE
```

```
-----------------------------Class
201-----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][010][011][100][101][102][110][120][201][210]]
-------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->0,0,--0,0,2,--
R3) 0,1,-->0,1,--
R4) 0,0,2,-->0,0,2,1,--0,1,--
R5) 0,0,2,1,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
LEN=3) 0,0,2,:
LEN=4) 0,0,2,1,:
 Number new nodes in level n is given by : 1,2,1,1,   DONE

-----------------------------Class
202-----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][010][012][021][100][101][102][110][120][201]]
-------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->0,1,--0,1,--
R3) 0,1,-->0,1,1,--
R4) 0,1,1,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
LEN=3) 0,1,1,:
 Number new nodes in level n is given by : 1,2,1,   DONE

-----------------------------Class
203-----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][010][012][021][100][101][102][110][120][210]]
-------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->0,1,--0,1,--
R3) 0,1,-->0,1,1,--
R4) 0,1,1,-->
List of different nodes in T[L]
LEN=1) 0,:
```

LEN=2) 0,0,: 0,1,:
LEN=3) 0,1,1,:
 Number new nodes in level n is given by : 1,2,1,   DONE

----------Class
204----------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][010][012][021][100][101][102][110][201][210]]

--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->0,1,--0,1,--
R3) 0,1,-->0,1,1,--
R4) 0,1,1,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
LEN=3) 0,1,1,:
 Number new nodes in level n is given by : 1,2,1,   DONE

----------Class
205----------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][010][012][021][100][101][102][120][201][210]]

--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->0,1,--0,1,--
R3) 0,1,-->0,1,1,--
R4) 0,1,1,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
LEN=3) 0,1,1,:
 Number new nodes in level n is given by : 1,2,1,   DONE

----------Class
206----------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][010][012][021][100][101][110][120][201][210]]

--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->0,1,--0,1,--
R3) 0,1,-->0,1,1,--
R4) 0,1,1,-->
List of different nodes in T[L]

LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
LEN=3) 0,1,1,:
 Number new nodes in level n is given by : 1,2,1,   DONE

----------Class
207----------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][010][012][021][100][102][110][120][201][210]]

--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->0,1,--0,1,--
R3) 0,1,-->0,1,1,--
R4) 0,1,1,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
LEN=3) 0,1,1,:
 Number new nodes in level n is given by : 1,2,1,   DONE

----------Class
208----------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][010][012][021][101][102][110][120][201][210]]

--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->0,1,--0,1,--
R3) 0,1,-->0,1,1,--
R4) 0,1,1,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
LEN=3) 0,1,1,:
 Number new nodes in level n is given by : 1,2,1,   DONE

----------Class
209----------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][010][012][100][101][102][110][120][201][210]]

--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->0,1,--0,0,2,--
R3) 0,1,-->0,1,1,--
R4) 0,0,2,-->0,1,1,--0,1,1,--

R5) 0,1,1,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
LEN=3) 0,0,2,: 0,1,1,:
 Number new nodes in level n is given by : 1,2,2,   DONE

----------Class
210----------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][010][021][100][101][102][110][120][201][210]]

--
Rules of T[L]:
R1) 0,-->0,0,--0,--
R2) 0,0,-->0,0,1,--0,--
R3) 0,0,1,-->0,0,1,1,--0,0,1,--0,--
R4) 0,0,1,1,-->0,0,1,1,2,--0,0,1,--0,--
R5) 0,0,1,1,2,-->0,0,1,1,2,2,--0,0,1,1,2,--0,0,1,--0,--
R6) 0,0,1,1,2,2,-->0,0,1,1,2,2,3,--0,0,1,1,2,--0,0,1,--0,--
R7) 0,0,1,1,2,2,3,-->0,0,1,1,2,2,3,3,--0,0,1,1,2,2,3,--0,0,1,1,2,--0,0,1,--0,--
R8) 0,0,1,1,2,2,3,3,-->0,0,1,1,2,2,3,3,4,--0,0,1,1,2,2,3,--0,0,1,1,2,--0,0,1,--0,--
R9)
0,0,1,1,2,2,3,3,4,-->0,0,1,1,2,2,3,3,4,4,--0,0,1,1,2,2,3,3,4,--0,0,1,1,2,2,3,--0,0,
1,1,2,--0,0,1,--0,--
R10)
0,0,1,1,2,2,3,3,4,4,-->0,0,1,1,2,2,3,3,4,4,5,--0,0,1,1,2,2,3,3,4,--0,0,1,1,2,2,3,--
0,0,1,1,2,--0,0,1,--0,--
R11)
0,0,1,1,2,2,3,3,4,4,5,-->0,0,1,1,2,2,3,3,4,4,5,5,--0,0,1,1,2,2,3,3,4,4,5,--0,0,1,1,
2,2,3,3,4,--0,0,1,1,2,2,3,--0,0,1,1,2,--0,0,1,--0,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,:
LEN=3) 0,0,1,:
LEN=4) 0,0,1,1,:
LEN=5) 0,0,1,1,2,:
LEN=6) 0,0,1,1,2,2,:
LEN=7) 0,0,1,1,2,2,3,:
LEN=8) 0,0,1,1,2,2,3,3,:
LEN=9) 0,0,1,1,2,2,3,3,4,:
LEN=10) 0,0,1,1,2,2,3,3,4,4,:
LEN=11) 0,0,1,1,2,2,3,3,4,4,5,:
LEN=12) 0,0,1,1,2,2,3,3,4,4,5,5,:
 Number new nodes in level n is given by : 1,1,1,1,1,1,1,1,1,1,1,1,

----------Class
211----------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][011][012][021][100][101][102][110][120][201]]

```
------------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->0,0,1,--0,0,1,--
R3) 0,1,-->0,0,1,--
R4) 0,0,1,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
LEN=3) 0,0,1,:
 Number new nodes in level n is given by : 1,2,1,   DONE

-----------------------------Class
212----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][011][012][021][100][101][102][110][120][210]]
------------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->0,0,1,--0,0,1,--
R3) 0,1,-->0,0,1,--
R4) 0,0,1,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
LEN=3) 0,0,1,:
 Number new nodes in level n is given by : 1,2,1,   DONE

