

non-unique

repeat

Non-unique (Forced)

Possibility 9:

10

$\{9, 2, 2, 2\}, \{9, 2, 2, 1\}, \{9, 2, 2, 0\},$
 $\{9, 2, 1, 1\}, \{9, 2, 1, 0\}, \{9, 2, 0, 0\},$
 $\{9, 1, 1, 1\}, \{9, 1, 1, 0\}, \{9, 1, 0, 0\},$
 $\{9, 0, 0, 0\}$

Possibility 8:

18

$\{8, 4, 2, 2\}, \{8, 4, 2, 1\}, \{8, 4, 2, 0\},$
 $\{8, 4, 1, 1\}, \{8, 4, 1, 0\}, \{8, 4, 0, 0\},$
 $\{8, 3, 2, 2\}, \{8, 3, 2, 1\}, \{8, 3, 2, 0\},$
 $\{8, 3, 1, 1\}, \{8, 3, 1, 0\}, \{8, 3, 0, 0\},$
 $\{8, 2, 2, 1\}, \{8, 2, 1, 1\}, \{8, 2, 1, 0\},$
 $\{8, 1, 1, 1\}, \{8, 1, 1, 0\}, \{8, 1, 0, 0\}$

Possibility 7:

39

$\{7, 7, 2, 2\}, \{7, 7, 2, 1\}, \{7, 7, 2, 0\},$
 $\{7, 7, 1, 1\}, \{7, 7, 1, 0\}, \{7, 7, 0, 0\},$

6 non-unique

33 possibly unique

* Is there a way to make 7 become non-unique?

$\{7, 5, 2, 2\}, \{7, 5, 2, 1\}, \{7, 5, 2, 0\},$
 $\{7, 5, 1, 1\}, \{7, 5, 1, 0\}, \{7, 5, 0, 0\},$
 $\{7, 4, 4, 2\}, \{7, 4, 4, 1\}, \{7, 4, 4, 0\},$
 $\{7, 4, 3, 2\}, \{7, 4, 3, 1\}, \{7, 4, 3, 0\},$
 $\{7, 4, 2, 2\}, \{7, 4, 2, 1\}, \{7, 4, 2, 0\},$
 $\{7, 4, 1, 1\}, \{7, 4, 1, 0\}, \{7, 4, 0, 0\},$
 $\{7, 3, 3, 2\}, \{7, 3, 3, 1\}, \{7, 3, 3, 0\},$
 $\{7, 3, 2, 2\}, \{7, 3, 2, 1\}, \{7, 3, 2, 0\},$
 $\{7, 3, 1, 1\}, \{7, 3, 1, 0\}, \{7, 3, 0, 0\},$
 $\{7, 2, 2, 1\}, \{7, 2, 1, 1\}, \{7, 2, 1, 0\},$
 $\{7, 1, 1, 1\}, \{7, 1, 1, 0\}, \{7, 1, 0, 0\}$

Possibility 6:
 $\{6, 6, 2, 2\}, \{6, 6, 2, 1\}, \{6, 6, 2, 0\},$
 $\{6, 6, 1, 1\}, \{6, 6, 1, 0\}, \{6, 6, 0, 0\},$
 $\{6, 4, 4, 2\}, \{6, 4, 4, 1\}, \{6, 4, 4, 0\},$
 $\{6, 4, 3, 2\}, \{6, 4, 3, 1\}, \{6, 4, 3, 0\},$

* Is there a way to make 7 become non-unique?

$\{7, 5, 2, 2\}, \{7, 5, 2, 1\}, \{7, 5, 2, 0\},$
 $\{7, 5, 1, 1\}, \{7, 5, 1, 0\}, \{7, 5, 0, 0\},$
 $\{7, 4, 4, 2\}, \{7, 4, 4, 1\}, \{7, 4, 4, 0\},$
 $\{7, 4, 3, 2\}, \{7, 4, 3, 1\}, \{7, 4, 3, 0\},$
 $\{7, 4, 2, 2\}, \{7, 4, 2, 1\}, \{7, 4, 2, 0\},$
 $\{7, 4, 1, 1\}, \{7, 4, 1, 0\}, \{7, 4, 0, 0\},$
 $\{7, 3, 3, 2\}, \{7, 3, 3, 1\}, \{7, 3, 3, 0\},$
 $\{7, 3, 2, 2\}, \{7, 3, 2, 1\}, \{7, 3, 2, 0\},$
 $\{7, 3, 1, 1\}, \{7, 3, 1, 0\}, \{7, 3, 0, 0\},$
 $\{7, 2, 2, 1\}, \{7, 2, 1, 1\}, \{7, 2, 1, 0\},$
 $\{7, 1, 1, 1\}, \{7, 1, 1, 0\}, \{7, 1, 0, 0\}$

