

-----Class 1-----
Inversion Sequences ($I_n=(n+1)!$) avoiding
 $L=[[000][001][010][011][012][021][100][101][102][110][120]]$

--
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 2-----
Inversion Sequences ($I_n=(n+1)!$) avoiding
 $L=[[000][001][010][011][012][021][100][101][102][110][201]]$

--
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 3-----
Inversion Sequences ($I_n=(n+1)!$) avoiding
 $L=[[000][001][010][011][012][021][100][101][102][110][210]]$

--
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 4-----
Inversion Sequences ($I_n=(n+1)!$) avoiding
 $L=[[000][001][010][011][012][021][100][101][102][120][201]]$

--
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 5-----

Inversion Sequences ($I_n=(n+1)!$) avoiding

$L=[[000][001][010][011][012][021][100][101][102][120][210]]$

--

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 6-----

Inversion Sequences ($I_n=(n+1)!$) avoiding

$L=[[000][001][010][011][012][021][100][101][102][201][210]]$

--

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 7-----

Inversion Sequences ($I_n=(n+1)!$) avoiding

$L=[[000][001][010][011][012][021][100][101][110][120][201]]$

--

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 8-----

Inversion Sequences ($I_n=(n+1)!$) avoiding

$L=[[000][001][010][011][012][021][100][101][110][120][210]]$

--

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 9-----
Inversion Sequences ($I_n=(n+1)!$) avoiding
 $L=[[000][001][010][011][012][021][100][101][110][201][210]]$

--
Rules of $T[L]$:
R1) $0, \rightarrow 0,0, \rightarrow 0,0, \rightarrow$
R2) $0,0, \rightarrow$
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
 $L=[[000][001][010][011][012][021][100][101][120][201][210]]$

--
Rules of $T[L]$:
R1) $0, \rightarrow 0,0, \rightarrow 0,0, \rightarrow$
R2) $0,0, \rightarrow$
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
 $L=[[000][001][010][011][012][021][100][102][110][120][201]]$

--
Rules of $T[L]$:
R1) $0, \rightarrow 0,0, \rightarrow 0,0, \rightarrow$
R2) $0,0, \rightarrow$
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
 $L=[[000][001][010][011][012][021][100][102][110][120][210]]$

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--
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
```

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-----Class
13-----
Inversion Sequences ( $I_n=(n+1)!$ ) avoiding
L=[[000][001][010][011][012][021][100][102][110][201][210]]
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```
--
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
```

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-----Class
14-----
Inversion Sequences ( $I_n=(n+1)!$ ) avoiding
L=[[000][001][010][011][012][021][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
15-----
Inversion Sequences ( $I_n=(n+1)!$ ) avoiding
L=[[000][001][010][011][012][021][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
16-----
Inversion Sequences ($I_n=(n+1)!$) avoiding
L=[[000][001][010][011][012][021][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
17-----
Inversion Sequences ($I_n=(n+1)!$) avoiding
L=[[000][001][010][011][012][021][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
18-----
Inversion Sequences ($I_n=(n+1)!$) avoiding
L=[[000][001][010][011][012][021][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
19-----
Inversion Sequences ($I_n=(n+1)!$) avoiding
L=[[000][001][010][011][012][021][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
20-----
Inversion Sequences ($I_n=(n+1)!$) avoiding
L=[[000][001][010][011][012][021][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
21-----
Inversion Sequences ($I_n=(n+1)!$) avoiding
L=[[000][001][010][011][012][021][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
22-----
Inversion Sequences ($I_n=(n+1)!$) avoiding
L=[[000][001][010][011][012][100][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

23-----
Inversion Sequences ($I_n=(n+1)!$) avoiding
 $L=[[000][001][010][011][012][100][101][102][110][120][210]]$

--
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
24-----
Inversion Sequences ($I_n=(n+1)!$) avoiding
 $L=[[000][001][010][011][012][100][101][102][110][201][210]]$

--
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
25-----
Inversion Sequences ($I_n=(n+1)!$) avoiding
 $L=[[000][001][010][011][012][100][101][102][120][201][210]]$

--
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
26-----
Inversion Sequences ($I_n=(n+1)!$) avoiding
 $L=[[000][001][010][011][012][100][101][110][120][201][210]]$