-----------------------------Class
213----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][011][012][021][100][101][102][110][201][210]]
------------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->0,0,1,--0,0,1,--
R3) 0,1,-->0,0,1,--
R4) 0,0,1,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
LEN=3) 0,0,1,:
 Number new nodes in level n is given by : 1,2,1,   DONE

-----------------------------Class
214----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
```

```
L=[[000][011][012][021][100][101][102][120][201][210]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->0,0,1,--0,0,1,--
R3) 0,1,-->0,0,1,--
R4) 0,0,1,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
LEN=3) 0,0,1,:
 Number new nodes in level n is given by : 1,2,1,   DONE

----------------------------Class
215-----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][011][012][021][100][101][110][120][201][210]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->0,0,1,--0,0,1,--
R3) 0,1,-->0,0,1,--
R4) 0,0,1,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
LEN=3) 0,0,1,:
 Number new nodes in level n is given by : 1,2,1,   DONE

----------------------------Class
216-----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][011][012][021][100][102][110][120][201][210]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->0,0,1,--0,0,1,--
R3) 0,1,-->0,0,1,--
R4) 0,0,1,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
LEN=3) 0,0,1,:
 Number new nodes in level n is given by : 1,2,1,   DONE

----------------------------Class
217-----------------------------------------------
```

```
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][011][012][021][101][102][110][120][201][210]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->0,0,1,--0,0,1,--
R3) 0,1,-->0,0,1,--
R4) 0,0,1,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
LEN=3) 0,0,1,:
 Number new nodes in level n is given by : 1,2,1,   DONE

-----------------------------Class
218-----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][011][012][100][101][102][110][120][201][210]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->0,0,1,--0,1,--
R3) 0,1,-->0,0,1,--
R4) 0,0,1,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
LEN=3) 0,0,1,:
 Number new nodes in level n is given by : 1,2,1,   DONE

-----------------------------Class
219-----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][011][021][100][101][102][110][120][201][210]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->0,0,--0,0,2,--
R3) 0,1,-->0,1,0,--0,0,2,--
R4) 0,0,2,-->0,0,2,--
R5) 0,1,0,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
LEN=3) 0,0,2,: 0,1,0,:
 Number new nodes in level n is given by : 1,2,2,   DONE
```

```
----------------------------Class
220---------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[000][012][021][100][101][102][110][120][201][210]]
-------------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->0,0,1,--0,0,1,--
R3) 0,1,-->0,1,0,--0,1,0,--
R4) 0,0,1,-->0,1,0,--
R5) 0,1,0,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
LEN=3) 0,0,1,: 0,1,0,:
 Number new nodes in level n is given by : 1,2,2,   DONE

----------------------------Class
221---------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[001][010][011][012][021][100][101][102][110][120]]
-------------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->0,0,--
R3) 0,1,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

----------------------------Class
222---------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[001][010][011][012][021][100][101][102][110][201]]
-------------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->0,0,--
R3) 0,1,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

----------------------------Class
223---------------------------------------------
```

```
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[001][010][011][012][021][100][101][102][110][210]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->0,0,--
R3) 0,1,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

-----------------------------Class
224-----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[001][010][011][012][021][100][101][102][120][201]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->0,0,--
R3) 0,1,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

-----------------------------Class
225-----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[001][010][011][012][021][100][101][102][120][210]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->0,0,--
R3) 0,1,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

-----------------------------Class
226-----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[001][010][011][012][021][100][101][102][201][210]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
```

```
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->0,0,--
R3) 0,1,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

------------------------------Class
227----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[001][010][011][012][021][100][101][110][120][201]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->0,0,--
R3) 0,1,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

------------------------------Class
228----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[001][010][011][012][021][100][101][110][120][210]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->0,0,--
R3) 0,1,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

------------------------------Class
229----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[001][010][011][012][021][100][101][110][201][210]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->0,0,--
R3) 0,1,-->
List of different nodes in T[L]
LEN=1) 0,:
```

LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

----------Class
230----------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[001][010][011][012][021][100][101][120][201][210]]

--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->0,0,--
R3) 0,1,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

----------Class
231----------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[001][010][011][012][021][100][102][110][120][201]]

--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->0,0,--
R3) 0,1,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

----------Class
232----------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[001][010][011][012][021][100][102][110][120][210]]

--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->0,0,--
R3) 0,1,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

----------Class
233----------

```
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[001][010][011][012][021][100][102][110][201][210]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->0,0,--
R3) 0,1,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

----------------------------Class
234---------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[001][010][011][012][021][100][102][120][201][210]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->0,0,--
R3) 0,1,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

----------------------------Class
235---------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[001][010][011][012][021][100][110][120][201][210]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->0,0,--
R3) 0,1,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

----------------------------Class
236---------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[001][010][011][012][021][101][102][110][120][201]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
```

```
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->0,0,--
R3) 0,1,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

------------------------------Class
237----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[001][010][011][012][021][101][102][110][120][210]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->0,0,--
R3) 0,1,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

------------------------------Class
238----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[001][010][011][012][021][101][102][110][201][210]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->0,0,--
R3) 0,1,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

------------------------------Class
239----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[001][010][011][012][021][101][102][120][201][210]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->0,0,--
R3) 0,1,-->
List of different nodes in T[L]
LEN=1) 0,:
```

```
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

----------------------------Class
240---------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[001][010][011][012][021][101][110][120][201][210]]
-------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->0,0,--
R3) 0,1,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

----------------------------Class
241---------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[001][010][011][012][021][102][110][120][201][210]]
-------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->0,0,--
R3) 0,1,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

----------------------------Class
242---------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[001][010][011][012][100][101][102][110][120][201]]
-------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->0,0,--
R3) 0,1,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

----------------------------Class
243---------------------------------------------
```

```
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[001][010][011][012][100][101][102][110][120][210]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->0,0,--
R3) 0,1,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

-----------------------------Class
244-----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[001][010][011][012][100][101][102][110][201][210]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->0,0,--
R3) 0,1,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

-----------------------------Class
245-----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[001][010][011][012][100][101][102][120][201][210]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->0,0,--
R3) 0,1,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