Possibility 6:

$\{6, 6, 2, 2\}, \{6, 6, 2, 1\}, \{6, 6, 2, 0\},$
 $\{6, 6, 1, 1\}, \{6, 6, 1, 0\}, \{6, 6, 0, 0\},$
 $\{6, 4, 4, 2\}, \{6, 4, 4, 1\}, \{6, 4, 4, 0\},$
 $\{6, 4, 3, 2\}, \{6, 4, 3, 1\}, \{6, 4, 3, 0\},$

$\{6, 4, 2, 2\}, \{6, 4, 2, 1\}, \{6, 4, 2, 0\},$

$\{6, 4, 1, 1\}, \{6, 4, 1, 0\}, \{6, 4, 0, 0\},$

$\{6, 3, 3, 2\}, \{6, 3, 3, 1\}, \{6, 3, 3, 0\},$

$\{6, 3, 2, 1\}, \{6, 3, 1, 1\}, \{6, 3, 1, 0\},$

$\{6, 2, 2, 2\}, \{6, 2, 2, 1\}, \{6, 2, 2, 0\},$

$\{6, 2, 1, 1\}, \{6, 2, 1, 0\}, \{6, 2, 0, 0\},$

$\{6, 1, 1, 1\}, \{6, 1, 1, 0\}, \{6, 1, 0, 0\},$

$\{6, 0, 0, 0\}$

Possibility 5:

$\{5, 7, 2, 2\}, \{5, 7, 2, 1\}, \{5, 7, 2, 0\},$

$\{5, 7, 1, 1\}, \{5, 7, 1, 0\}, \{5, 7, 0, 0\},$

$\{5, 5, 2, 2\}, \{5, 5, 2, 1\}, \{5, 5, 2, 0\},$

$\{5, 5, 1, 1\}, \{5, 5, 1, 0\}, \{5, 5, 0, 0\},$

$\{5, 4, 4, 2\}, \{5, 4, 4, 1\}, \{5, 4, 4, 0\},$

$\{5, 4, 3, 2\}, \{5, 4, 3, 1\}, \{5, 4, 3, 0\},$

$\{5, 4, 2, 1\}$, $\{5, 4, 1, 1\}$, $\{5, 4, 1, 0\}$,
 $\{5, 3, 3, 2\}$, $\{5, 3, 3, 1\}$, $\{5, 3, 3, 0\}$,
 $\{5, 3, 2, 2\}$, $\{5, 3, 2, 1\}$, $\{5, 3, 2, 0\}$,
 $\{5, 3, 1, 1\}$, $\{5, 3, 1, 0\}$, $\{5, 3, 0, 0\}$,
 $\{5, 2, 1, 1\}$, $\{5, 1, 1, 1\}$, $\{5, 1, 1, 0\}$

Possibility 4:

$\{4, 8, 2, 2\}$, $\{4, 8, 2, 1\}$, $\{4, 8, 2, 0\}$
 $\{4, 8, 1, 1\}$, $\{4, 8, 1, 0\}$, $\{4, 8, 0, 0\}$
 $\{4, 7, 4, 2\}$, $\{4, 7, 4, 1\}$, $\{4, 7, 4, 0\}$,
 $\{4, 7, 3, 2\}$, $\{4, 7, 3, 1\}$, $\{4, 7, 3, 0\}$,
 $\{4, 7, 2, 2\}$, $\{4, 7, 2, 1\}$, $\{4, 7, 2, 0\}$,
 $\{4, 7, 1, 1\}$, $\{4, 7, 1, 0\}$, $\{4, 7, 0, 0\}$,
 $\{4, 6, 4, 2\}$, $\{4, 6, 4, 1\}$, $\{4, 6, 4, 0\}$,
 $\{4, 6, 3, 2\}$, $\{4, 6, 3, 1\}$, $\{4, 6, 3, 0\}$,
 $\{4, 6, 2, 2\}$, $\{4, 6, 2, 1\}$, $\{4, 6, 2, 0\}$