--
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

27-----
Inversion Sequences ($I_n=(n+1)!$) avoiding
L=[[000][001][010][011][012][100][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

28-----
Inversion Sequences ($I_n=(n+1)!$) avoiding
L=[[000][001][010][011][012][101][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

29-----
Inversion Sequences ($I_n=(n+1)!$) avoiding
L=[[000][001][010][011][021][100][101][102][110][120][201]]

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

30-----

Inversion Sequences ($I_n=(n+1)!$) avoiding
L=[[000][001][010][011][021][100][101][102][110][120][210]]

--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->
R3) 0,1,-->0,1,--
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
31-----
Inversion Sequences ($I_n=(n+1)!$) avoiding
L=[[000][001][010][011][021][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
32-----
Inversion Sequences ($I_n=(n+1)!$) avoiding
L=[[000][001][010][011][021][100][101][102][120][201][210]]

--
Rules of T[L]:
R1) 0,-->0,0,--0,1,--
R2) 0,0,-->
R3) 0,1,-->0,1,--
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
33-----
Inversion Sequences ($I_n=(n+1)!$) avoiding
L=[[000][001][010][011][021][100][101][110][120][201][210]]

--
Rules of T[L]:

R1) 0,-->0,0,--0,1,--
R2) 0,0,-->
R3) 0,1,-->0,1,--
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

34-----
Inversion Sequences ($I_n=(n+1)!$) avoiding
L=[[000][001][010][011][021][100][102][110][120][201][210]]

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

35-----
Inversion Sequences ($I_n=(n+1)!$) avoiding
L=[[000][001][010][011][021][101][102][110][120][201][210]]

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

36-----
Inversion Sequences ($I_n=(n+1)!$) avoiding
L=[[000][001][010][011][100][101][102][110][120][201][210]]

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

37-----

Inversion Sequences ($I_n=(n+1)!$) avoiding
 $L=[[000][001][010][012][021][100][101][102][110][120][201]]$

--

Rules of T[L]:

R1) 0,-->0,0,--0,1,--

R2) 0,0,-->

R3) 0,1,-->0,0,--

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

38-----

Inversion Sequences ($I_n=(n+1)!$) avoiding
 $L=[[000][001][010][012][021][100][101][102][110][120][210]]$

--

Rules of T[L]:

R1) 0,-->0,0,--0,1,--

R2) 0,0,-->

R3) 0,1,-->0,0,--

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

39-----

Inversion Sequences ($I_n=(n+1)!$) avoiding
 $L=[[000][001][010][012][021][100][101][102][110][201][210]]$

--

Rules of T[L]:

R1) 0,-->0,0,--0,1,--

R2) 0,0,-->

R3) 0,1,-->0,0,--

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

40-----

Inversion Sequences ($I_n=(n+1)!$) avoiding
L=[[000][001][010][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,--
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
41-----
Inversion Sequences ($I_n=(n+1)!$) avoiding
L=[[000][001][010][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,--
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
42-----
Inversion Sequences ($I_n=(n+1)!$) avoiding
L=[[000][001][010][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,--
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
43-----
Inversion Sequences ($I_n=(n+1)!$) avoiding
L=[[000][001][010][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,--
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

44-----
Inversion Sequences ($I_n=(n+1)!$) avoiding
L=[[000][001][010][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,--
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

45-----
Inversion Sequences ($I_n=(n+1)!$) avoiding
L=[[000][001][010][021][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

46-----
Inversion Sequences ($I_n=(n+1)!$) avoiding
L=[[000][001][011][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,--
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

47-----

Inversion Sequences ($I_n=(n+1)!$) avoiding

$L=[[000][001][011][012][021][100][101][102][110][120][210]]$

--

Rules of $T[L]$:

R1) $0, \rightarrow 0,0, \rightarrow 0,1, \rightarrow$

R2) $0,0, \rightarrow$

R3) $0,1, \rightarrow 0,0, \rightarrow$

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

48-----

Inversion Sequences ($I_n=(n+1)!$) avoiding

$L=[[000][001][011][012][021][100][101][102][110][201][210]]$

--

Rules of $T[L]$:

R1) $0, \rightarrow 0,0, \rightarrow 0,1, \rightarrow$

R2) $0,0, \rightarrow$

R3) $0,1, \rightarrow 0,0, \rightarrow$

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

49-----

Inversion Sequences ($I_n=(n+1)!$) avoiding

$L=[[000][001][011][012][021][100][101][102][120][201][210]]$

--

Rules of $T[L]$:

R1) $0, \rightarrow 0,0, \rightarrow 0,1, \rightarrow$

R2) $0,0, \rightarrow$

R3) $0,1, \rightarrow 0,0, \rightarrow$

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

50-----

Inversion Sequences ($I_n=(n+1)!$) avoiding

L=[[000][001][011][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,--

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

51-----

Inversion Sequences ($I_n=(n+1)!$) avoiding

L=[[000][001][011][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,--

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

52-----

Inversion Sequences ($I_n=(n+1)!$) avoiding

L=[[000][001][011][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,--

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

53-----

Inversion Sequences ($I_n=(n+1)!$) avoiding

L=[[000][001][011][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,--
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

54-----
Inversion Sequences ($I_n=(n+1)!$) avoiding
L=[[000][001][011][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,--0,1,2,--
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

55-----
Inversion Sequences ($I_n=(n+1)!$) avoiding
L=[[000][001][012][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,--
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

56-----
Inversion Sequences ($I_n=(n+1)!$) avoiding
L=[[000][010][011][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,-->
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

57-----

Inversion Sequences ($I_n=(n+1)!$) avoiding
L=[[000][010][011][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, -->

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][010][011][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, -->

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][010][011][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, -->

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][010][011][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,-->
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][010][011][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,-->
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][010][011][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,-->
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][010][011][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,-->
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
64-----
Inversion Sequences ($I_n=(n+1)!$) avoiding
L=[[000][010][011][021][100][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
65-----
Inversion Sequences ($I_n=(n+1)!$) avoiding
L=[[000][010][012][021][100][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
66-----
Inversion Sequences ($I_n=(n+1)!$) avoiding
L=[[000][011][012][021][100][101][102][110][120][201][210]]

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

R2) 0,0,-->0,0,1,--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

67-----
Inversion Sequences ($I_n=(n+1)!$) avoiding
 $L=[[001][010][011][012][021][100][101][102][110][120][201]]$

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

68-----
Inversion Sequences ($I_n=(n+1)!$) avoiding
 $L=[[001][010][011][012][021][100][101][102][110][120][210]]$

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

69-----
Inversion Sequences ($I_n=(n+1)!$) avoiding
 $L=[[001][010][011][012][021][100][101][102][110][201][210]]$

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

70-----

Inversion Sequences ($I_n=(n+1)!$) avoiding
L=[[001][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,--

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

71-----

Inversion Sequences ($I_n=(n+1)!$) avoiding
L=[[001][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,--

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

72-----

Inversion Sequences ($I_n=(n+1)!$) avoiding
L=[[001][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,--

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

73-----
Inversion Sequences ($I_n=(n+1)!$) avoiding
 $L=[001][010][011][012][021][101][102][110][120][201][210]$

--
Rules of T[L]:
R1) $0, \rightarrow 0, 0, \rightarrow 0, 1, \rightarrow$
R2) $0, 0, \rightarrow 0, 0, \rightarrow$
R3) $0, 1, \rightarrow$
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
 $L=[001][010][011][012][100][101][102][110][120][201][210]$

--
Rules of T[L]:
R1) $0, \rightarrow 0, 0, \rightarrow 0, 1, \rightarrow$
R2) $0, 0, \rightarrow 0, 0, \rightarrow$
R3) $0, 1, \rightarrow$
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
 $L=[001][010][011][021][100][101][102][110][120][201][210]$

--
Rules of T[L]:
R1) $0, \rightarrow 0, 0, \rightarrow 0, 0, \rightarrow$
R2) $0, 0, \rightarrow 0, 0, \rightarrow$
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
76-----
Inversion Sequences ($I_n=(n+1)!$) avoiding
 $L=[001][010][012][021][100][101][102][110][120][201][210]$

--
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

77-----
Inversion Sequences ($I_n=(n+1)!$) avoiding
 $L=[[001][011][012][021][100][101][102][110][120][201][210]]$

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

78-----
Inversion Sequences ($I_n=(n+1)!$) avoiding
 $L=[[010][011][012][021][100][101][102][110][120][201][210]]$

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

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,

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