-----------------------------Class
246-----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[001][010][011][012][100][101][110][120][201][210]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
```

```
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->0,0,--
R3) 0,1,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

------------------------------Class
247----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[001][010][011][012][100][102][110][120][201][210]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->0,0,--
R3) 0,1,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

------------------------------Class
248----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[001][010][011][012][101][102][110][120][201][210]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->0,0,--
R3) 0,1,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
 Number new nodes in level n is given by : 1,2,   DONE

------------------------------Class
249----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[001][010][011][021][100][101][102][110][120][201]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,0,--
R2) 0,0,-->0,0,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,:
```

```
 Number new nodes in level n is given by : 1,1,   DONE

----------------------------Class
250-----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[001][010][011][021][100][101][102][110][120][210]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,0,--
R2) 0,0,-->0,0,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,:
 Number new nodes in level n is given by : 1,1,   DONE

----------------------------Class
251-----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[001][010][011][021][100][101][102][110][201][210]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,0,--
R2) 0,0,-->0,0,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,:
 Number new nodes in level n is given by : 1,1,   DONE

----------------------------Class
252-----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[001][010][011][021][100][101][102][120][201][210]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,0,--
R2) 0,0,-->0,0,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,:
 Number new nodes in level n is given by : 1,1,   DONE

----------------------------Class
253-----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[001][010][011][021][100][101][110][120][201][210]]
--------------------------------------------------------------------------------
--
```

```
Rules of T[L]:
R1) 0,-->0,0,--0,0,--
R2) 0,0,-->0,0,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,:
 Number new nodes in level n is given by : 1,1,   DONE

-----------------------------Class
254----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[001][010][011][021][100][102][110][120][201][210]]
-------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,0,--
R2) 0,0,-->0,0,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,:
 Number new nodes in level n is given by : 1,1,   DONE

-----------------------------Class
255----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[001][010][011][021][101][102][110][120][201][210]]
-------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,0,--
R2) 0,0,-->0,0,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,:
 Number new nodes in level n is given by : 1,1,   DONE

-----------------------------Class
256----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[001][010][011][100][101][102][110][120][201][210]]
-------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,0,--
R2) 0,0,-->0,0,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,:
 Number new nodes in level n is given by : 1,1,   DONE
```

```
----------------------------Class
257---------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[001][010][012][021][100][101][102][110][120][201]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,0,--
R2) 0,0,-->0,0,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,:
 Number new nodes in level n is given by : 1,1,   DONE

----------------------------Class
258---------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[001][010][012][021][100][101][102][110][120][210]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,0,--
R2) 0,0,-->0,0,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,:
 Number new nodes in level n is given by : 1,1,   DONE

----------------------------Class
259---------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[001][010][012][021][100][101][102][110][201][210]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,0,--
R2) 0,0,-->0,0,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,:
 Number new nodes in level n is given by : 1,1,   DONE

----------------------------Class
260---------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[001][010][012][021][100][101][102][120][201][210]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,0,--
```

```
R2) 0,0,-->0,0,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,:
 Number new nodes in level n is given by : 1,1,   DONE

------------------------------Class
261----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[001][010][012][021][100][101][110][120][201][210]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,0,--
R2) 0,0,-->0,0,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,:
 Number new nodes in level n is given by : 1,1,   DONE

------------------------------Class
262----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[001][010][012][021][100][102][110][120][201][210]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,0,--
R2) 0,0,-->0,0,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,:
 Number new nodes in level n is given by : 1,1,   DONE

------------------------------Class
263----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[001][010][012][021][101][102][110][120][201][210]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,0,--
R2) 0,0,-->0,0,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,:
 Number new nodes in level n is given by : 1,1,   DONE

------------------------------Class
264----------------------------------------------
```

```
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[001][010][012][100][101][102][110][120][201][210]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,0,--
R2) 0,0,-->0,0,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,:
 Number new nodes in level n is given by : 1,1,   DONE

-----------------------------Class
265-----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[001][010][021][100][101][102][110][120][201][210]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,--
R2) 0,0,-->0,0,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,:
 Number new nodes in level n is given by : 1,1,   DONE

-----------------------------Class
266-----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[001][011][012][021][100][101][102][110][120][201]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->0,0,--
R3) 0,1,-->0,1,0,--
R4) 0,1,0,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
LEN=3) 0,1,0,:
 Number new nodes in level n is given by : 1,2,1,   DONE

-----------------------------Class
267-----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[001][011][012][021][100][101][102][110][120][210]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
```

```
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->0,0,--
R3) 0,1,-->0,1,0,--
R4) 0,1,0,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
LEN=3) 0,1,0,:
 Number new nodes in level n is given by : 1,2,1,   DONE

-----------------------------Class
268----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[001][011][012][021][100][101][102][110][201][210]]
-------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->0,0,--
R3) 0,1,-->0,1,0,--
R4) 0,1,0,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
LEN=3) 0,1,0,:
 Number new nodes in level n is given by : 1,2,1,   DONE

-----------------------------Class
269----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[001][011][012][021][100][101][102][120][201][210]]
-------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->0,0,--
R3) 0,1,-->0,1,0,--
R4) 0,1,0,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
LEN=3) 0,1,0,:
 Number new nodes in level n is given by : 1,2,1,   DONE

-----------------------------Class
270----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[001][011][012][021][100][101][110][120][201][210]]
-------------------------------------------------------------------------------
--
```

```
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->0,0,--
R3) 0,1,-->0,1,0,--
R4) 0,1,0,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
LEN=3) 0,1,0,:
 Number new nodes in level n is given by : 1,2,1,   DONE

------------------------------Class
271-----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[001][011][012][021][100][102][110][120][201][210]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->0,0,--
R3) 0,1,-->0,1,0,--
R4) 0,1,0,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
LEN=3) 0,1,0,:
 Number new nodes in level n is given by : 1,2,1,   DONE

------------------------------Class
272-----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[001][011][012][021][101][102][110][120][201][210]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,0,--
R2) 0,0,-->0,0,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,:
 Number new nodes in level n is given by : 1,1,   DONE

------------------------------Class
273-----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[001][011][012][100][101][102][110][120][201][210]]
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
```