makes
3

$\{4, 6, 1, 1\}$, $\{4, 6, 1, 0\}$, $\{4, 6, 0, 0\}$,
 $\{4, 5, 4, 2\}$, $\{4, 5, 4, 1\}$, $\{4, 5, 4, 0\}$,
 $\{4, 5, 3, 2\}$, $\{4, 5, 3, 1\}$, $\{4, 5, 3, 0\}$,
 $\{4, 5, 2, 1\}$, $\{4, 5, 1, 1\}$, $\{4, 5, 1, 0\}$

can fill

$\{4, 4, 4, 4\}$, $\{4, 4, 4, 3\}$, $\{4, 4, 4, 2\}$,
 $\{4, 4, 4, 1\}$, $\{4, 4, 4, 0\}$, $\{4, 4, 3, 2\}$,
 $\{4, 4, 3, 1\}$, $\{4, 4, 3, 0\}$, $\{4, 4, 2, 2\}$,
 $\{4, 4, 2, 1\}$, $\{4, 4, 2, 0\}$, $\{4, 4, 1, 1\}$,
 $\{4, 4, 1, 0\}$, $\{4, 4, 0, 0\}$, $\{4, 3, 3, 3\}$,
 $\{4, 3, 3, 2\}$, $\{4, 3, 3, 1\}$, $\{4, 3, 3, 0\}$,
 $\{4, 3, 2, 2\}$, $\{4, 3, 2, 1\}$, $\{4, 3, 2, 0\}$,
 $\{4, 3, 1, 1\}$, $\{4, 3, 1, 0\}$, ~~$\{4, 3, 0, 0\}$~~

can fill

$\{4, 2, 2, 2\}$, $\{4, 2, 2, 1\}$, $\{4, 2, 2, 0\}$,
 $\{4, 2, 1, 1\}$, $\{4, 2, 1, 0\}$, $\{4, 2, 0, 0\}$,

needs

$\{4, 1, 1, 1\}$, $\{4, 1, 1, 0\}$, $\{4, 1, 0, 0\}$

Possibility 3:

