

Terminology

Sheet

A single piece of paper

Folio

A folded sheet of paper

Leaf

One half of a folio that has two pages, one on the front and one on the back

Page

One side of a leaf that will form a single side of paper once the book is bound.

Section, Gathering Or Signature

A collection of sheets of paper that are folded. It's very common for sections to have 4 sheets

Imposition

The process of arranging the pages in a book.

Number of signatures	Print Page Number	Book Page Number
1	0	3
1	1	0
1	2	1
1	3	2
2	0	7
2	1	0
2	2	1
2	3	6
2	4	5
2	5	2
2	6	3
2	7	4
3	0	11
3	1	0
3	2	1
3	3	10

Number of signatures	Print Page Number	Book Page Number
3	4	9
3	5	2
3	6	3
3	7	8
3	8	7
3	9	4
3	10	5
3	11	6

Sequence for a signature

The number of pages for a signal signature is
 $4 * s$

where s is the number of sheets in the signature

If we count the first page as the zeroth page (There's a good reason for this that will become clear later) then the highest page number is $4 * s - 1$.

Also note that the page numbers across any side of a sheet will add up to this number

Also when going from one page to the next the page number goes up by one or down by one depending on if you're going from an even sheet to an odd sheet or an odd sheet to an even sheet.

This means we end up following a sequence going around the following cycle.

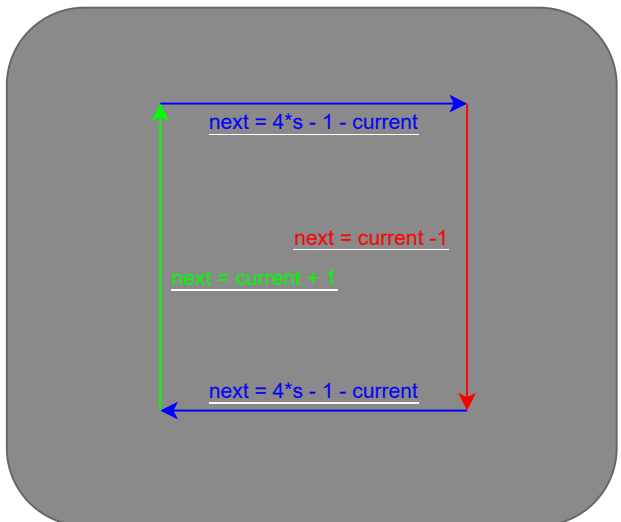
Starting at the bottom right and going clockwise.

If you go side ways, then apply the formula

$$\text{next} = 4*s - 1 - \text{current}$$

If you go up, then you add one

if you go down then you subtract one.



4 sheet signature	
number	pages
1	16
2	32
3	48
4	64
5	80
6	96
7	112
8	128

3 sheet signature	
number	pages
1	12
2	24
3	36
4	48
5	60
6	72
7	84
8	96