```
R2) 0,0,-->0,0,--
R3) 0,1,-->0,1,0,--
R4) 0,1,0,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
LEN=3) 0,1,0,:
 Number new nodes in level n is given by : 1,2,1,   DONE

------------------------------Class
274-----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[001][011][021][100][101][102][110][120][201][210]]
-------------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->0,0,--
R3) 0,1,-->0,1,0,--0,0,--
R4) 0,1,0,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
LEN=3) 0,1,0,:
 Number new nodes in level n is given by : 1,2,1,   DONE

------------------------------Class
275-----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[001][012][021][100][101][102][110][120][201][210]]
-------------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->0,0,--
R3) 0,1,-->0,1,0,--0,0,--
R4) 0,1,0,-->
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
LEN=3) 0,1,0,:
 Number new nodes in level n is given by : 1,2,1,   DONE

------------------------------Class
276-----------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[010][011][012][021][100][101][102][110][120][201]]
-------------------------------------------------------------------------------------
--
Rules of T[L]:
```

```
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->0,0,0,--0,1,--0,1,--
R3) 0,1,-->
R4) 0,0,0,-->0,0,0,0,--0,1,--0,1,--0,1,--
R5) 0,0,0,0,-->0,0,0,0,0,--0,1,--0,1,--0,1,--0,1,--
R6) 0,0,0,0,0,-->0,0,0,0,0,0,--0,1,--0,1,--0,1,--0,1,--0,1,--
R7) 0,0,0,0,0,0,-->0,0,0,0,0,0,0,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,--
R8) 0,0,0,0,0,0,0,-->0,0,0,0,0,0,0,0,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,--
R9)
0,0,0,0,0,0,0,0,-->0,0,0,0,0,0,0,0,0,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,--0,
1,--
R10)
0,0,0,0,0,0,0,0,0,-->0,0,0,0,0,0,0,0,0,0,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,
--0,1,--0,1,--
R11)
0,0,0,0,0,0,0,0,0,0,-->0,0,0,0,0,0,0,0,0,0,0,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,--
0,1,--0,1,--0,1,--0,1,--
R12)
0,0,0,0,0,0,0,0,0,0,0,-->0,0,0,0,0,0,0,0,0,0,0,0,--0,1,--0,1,--0,1,--0,1,--0,1,--0,
1,--0,1,--0,1,--0,1,--0,1,--0,1,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
LEN=3) 0,0,0,:
LEN=4) 0,0,0,0,:
LEN=5) 0,0,0,0,0,:
LEN=6) 0,0,0,0,0,0,:
LEN=7) 0,0,0,0,0,0,0,:
LEN=8) 0,0,0,0,0,0,0,0,:
LEN=9) 0,0,0,0,0,0,0,0,0,:
LEN=10) 0,0,0,0,0,0,0,0,0,0,:
LEN=11) 0,0,0,0,0,0,0,0,0,0,0,:
LEN=12) 0,0,0,0,0,0,0,0,0,0,0,0,:
 Number new nodes in level n is given by : 1,2,1,1,1,1,1,1,1,1,1,1,