$\{3, 8, 2, 2\}$, $\{3, 8, 2, 1\}$, $\{3, 8, 2, 0\}$,

$\{3, 8, 1, 1\}$, $\{3, 8, 1, 0\}$, $\{3, 8, 0, 0\}$,

$\{3, 7, 4, 2\}$, $\{3, 7, 4, 1\}$, $\{3, 7, 4, 0\}$,

$\{3, 7, 3, 2\}$, $\{3, 7, 3, 1\}$, $\{3, 7, 3, 0\}$,

$\{3, 7, 2, 2\}$, $\{3, 7, 2, 1\}$, $\{3, 7, 2, 0\}$,

$\{3, 7, 1, 1\}$, $\{3, 7, 1, 0\}$, $\{3, 7, 0, 0\}$,

$\{3, 6, 4, 2\}$, $\{3, 6, 4, 1\}$, $\{3, 6, 4, 0\}$,

$\{3, 6, 3, 2\}$, $\{3, 6, 3, 1\}$, $\{3, 6, 3, 0\}$,

$\{3, 6, 2, 1\}$, $\{3, 6, 1, 1\}$, $\{3, 6, 1, 0\}$,

$\{3, 5, 4, 2\}$, $\{3, 5, 4, 1\}$, $\{3, 5, 4, 0\}$,

$\{3, 5, 3, 2\}$, $\{3, 5, 3, 1\}$, $\{3, 5, 3, 0\}$,

$\{3, 5, 2, 2\}$, $\{3, 5, 2, 1\}$, $\{3, 5, 2, 0\}$,

$\{3, 5, 1, 1\}$, $\{3, 5, 1, 0\}$, $\{3, 5, 0, 0\}$,

$\{3, 4, 4, 4\}$, $\{3, 4, 4, 3\}$, $\{3, 4, 4, 2\}$,

$\{3, 4, 4, 1\}$, $\{3, 4, 4, 0\}$, $\{3, 4, 3, 3\}$,

$\{3, 4, 3, 2\}$, $\{3, 4, 3, 1\}$, $\{3, 4, 3, 0\}$
 $\{3, 4, 2, 2\}$, $\{3, 4, 2, 1\}$, $\{3, 4, 2, 0\}$,
 $\{3, 4, 1, 1\}$, $\{3, 4, 1, 0\}$, $\{3, 4, 0, 0\}$,
 $\{3, 3, 3, 3\}$, $\{3, 3, 3, 2\}$, $\{3, 3, 3, 1\}$,
 $\{3, 3, 3, 0\}$, $\{3, 3, 2, 2\}$, $\{3, 3, 2, 1\}$,
 $\{3, 3, 2, 0\}$, $\{3, 3, 1, 1\}$, $\{3, 3, 1, 0\}$,
 $\{3, 3, 0, 0\}$, $\{3, 2, 1, 1\}$, $\{3, 2, 1, 0\}$,
 $\{3, 1, 1, 1\}$, $\{3, 1, 1, 0\}$, $\{3, 2, 2, 1\}$

Possibility 2:

$\{2, 9, 2, 2\}$, $\{2, 9, 2, 1\}$, $\{2, 9, 2, 0\}$,
 $\{2, 9, 1, 1\}$, $\{2, 9, 1, 0\}$, $\{2, 9, 0, 0\}$,
 $\{2, 8, 4, 2\}$, $\{2, 8, 4, 1\}$, $\{2, 8, 4, 0\}$,
 $\{2, 8, 3, 2\}$, $\{2, 8, 3, 1\}$, $\{2, 8, 3, 0\}$,
 $\{2, 8, 2, 1\}$, $\{2, 8, 1, 1\}$, $\{2, 8, 1, 0\}$,
 $\{2, 7, 7, 2\}$, $\{2, 7, 7, 1\}$, $\{2, 7, 7, 0\}$,

(89)

8 new
8 new
non-incl.

81 ref'd,
incl.

57 non-incl.

$\{2, 7, 5, 2\}$, $\{2, 7, 5, 1\}$, $\{2, 7, 5, 0\}$,
 $\{2, 7, 4, 2\}$, $\{2, 7, 4, 1\}$, $\{2, 7, 4, 0\}$,
 $\{2, 7, 3, 2\}$, $\{2, 7, 3, 1\}$, $\{2, 7, 3, 0\}$,
 $\{2, 7, 2, 2\}$, $\{2, 7, 2, 1\}$, $\{2, 7, 2, 0\}$,
 $\{2, 7, 1, 1\}$, $\{2, 7, 1, 0\}$, $\{2, 7, 0, 0\}$,
 $\{2, 6, 6, 2\}$, $\{2, 6, 6, 1\}$, $\{2, 6, 6, 0\}$,
 $\{2, 6, 4, 4\}$, $\{2, 6, 4, 3\}$, $\{2, 6, 4, 2\}$,
 $\{2, 6, 4, 1\}$, $\{2, 6, 4, 0\}$, $\{2, 6, 3, 3\}$,
 $\{2, 6, 3, 1\}$, $\{2, 6, 2, 2\}$, $\{2, 6, 2, 1\}$,
 $\{2, 6, 2, 0\}$, $\{2, 6, 1, 1\}$, $\{2, 6, 1, 0\}$,
 $\{2, 6, 0, 0\}$, $\{2, 5, 5, 2\}$, $\{2, 5, 5, 1\}$,
 $\{2, 5, 5, 0\}$, $\{2, 5, 4, 4\}$, $\{2, 5, 4, 3\}$,
 $\{2, 5, 4, 1\}$, $\{2, 5, 3, 2\}$, $\{2, 5, 3, 1\}$,
 $\{2, 5, 3, 0\}$, $\{2, 5, 1, 1\}$, $\{2, 4, 4, 4\}$,
 $\{2, 4, 4, 3\}$, $\{2, 4, 4, 2\}$, $\{2, 4, 4, 1\}$,

$\{2,4,4,0\}$, $\{2,4,3,3\}$, $\{2,4,3,2\}$,
 $\{2,4,3,1\}$, $\{2,4,3,0\}$, $\{2,4,2,2\}$,
 $\{2,4,2,1\}$, $\{2,4,2,0\}$, $\{2,4,1,1\}$,
 $\{2,4,1,0\}$, $\{2,4,0,0\}$, $\{2,3,3,3\}$,
 $\{2,3,3,2\}$, $\{2,3,3,1\}$, $\{2,3,3,0\}$,
 $\{2,3,2,1\}$, $\{2,3,1,1\}$, $\{2,3,1,0\}$,
 $\{2,2,2,2\}$, $\{2,2,2,1\}$, $\{2,2,2,0\}$,
 $\{2,2,1,1\}$, $\{2,2,1,0\}$, $\{2,2,0,0\}$,
 $\{2,1,1,1\}$, $\{2,1,1,0\}$

