```
                    ( Start )
                        |
                   _____|_____
                  /     N     |
                 /_____|
                        |
                   _____
                  | i←1    || 1 |_____
                  |_____|                             |
                  |     N     |_____                   |
                  |_____|          |                  |
                        |            _____|_____    |
                        |           /     A[i]           |___|
                        |          /_____|
                        |
                   _____
                  | i←N   | -1 |_____
                  |_____|                                    |
                  |     2     |_____                        |
                  |_____|            |                       |
                        |          _____|_____        |
                        |         | A[i] = A[i] + A[i-1]   |_____|
                        |         |_____|
                        |
                   _____
                  | i←1   | 1  |_____
                  |_____|                           |
                  |     N     |_____                |
                  |_____|           |               |
                        |          _____|_____        |
                        |         /     A[i]      |_____|
                        |        /_____|
                        |
                    ( Stop )
```

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A[N]	A[N-1]	(new) A[N]	i	output
2	4	6	N	5 11 8 7 6
4	3	7	1	
3	6	8	1	
6	5	11	2	

Digit 1   5 6 8 4 2

A[N]	A[N-1]	(new) A[N]	i	output
2	1	3	N	3 4 3
1	3	4	2	

Digit 2 = 3 1 2

A[N]	A[N-1]	A[N]	i	Output
5	1	6	N	3 11 10 8 7 6
1	6	7	1	
6	2	8	⟨	
2	8	10	2	
8	3	11		

Digi3 → 3 8 2 6 1 5