----------------------------Class
277---------------------------------------------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[010][011][012][021][100][101][102][110][120][210]]
------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->0,0,0,--0,1,--0,1,--
R3) 0,1,-->
R4) 0,0,0,-->0,0,0,0,--0,1,--0,1,--0,1,--
R5) 0,0,0,0,-->0,0,0,0,0,--0,1,--0,1,--0,1,--0,1,--
R6) 0,0,0,0,0,-->0,0,0,0,0,0,--0,1,--0,1,--0,1,--0,1,--0,1,--
R7) 0,0,0,0,0,0,-->0,0,0,0,0,0,0,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,--
R8) 0,0,0,0,0,0,0,-->0,0,0,0,0,0,0,0,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,--
```

R9)
0,0,0,0,0,0,0,0,0,-->0,0,0,0,0,0,0,0,0,0,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,--0,
1,--
R10)
0,0,0,0,0,0,0,0,0,0,-->0,0,0,0,0,0,0,0,0,0,0,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,
--0,1,--0,1,--
R11)
0,0,0,0,0,0,0,0,0,0,0,-->0,0,0,0,0,0,0,0,0,0,0,0,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,--
0,1,--0,1,--0,1,--0,1,--
R12)
0,0,0,0,0,0,0,0,0,0,0,0,-->0,0,0,0,0,0,0,0,0,0,0,0,0,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,--0,
1,--0,1,--0,1,--0,1,--0,1,--0,1,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
LEN=3) 0,0,0,:
LEN=4) 0,0,0,0,:
LEN=5) 0,0,0,0,0,:
LEN=6) 0,0,0,0,0,0,:
LEN=7) 0,0,0,0,0,0,0,:
LEN=8) 0,0,0,0,0,0,0,0,:
LEN=9) 0,0,0,0,0,0,0,0,0,:
LEN=10) 0,0,0,0,0,0,0,0,0,0,:
LEN=11) 0,0,0,0,0,0,0,0,0,0,0,:
LEN=12) 0,0,0,0,0,0,0,0,0,0,0,0,:
 Number new nodes in level n is given by : 1,2,1,1,1,1,1,1,1,1,1,1,

----------------------------Class
278--
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[010][011][012][021][100][101][102][110][201][210]]

--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->0,0,0,--0,1,--0,1,--
R3) 0,1,-->
R4) 0,0,0,-->0,0,0,0,--0,1,--0,1,--0,1,--
R5) 0,0,0,0,-->0,0,0,0,0,--0,1,--0,1,--0,1,--0,1,--
R6) 0,0,0,0,0,-->0,0,0,0,0,0,--0,1,--0,1,--0,1,--0,1,--0,1,--
R7) 0,0,0,0,0,0,-->0,0,0,0,0,0,0,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,--
R8) 0,0,0,0,0,0,0,-->0,0,0,0,0,0,0,0,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,--
R9)
0,0,0,0,0,0,0,0,-->0,0,0,0,0,0,0,0,0,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,--0,
1,--
R10)
0,0,0,0,0,0,0,0,0,-->0,0,0,0,0,0,0,0,0,0,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,
--0,1,--0,1,--
R11)
0,0,0,0,0,0,0,0,0,0,-->0,0,0,0,0,0,0,0,0,0,0,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,--

0,1,--0,1,--0,1,--0,1,--
R12)
0,0,0,0,0,0,0,0,0,0,0,-->0,0,0,0,0,0,0,0,0,0,0,0,0,--0,1,--0,1,--0,1,--0,1,--0,1,--0,
1,--0,1,--0,1,--0,1,--0,1,--0,1,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
LEN=3) 0,0,0,:
LEN=4) 0,0,0,0,:
LEN=5) 0,0,0,0,0,:
LEN=6) 0,0,0,0,0,0,:
LEN=7) 0,0,0,0,0,0,0,:
LEN=8) 0,0,0,0,0,0,0,0,:
LEN=9) 0,0,0,0,0,0,0,0,0,:
LEN=10) 0,0,0,0,0,0,0,0,0,0,:
LEN=11) 0,0,0,0,0,0,0,0,0,0,0,:
LEN=12) 0,0,0,0,0,0,0,0,0,0,0,0,:
 Number new nodes in level n is given by : 1,2,1,1,1,1,1,1,1,1,1,1,

------------------------------Class
279--
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[010][011][012][021][100][101][102][120][201][210]]

--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->0,0,0,--0,1,--0,1,--
R3) 0,1,-->
R4) 0,0,0,-->0,0,0,0,--0,1,--0,1,--0,1,--
R5) 0,0,0,0,-->0,0,0,0,0,0,--0,1,--0,1,--0,1,--0,1,--
R6) 0,0,0,0,0,0,-->0,0,0,0,0,0,0,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,--
R7) 0,0,0,0,0,0,0,-->0,0,0,0,0,0,0,0,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,--
R8) 0,0,0,0,0,0,0,0,-->0,0,0,0,0,0,0,0,0,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,--
R9)
0,0,0,0,0,0,0,0,0,-->0,0,0,0,0,0,0,0,0,0,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,--0,
1,--
R10)
0,0,0,0,0,0,0,0,0,0,-->0,0,0,0,0,0,0,0,0,0,0,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,
