

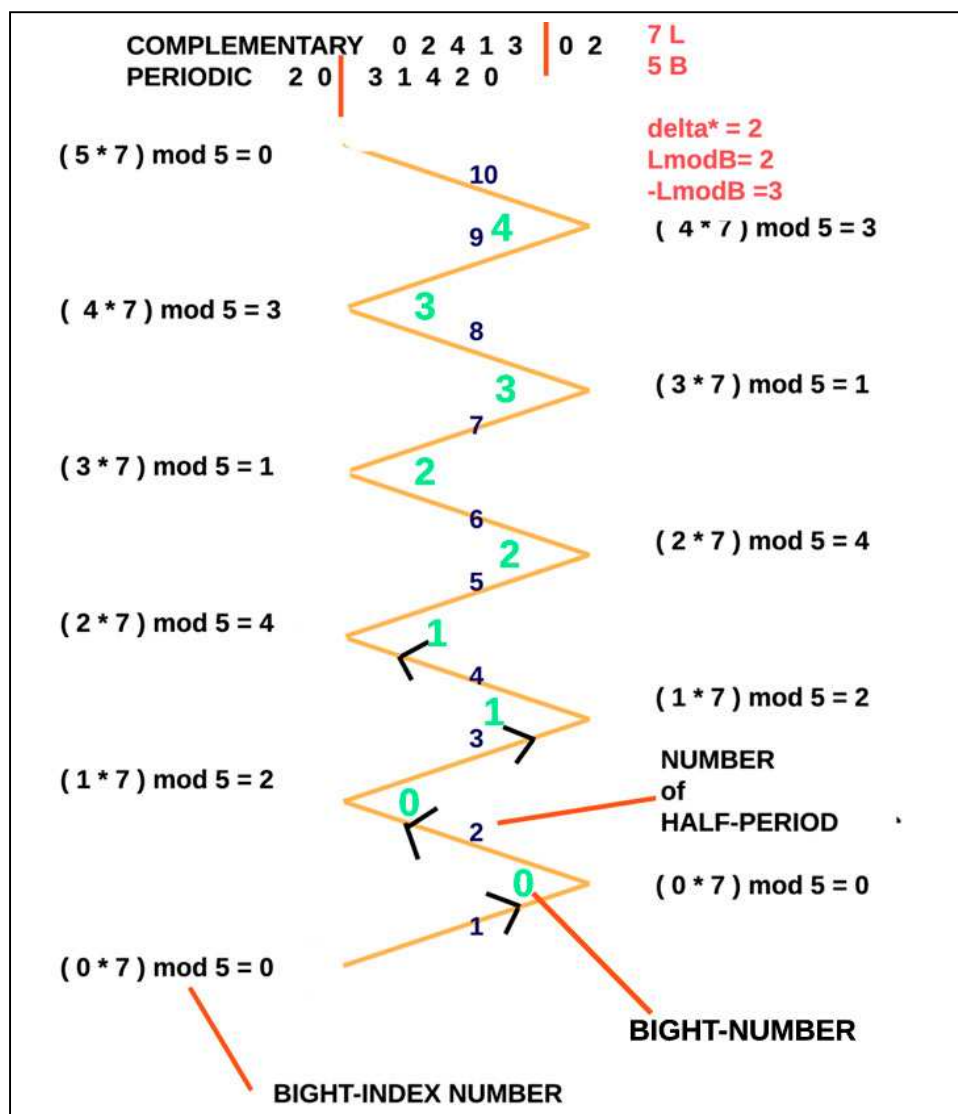
# BIHP

## BIGHT INDEX & HALF-PERIOD

This is to be used as « companion » with **BALG**.

Can also be used with pencil and paper management of BIGHT COMPLEMENTARY AND PERIODIC SEQUENCES and BIGHT ALGORITHM.

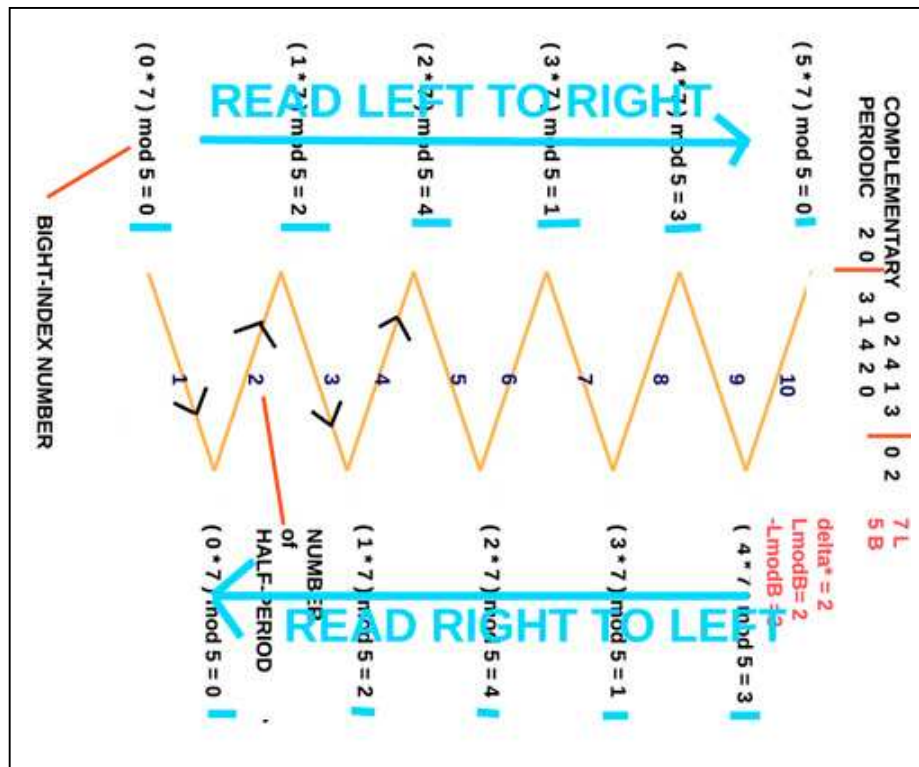
First you need some « brainless introduction » to some nomenclature



"I" for each BIGHT can be computed relative to the concerned HALF-PERIOD.

**ODD H-P** go **LEFT**ward and on an UP slant ; hence writing and reading **LEFT TO RIGHT** the algorithm

**EVEN H-P** go **RIGHT**ward and on an UP slant ; hence writing and reading **RIGHT TO LEFT** the algorithm.



"I" ( the number in **RED** on the **LEFT** and **GREEN** on the **RIGHT** ) are related to the number of the H-P STARTING FROM IT by 2 relations depending on PARITY of H-P ( DARK BLUE numbers on the ORANGE arrows )

**EVEN H-P** ( the number of it being denoted by HPE ) starting on the RIGHT side.

$$I = (HPE - 2) / 2$$

Hence 8<sup>th</sup> H-P go with Bight-Number = 3

**ODD HP** ( the number of it being denoted by HPO ) starting on the LEFT side.

$$I = (HPO - 3) / 2$$

Hence 5<sup>th</sup> H-P go with Bight-Number = 1

This will be calculated for you in **BIHP**.

**PGR1** will compute for **only one H-P**, the number of which you have to enter

**PGR2** will compute **all the I** of a knot, the number of LEAD and BIGHT you have to enter.