Need

Conf

Fill

101

New
 100 repeat
 incl.
 44 non-
 unique can
 fill

Possibility 1:

$\{1,9,2,2\}$, $\{1,9,2,1\}$, $\{1,9,2,0\}$,
 $\{1,9,1,1\}$, $\{1,9,1,0\}$, $\{1,9,0,0\}$,
 $\{1,8,4,2\}$, $\{1,8,4,1\}$, $\{1,8,4,0\}$,
 $\{1,8,3,2\}$, $\{1,8,3,1\}$, $\{1,8,3,0\}$,
 $\{1,8,2,2\}$, $\{1,8,2,1\}$, $\{1,8,2,0\}$

$\{1, 8, 1, 1\}$, $\{1, 8, 1, 0\}$, $\{1, 8, 0, 0\}$,

$\{1, 7, 7, 2\}$, $\{1, 7, 7, 1\}$, $\{1, 7, 7, 0\}$,

$\{1, 7, 5, 2\}$, $\{1, 7, 5, 1\}$, $\{1, 7, 5, 0\}$,

$\{1, 7, 4, 4\}$, $\{1, 7, 4, 3\}$, $\{1, 7, 4, 2\}$,

$\{1, 7, 4, 1\}$, $\{1, 7, 4, 0\}$, $\{1, 7, 3, 3\}$,

$\{1, 7, 3, 2\}$, $\{1, 7, 3, 1\}$, $\{1, 7, 3, 0\}$,

$\{1, 7, 2, 2\}$, $\{1, 7, 2, 1\}$, $\{1, 7, 2, 0\}$,

$\{1, 7, 1, 1\}$, $\{1, 7, 1, 0\}$, $\{1, 7, 0, 0\}$,

$\{1, 6, 6, 2\}$, $\{1, 6, 6, 1\}$, $\{1, 6, 6, 0\}$,

$\{1, 6, 4, 4\}$, $\{1, 6, 4, 3\}$, $\{1, 6, 4, 2\}$,

$\{1, 6, 4, 1\}$, $\{1, 6, 4, 0\}$, $\{1, 6, 3, 3\}$,

$\{1, 6, 3, 2\}$, $\{1, 6, 3, 1\}$, $\{1, 6, 3, 0\}$,

$\{1, 6, 2, 2\}$, $\{1, 6, 2, 1\}$, $\{1, 6, 2, 0\}$,

$\{1, 6, 1, 1\}$, $\{1, 6, 1, 0\}$, $\{1, 6, 0, 0\}$,

$\{1, 5, 5, 2\}$, $\{1, 5, 5, 1\}$, $\{1, 5, 5, 0\}$,

$$\begin{array}{r} 27 \\ 13 \\ \hline 81 \end{array}$$

Fills
row 3

$\{1, 5, 4, 4\}$, $\{1, 5, 4, 3\}$, $\{1, 5, 4, 2\}$,
 $\{1, 5, 4, 1\}$, $\{1, 5, 4, 0\}$, $\{1, 5, 3, 3\}$,
 $\{1, 5, 3, 2\}$, $\{1, 5, 3, 1\}$, $\{1, 5, 3, 0\}$,
 $\{1, 5, 2, 1\}$, $\{1, 5, 1, 1\}$, $\{1, 5, 1, 0\}$,
 $\{1, 4, 4, 4\}$, $\{1, 4, 4, 3\}$, $\{1, 4, 4, 2\}$,
 $\{1, 4, 4, 1\}$, $\{1, 4, 4, 0\}$, $\{1, 4, 3, 3\}$,
 $\{1, 4, 3, 2\}$, $\{1, 4, 3, 1\}$, $\{1, 4, 3, 0\}$,
 $\{1, 4, 2, 2\}$, $\{1, 4, 2, 1\}$, $\{1, 4, 2, 0\}$,
 $\{1, 4, 1, 1\}$, $\{1, 4, 1, 0\}$,
 $\{1, 3, 3, 3\}$, $\{1, 3, 3, 2\}$, $\{1, 3, 3, 1\}$, $\{1, 3, 3, 0\}$,
 $\{1, 3, 2, 2\}$, $\{1, 3, 2, 1\}$, $\{1, 3, 2, 0\}$,
 $\{1, 3, 1, 1\}$, $\{1, 3, 1, 0\}$, $\{1, 2, 2, 2\}$, $\{1, 2, 2, 1\}$,
 $\{1, 2, 2, 0\}$, $\{1, 2, 1, 1\}$, $\{1, 2, 1, 0\}$,
 $\{1, 1, 1, 1\}$