--0,1,--0,1,--
R11)
0,0,0,0,0,0,0,0,0,0,0,-->0,0,0,0,0,0,0,0,0,0,0,0,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,--
0,1,--0,1,--0,1,--0,1,--
R12)
0,0,0,0,0,0,0,0,0,0,0,0,-->0,0,0,0,0,0,0,0,0,0,0,0,0,--0,1,--0,1,--0,1,--0,1,--0,1,--0,
1,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
LEN=3) 0,0,0,:

LEN=4) 0,0,0,0,:
LEN=5) 0,0,0,0,0,:
LEN=6) 0,0,0,0,0,0,:
LEN=7) 0,0,0,0,0,0,0,:
LEN=8) 0,0,0,0,0,0,0,0,:
LEN=9) 0,0,0,0,0,0,0,0,0,:
LEN=10) 0,0,0,0,0,0,0,0,0,0,:
LEN=11) 0,0,0,0,0,0,0,0,0,0,0,:
LEN=12) 0,0,0,0,0,0,0,0,0,0,0,0,:
Number new nodes in level n is given by : 1,2,1,1,1,1,1,1,1,1,1,1,

------------------------------Class
280--
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[010][011][012][021][100][101][110][120][201][210]]

--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->0,0,0,--0,1,--0,1,--
R3) 0,1,-->
R4) 0,0,0,-->0,0,0,0,--0,1,--0,1,--0,1,--
R5) 0,0,0,0,-->0,0,0,0,0,--0,1,--0,1,--0,1,--0,1,--
R6) 0,0,0,0,0,-->0,0,0,0,0,0,--0,1,--0,1,--0,1,--0,1,--0,1,--
R7) 0,0,0,0,0,0,-->0,0,0,0,0,0,0,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,--
R8) 0,0,0,0,0,0,0,-->0,0,0,0,0,0,0,0,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,--
R9)
0,0,0,0,0,0,0,0,-->0,0,0,0,0,0,0,0,0,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,--0,
1,--
R10)
0,0,0,0,0,0,0,0,0,-->0,0,0,0,0,0,0,0,0,0,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,
--0,1,--0,1,--
R11)
0,0,0,0,0,0,0,0,0,0,-->0,0,0,0,0,0,0,0,0,0,0,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,--
0,1,--0,1,--0,1,--0,1,--
R12)
0,0,0,0,0,0,0,0,0,0,0,-->0,0,0,0,0,0,0,0,0,0,0,0,--0,1,--0,1,--0,1,--0,1,--0,1,--0,
1,--0,1,--0,1,--0,1,--0,1,--0,1,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
LEN=3) 0,0,0,:
LEN=4) 0,0,0,0,:
LEN=5) 0,0,0,0,0,:
LEN=6) 0,0,0,0,0,0,:
LEN=7) 0,0,0,0,0,0,0,:
LEN=8) 0,0,0,0,0,0,0,0,:
LEN=9) 0,0,0,0,0,0,0,0,0,:
LEN=10) 0,0,0,0,0,0,0,0,0,0,:
LEN=11) 0,0,0,0,0,0,0,0,0,0,0,:

LEN=12) 0,0,0,0,0,0,0,0,0,0,0,0,:
 Number new nodes in level n is given by : 1,2,1,1,1,1,1,1,1,1,1,1,

----------Class
281----------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[010][011][012][021][100][102][110][120][201][210]]

--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->0,0,0,--0,1,--0,1,--
R3) 0,1,-->
R4) 0,0,0,-->0,0,0,0,--0,1,--0,1,--0,1,--
R5) 0,0,0,0,-->0,0,0,0,0,--0,1,--0,1,--0,1,--0,1,--
R6) 0,0,0,0,0,-->0,0,0,0,0,0,--0,1,--0,1,--0,1,--0,1,--0,1,--
R7) 0,0,0,0,0,0,-->0,0,0,0,0,0,0,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,--
R8) 0,0,0,0,0,0,0,-->0,0,0,0,0,0,0,0,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,--
R9)
0,0,0,0,0,0,0,0,-->0,0,0,0,0,0,0,0,0,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,--0,
1,--
R10)
0,0,0,0,0,0,0,0,0,-->0,0,0,0,0,0,0,0,0,0,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,
--0,1,--0,1,--
R11)
0,0,0,0,0,0,0,0,0,0,-->0,0,0,0,0,0,0,0,0,0,0,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,--
0,1,--0,1,--0,1,--0,1,--
R12)
0,0,0,0,0,0,0,0,0,0,0,-->0,0,0,0,0,0,0,0,0,0,0,0,--0,1,--0,1,--0,1,--0,1,--0,1,--0,
1,--0,1,--0,1,--0,1,--0,1,--0,1,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
LEN=3) 0,0,0,:
LEN=4) 0,0,0,0,:
LEN=5) 0,0,0,0,0,:
LEN=6) 0,0,0,0,0,0,:
LEN=7) 0,0,0,0,0,0,0,:
LEN=8) 0,0,0,0,0,0,0,0,:
LEN=9) 0,0,0,0,0,0,0,0,0,:
LEN=10) 0,0,0,0,0,0,0,0,0,0,:
LEN=11) 0,0,0,0,0,0,0,0,0,0,0,:
LEN=12) 0,0,0,0,0,0,0,0,0,0,0,0,:
 Number new nodes in level n is given by : 1,2,1,1,1,1,1,1,1,1,1,1,

----------Class
282----------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[010][011][012][021][101][102][110][120][201][210]]

--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->0,0,0,--0,1,--0,1,--
R3) 0,1,-->
