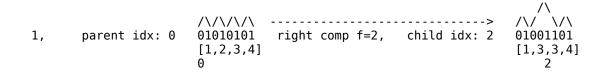
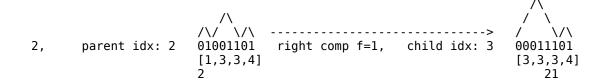
```
0
DONE generate tree TO, current index=0
Node list-----
C(n)=C(1)=1
Idempotent count: 1
Index id Dyck word func idempotent?
0 0 01010101 [1,2,3,4] yes
INIT generate tree T3, current index=0
INIT generate tree T2, current index=0
INIT generate tree T1, current index=0
INIT generate tree T0, current index=0
0
DONE generate tree T0, current index=0
Node list-----
C(n)=C(1)=1
Idempotent count: 1
Index id Dyck word func idempotent?
                 /\/\/\
0,
                 01010101 right comp f=1, child idx: 1
      parent idx: 0
                                                 00110101
                 [1,2,3,4]
                                                 [2,2,3,4]
                 0
                                                    1
DONE generate tree T1, current index=1
Node list-----
C(n)=C(2)=2
Idempotent count: 2
```

Index	id	Dyck word	func	idempotent?
0 1	0 1	01010101 00110101	[1,2,3,4] [2,2,3,4]	yes yes





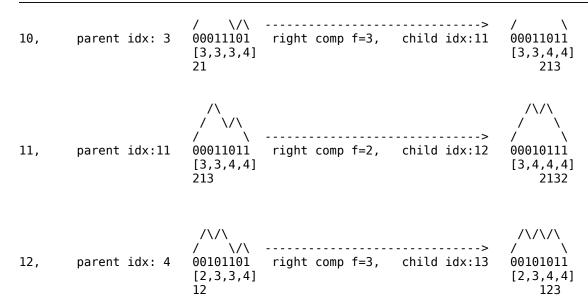
$$0 - 1 - 12$$

DONE generate tree T2, current index=4 Node list-----

C(n)=C(3)=5Idempotent count: 4

Index	id	Dyck word	func	idempotent?
0 1 2 3 4	0 1 2 21 12	01010101 00110101 01001101 00011101 00101101	[1,2,3,4] [2,2,3,4] [1,3,3,4] [3,3,3,4] [2,3,3,4]	yes yes yes yes

4,	parent idx: 0	/ \/ \/ \/ \	comp f=3, child idx:	> /\/\ 5
5,	parent idx: 5	/ \/ \/	comp f=2, child idx:	' ' ' '
6,	parent idx: 6	, ,,	comp f=1, child idx:	. ,
7,	parent idx: 1	/ \/ \/ \	comp f=3, child idx:	, , ,
8,	parent idx: 8	, ,, ,	comp f=2, child idx:	. ,
9,	parent idx: 2	/ \/ \/ \/	comp f=3, child idx:	. / //
		/\		/\



DONE generate tree T3, current index=13 Node list-----

C(n)=C(4)=14

Idempotent count: 8

Index	id	Dyck word	func	idempotent?
0	0	01010101	[1,2,3,4]	yes
1	1	00110101	[2,2,3,4]	yes
2	2	01001101	[1,3,3,4]	yes
3	21	00011101	[3,3,3,4]	yes
4	12	00101101	[2,3,3,4]	
5	3	01010011	[1,2,4,4]	yes
6	32	01000111	[1,4,4,4]	yes
7	321	00001111	[4,4,4,4]	yes
8	13	00110011	[2,2,4,4]	yes
9	132	00100111	[2,4,4,4]	
10	23	01001011	[1,3,4,4]	
11	213	00011011	[3,3,4,4]	
12	2132	00010111	[3,4,4,4]	
13	123	00101011	[2,3,4,4]	

.....

Press enter to finish...