$\{1, 3, 2\}$

Need 1

82

All
repeat
43
non-unique

Possibility 0:

$\{0, 9, 2, 2\}$, $\{0, 9, 2, 1\}$, $\{0, 9, 2, 0\}$,
 $\{0, 9, 1, 1\}$, $\{0, 9, 1, 0\}$, $\{0, 9, 0, 0\}$,

$\{0, 8, 4, 2\}$, $\{0, 8, 4, 1\}$, $\{0, 8, 4, 0\}$,
 $\{0, 8, 3, 2\}$, $\{0, 8, 3, 1\}$, $\{0, 8, 3, 0\}$,
 $\{0, 8, 2, 1\}$, $\{0, 8, 1, 1\}$, $\{0, 8, 1, 0\}$,
 $\{0, 7, 7, 2\}$, $\{0, 7, 7, 1\}$, $\{0, 7, 7, 0\}$,
 $\{0, 7, 5, 2\}$, $\{0, 7, 5, 1\}$, $\{0, 7, 5, 0\}$,
 $\{0, 7, 4, 4\}$, $\{0, 7, 4, 3\}$, $\{0, 7, 4, 2\}$,
 $\{0, 7, 4, 1\}$, $\{0, 7, 4, 0\}$, $\{0, 7, 3, 3\}$,
 $\{0, 7, 3, 2\}$, $\{0, 7, 3, 1\}$, $\{0, 7, 3, 0\}$,
 $\{0, 7, 2, 1\}$, $\{0, 7, 1, 1\}$, $\{0, 7, 1, 0\}$,
 $\{0, 6, 6, 2\}$, $\{0, 6, 6, 1\}$, $\{0, 6, 6, 0\}$,
 $\{0, 6, 4, 4\}$, $\{0, 6, 4, 3\}$, $\{0, 6, 4, 2\}$,
 $\{0, 6, 4, 1\}$, $\{0, 6, 4, 0\}$, $\{0, 6, 3, 3\}$,
 $\{0, 6, 3, 1\}$, $\{0, 6, 2, 2\}$, $\{0, 6, 2, 1\}$,
 $\{0, 6, 2, 0\}$, $\{0, 6, 1, 1\}$, $\{0, 6, 1, 0\}$,
 $\{0, 6, 0, 0\}$, $\{0, 5, 5, 2\}$, $\{0, 5, 5, 1\}$,

$$\begin{array}{r} 26 \\ 3 \\ \hline 78 \end{array} 12-80$$

$\{0, 5, 5, 0\}$, $\{0, 5, 4, 4\}$, $\{0, 5, 4, 3\}$,

$\{0, 5, 4, 1\}$, $\{0, 5, 3, 3\}$, $\{0, 5, 3, 2\}$,

$\{0, 5, 3, 1\}$, $\{0, 5, 3, 0\}$, $\{0, 5, 1, 1\}$,

$\{0, 4, 4, 4\}$, $\{0, 4, 4, 3\}$, $\{0, 4, 4, 2\}$,

$\{0, 4, 4, 1\}$, $\{0, 4, 4, 0\}$, $\{0, 4, 3, 3\}$,

$\{0, 4, 3, 1\}$, $\{0, 4, 2, 2\}$, $\{0, 4, 2, 1\}$,

$\{0, 4, 2, 0\}$, $\{0, 4, 1, 1\}$, $\{0, 3, 3, 3\}$,

$\{0, 3, 3, 2\}$, $\{0, 3, 3, 1\}$, $\{0, 3, 3, 0\}$,

$\{0, 3, 2, 1\}$, $\{0, 3, 1, 1\}$, $\{0, 2, 2, 2\}$, $\{0, 2, 2, 1\}$,

$\{0, 2, 2, 0\}$, $\{0, 2, 1, 1\}$