R4) 0,0,0,-->0,0,0,0,--0,1,--0,1,--0,1,--
R5) 0,0,0,0,-->0,0,0,0,0,--0,1,--0,1,--0,1,--0,1,--
R6) 0,0,0,0,0,-->0,0,0,0,0,0,--0,1,--0,1,--0,1,--0,1,--0,1,--
R7) 0,0,0,0,0,0,-->0,0,0,0,0,0,0,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,--
R8) 0,0,0,0,0,0,0,-->0,0,0,0,0,0,0,0,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,--
R9)
0,0,0,0,0,0,0,0,-->0,0,0,0,0,0,0,0,0,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,--0,
1,--
R10)
0,0,0,0,0,0,0,0,0,-->0,0,0,0,0,0,0,0,0,0,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,
--0,1,--0,1,--
R11)
0,0,0,0,0,0,0,0,0,0,-->0,0,0,0,0,0,0,0,0,0,0,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,--
0,1,--0,1,--0,1,--0,1,--
R12)
0,0,0,0,0,0,0,0,0,0,0,-->0,0,0,0,0,0,0,0,0,0,0,0,--0,1,--0,1,--0,1,--0,1,--0,1,--0,
1,--0,1,--0,1,--0,1,--0,1,--0,1,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
LEN=3) 0,0,0,:
LEN=4) 0,0,0,0,:
LEN=5) 0,0,0,0,0,:
LEN=6) 0,0,0,0,0,0,:
LEN=7) 0,0,0,0,0,0,0,:
LEN=8) 0,0,0,0,0,0,0,0,:
LEN=9) 0,0,0,0,0,0,0,0,0,:
LEN=10) 0,0,0,0,0,0,0,0,0,0,:
LEN=11) 0,0,0,0,0,0,0,0,0,0,0,:
LEN=12) 0,0,0,0,0,0,0,0,0,0,0,0,:
 Number new nodes in level n is given by : 1,2,1,1,1,1,1,1,1,1,1,1,

----------------------------Class
283--
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[010][011][012][100][101][102][110][120][201][210]]

--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->0,0,0,--0,1,--0,0,2,--
R3) 0,1,-->
R4) 0,0,0,-->0,0,0,0,--0,1,--0,0,2,--0,0,0,3,--
R5) 0,0,2,-->0,1,--
R6) 0,0,0,0,-->0,0,0,0,0,--0,1,--0,0,2,--0,0,0,3,--0,0,0,0,4,--

R7) 0,0,0,3,-->0,1,--0,1,--
R8) 0,0,0,0,0,-->0,0,0,0,0,0,--0,1,--0,0,2,--0,0,0,3,--0,0,0,0,4,--0,0,0,0,0,5,--
R9) 0,0,0,0,4,-->0,1,--0,1,--0,1,--
R10)
0,0,0,0,0,0,-->0,0,0,0,0,0,0,--0,1,--0,0,2,--0,0,0,3,--0,0,0,0,4,--0,0,0,0,0,5,--0,
0,0,0,0,0,6,--
R11) 0,0,0,0,0,5,-->0,1,--0,1,--0,1,--0,1,--
R12)
0,0,0,0,0,0,0,-->0,0,0,0,0,0,0,0,--0,1,--0,0,2,--0,0,0,3,--0,0,0,0,4,--0,0,0,0,0,5,
--0,0,0,0,0,0,6,--0,0,0,0,0,0,0,7,--
R13) 0,0,0,0,0,0,6,-->0,1,--0,1,--0,1,--0,1,--0,1,--
R14)
0,0,0,0,0,0,0,0,-->0,0,0,0,0,0,0,0,0,--0,1,--0,0,2,--0,0,0,3,--0,0,0,0,4,--0,0,0,0,
0,5,--0,0,0,0,0,0,6,--0,0,0,0,0,0,0,7,--0,0,0,0,0,0,0,0,8,--
R15) 0,0,0,0,0,0,0,7,-->0,1,--0,1,--0,1,--0,1,--0,1,--0,1,--
R16)
0,0,0,0,0,0,0,0,0,-->0,0,0,0,0,0,0,0,0,0,--0,1,--0,0,2,--0,0,0,3,--0,0,0,0,4,--0,0,
0,0,0,5,--0,0,0,0,0,0,6,--0,0,0,0,0,0,0,7,--0,0,0,0,0,0,0,8,--0,0,0,0,0,0,0,0,9
,--
R17) 0,0,0,0,0,0,0,0,8,-->0,1,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,--
R18)
0,0,0,0,0,0,0,0,0,0,-->0,0,0,0,0,0,0,0,0,0,0,--0,1,--0,0,2,--0,0,0,3,--0,0,0,0,4,--
0,0,0,0,0,5,--0,0,0,0,0,0,6,--0,0,0,0,0,0,0,7,--0,0,0,0,0,0,0,8,--0,0,0,0,0,0,0,0
,0,9,--0,0,0,0,0,0,0,0,0,0,10,--
R19) 0,0,0,0,0,0,0,0,0,9,-->0,1,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,--
R20)
0,0,0,0,0,0,0,0,0,0,0,0,-->0,0,0,0,0,0,0,0,0,0,0,0,--0,1,--0,0,2,--0,0,0,3,--0,0,0,0,
4,--0,0,0,0,0,5,--0,0,0,0,0,0,6,--0,0,0,0,0,0,0,7,--0,0,0,0,0,0,0,0,8,--0,0,0,0,0,0
,0,0,0,9,--0,0,0,0,0,0,0,0,0,0,10,--0,0,0,0,0,0,0,0,0,0,0,11,--
R21)
0,0,0,0,0,0,0,0,0,0,10,-->0,1,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
LEN=3) 0,0,0,: 0,0,2,:
LEN=4) 0,0,0,0,: 0,0,0,3,:
LEN=5) 0,0,0,0,0,: 0,0,0,0,4,:
LEN=6) 0,0,0,0,0,0,: 0,0,0,0,0,5,:
LEN=7) 0,0,0,0,0,0,0,: 0,0,0,0,0,0,6,:
LEN=8) 0,0,0,0,0,0,0,0,: 0,0,0,0,0,0,0,7,:
LEN=9) 0,0,0,0,0,0,0,0,0,: 0,0,0,0,0,0,0,0,8,:
LEN=10) 0,0,0,0,0,0,0,0,0,0,: 0,0,0,0,0,0,0,0,0,9,:
LEN=11) 0,0,0,0,0,0,0,0,0,0,0,: 0,0,0,0,0,0,0,0,0,0,10,:
LEN=12) 0,0,0,0,0,0,0,0,0,0,0,0,: 0,0,0,0,0,0,0,0,0,0,0,11,:
 Number new nodes in level n is given by : 1,2,2,2,2,2,2,2,2,2,2,2,

----------Class
284----------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[010][011][021][100][101][102][110][120][201][210]]

```
--------------------------------------------------------------------------------
--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->0,0,0,--0,0,1,--0,1,--
R3) 0,1,-->0,1,--
R4) 0,0,0,-->0,0,0,0,--0,0,0,1,--0,0,1,--0,1,--
R5) 0,0,1,-->0,0,1,--0,1,--
R6) 0,0,0,0,-->0,0,0,0,0,--0,0,0,0,1,--0,0,0,1,--0,0,1,--0,1,--
R7) 0,0,0,1,-->0,0,0,1,--0,0,1,--0,1,--
R8) 0,0,0,0,0,-->0,0,0,0,0,0,0,--0,0,0,0,0,0,1,--0,0,0,0,0,1,--0,0,0,1,--0,0,1,--0,1,--
R9) 0,0,0,0,1,-->0,0,0,0,1,--0,0,0,1,--0,0,1,--0,1,--
R10)
0,0,0,0,0,0,-->0,0,0,0,0,0,0,0,--0,0,0,0,0,0,0,1,--0,0,0,0,0,0,1,--0,0,0,0,0,1,--0,0,0,0,1,--
0,0,1,--0,1,--
R11) 0,0,0,0,0,1,-->0,0,0,0,0,1,--0,0,0,0,1,--0,0,0,1,--0,0,1,--0,1,--
R12)
0,0,0,0,0,0,0,-->0,0,0,0,0,0,0,0,0,--0,0,0,0,0,0,0,0,1,--0,0,0,0,0,0,0,1,--0,0,0,0,0,0,1,--
0,0,0,0,0,1,--0,0,0,1,--0,0,1,--0,1,--
R13)
0,0,0,0,0,0,1,-->0,0,0,0,0,0,0,1,--0,0,0,0,0,0,1,--0,0,0,0,0,1,--0,0,0,0,1,--0,0,1,--0,1,--
R14)
0,0,0,0,0,0,0,0,-->0,0,0,0,0,0,0,0,0,--0,0,0,0,0,0,0,0,1,--0,0,0,0,0,0,0,1,--0,0,0,
0,0,0,1,--0,0,0,0,0,1,--0,0,0,0,1,--0,0,0,1,--0,0,1,--0,1,--
R15)
0,0,0,0,0,0,0,1,-->0,0,0,0,0,0,0,1,--0,0,0,0,0,0,1,--0,0,0,0,0,1,--0,0,0,0,1,--0,0,
0,1,--0,0,1,--0,1,--
R16)
0,0,0,0,0,0,0,0,0,-->0,0,0,0,0,0,0,0,0,0,--0,0,0,0,0,0,0,0,0,1,--0,0,0,0,0,0,0,0,1,
--0,0,0,0,0,0,0,1,--0,0,0,0,0,0,1,--0,0,0,0,0,1,--0,0,0,0,1,--0,0,0,1,--0,0,1,--0,1
,--
R17)
0,0,0,0,0,0,0,0,1,-->0,0,0,0,0,0,0,0,1,--0,0,0,0,0,0,0,1,--0,0,0,0,0,0,1,--0,0,0,0,
0,1,--0,0,0,0,1,--0,0,0,1,--0,0,1,--0,1,--
R18)
0,0,0,0,0,0,0,0,0,0,-->0,0,0,0,0,0,0,0,0,0,0,--0,0,0,0,0,0,0,0,0,0,1,--0,0,0,0,0,0,
0,0,0,1,--0,0,0,0,0,0,0,0,1,--0,0,0,0,0,0,0,1,--0,0,0,0,0,0,1,--0,0,0,0,0,1,--0,0,0
,0,1,--0,0,0,1,--0,0,1,--0,1,--
R19)
0,0,0,0,0,0,0,0,0,1,-->0,0,0,0,0,0,0,0,0,1,--0,0,0,0,0,0,0,0,1,--0,0,0,0,0,0,0,1,--
0,0,0,0,0,0,0,1,--0,0,0,0,0,1,--0,0,0,0,1,--0,0,0,1,--0,0,1,--0,1,--
R20)
0,0,0,0,0,0,0,0,0,0,0,-->0,0,0,0,0,0,0,0,0,0,0,0,--0,0,0,0,0,0,0,0,0,0,0,1,--0,0,0,
0,0,0,0,0,0,0,0,1,--0,0,0,0,0,0,0,0,0,1,--0,0,0,0,0,0,0,0,1,--0,0,0,0,0,0,0,1,--0,0,0
,0,0,0,1,--0,0,0,0,0,1,--0,0,0,0,1,--0,0,0,1,--0,0,1,--0,1,--
R21)
0,0,0,0,0,0,0,0,0,0,0,1,-->0,0,0,0,0,0,0,0,0,0,1,--0,0,0,0,0,0,0,0,0,0,1,--0,0,0,0,0,0,
0,0,1,--0,0,0,0,0,0,0,0,1,--0,0,0,0,0,0,0,1,--0,0,0,0,0,0,1,--0,0,0,0,1,--0,0,0,1,--0,0,1
,--0,1,--
List of different nodes in T[L]
```

LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
LEN=3) 0,0,0,: 0,0,1,:
LEN=4) 0,0,0,0,: 0,0,0,1,:
LEN=5) 0,0,0,0,0,: 0,0,0,0,1,:
LEN=6) 0,0,0,0,0,0,: 0,0,0,0,0,1,:
LEN=7) 0,0,0,0,0,0,0,: 0,0,0,0,0,0,1,:
LEN=8) 0,0,0,0,0,0,0,0,: 0,0,0,0,0,0,0,1,:
LEN=9) 0,0,0,0,0,0,0,0,0,: 0,0,0,0,0,0,0,0,1,:
LEN=10) 0,0,0,0,0,0,0,0,0,0,: 0,0,0,0,0,0,0,0,0,1,:
LEN=11) 0,0,0,0,0,0,0,0,0,0,0,: 0,0,0,0,0,0,0,0,0,0,1,:
LEN=12) 0,0,0,0,0,0,0,0,0,0,0,0,: 0,0,0,0,0,0,0,0,0,0,0,1,:
Number new nodes in level n is given by : 1,2,2,2,2,2,2,2,2,2,2,2,

----------Class 285----------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[010][012][021][100][101][102][110][120][201][210]]

Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->0,0,0,--0,1,--0,1,--
R3) 0,1,-->0,1,--
R4) 0,0,0,-->0,0,0,0,--0,1,--0,1,--0,1,--
R5) 0,0,0,0,-->0,0,0,0,0,--0,1,--0,1,--0,1,--0,1,--
R6) 0,0,0,0,0,-->0,0,0,0,0,0,--0,1,--0,1,--0,1,--0,1,--0,1,--
R7) 0,0,0,0,0,0,-->0,0,0,0,0,0,0,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,--
R8) 0,0,0,0,0,0,0,-->0,0,0,0,0,0,0,0,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,--
R9) 0,0,0,0,0,0,0,0,-->0,0,0,0,0,0,0,0,0,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,--
R10) 0,0,0,0,0,0,0,0,0,-->0,0,0,0,0,0,0,0,0,0,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,--
R11) 0,0,0,0,0,0,0,0,0,0,-->0,0,0,0,0,0,0,0,0,0,0,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,--
R12) 0,0,0,0,0,0,0,0,0,0,0,-->0,0,0,0,0,0,0,0,0,0,0,0,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
LEN=3) 0,0,0,:
LEN=4) 0,0,0,0,:
LEN=5) 0,0,0,0,0,:
LEN=6) 0,0,0,0,0,0,:
LEN=7) 0,0,0,0,0,0,0,:
LEN=8) 0,0,0,0,0,0,0,0,:

LEN=9) 0,0,0,0,0,0,0,0,0,:
LEN=10) 0,0,0,0,0,0,0,0,0,0,:
LEN=11) 0,0,0,0,0,0,0,0,0,0,0,:
LEN=12) 0,0,0,0,0,0,0,0,0,0,0,0,:
Number new nodes in level n is given by : 1,2,1,1,1,1,1,1,1,1,1,1,

----------Class 286----------
Inversion Sequences (I_n=(n+1)!) avoiding
L=[[011][012][021][100][101][102][110][120][201][210]]

Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->0,0,0,--0,1,--0,1,--
R3) 0,1,-->0,1,0,--
R4) 0,0,0,-->0,0,0,0,--0,1,--0,1,--0,1,--
R5) 0,1,0,-->
R6) 0,0,0,0,-->0,0,0,0,0,--0,1,--0,1,--0,1,--0,1,--
R7) 0,0,0,0,0,-->0,0,0,0,0,0,--0,1,--0,1,--0,1,--0,1,--0,1,--
R8) 0,0,0,0,0,0,-->0,0,0,0,0,0,0,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,--
R9) 0,0,0,0,0,0,0,-->0,0,0,0,0,0,0,0,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,--
R10) 0,0,0,0,0,0,0,0,-->0,0,0,0,0,0,0,0,0,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,--
R11) 0,0,0,0,0,0,0,0,0,-->0,0,0,0,0,0,0,0,0,0,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,--
R12) 0,0,0,0,0,0,0,0,0,0,-->0,0,0,0,0,0,0,0,0,0,0,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,--
R13) 0,0,0,0,0,0,0,0,0,0,0,-->0,0,0,0,0,0,0,0,0,0,0,0,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,--0,1,--
List of different nodes in T[L]
LEN=1) 0,:
LEN=2) 0,0,: 0,1,:
LEN=3) 0,0,0,: 0,1,0,:
LEN=4) 0,0,0,0,:
LEN=5) 0,0,0,0,0,:
LEN=6) 0,0,0,0,0,0,:
LEN=7) 0,0,0,0,0,0,0,:
LEN=8) 0,0,0,0,0,0,0,0,:
LEN=9) 0,0,0,0,0,0,0,0,0,:
LEN=10) 0,0,0,0,0,0,0,0,0,0,:
LEN=11) 0,0,0,0,0,0,0,0,0,0,0,:
LEN=12) 0,0,0,0,0,0,0,0,0,0,0,0,:
Number new nodes in level n is given by : 1,2,2,1,1,1,1,1,1,1,1,1,

----------C