**Project : make a new indicator by custom PSAR**

I have a request of making a new indicator by using custom PSAR.

I hope new indicator to show 3 lines (Upper, Middle and Lower lines) on chart.

And for more details, take a look at below image, please.



Image of showing the calculation

As you can see, there are 3 lines on chart by OIH\_PSAR\_1st\_v1.2 (the latest version).

As we discussed, a custom PSAR indicator will be used for the calculation.

And below contents are for the calculation to get upper line, middle (average) line and lower line.

On above image attached, there is a value that v2 has numerical value.

And it is the 1st point where v2 has numerical value.

In this point, we can get upper line, middle (average) line and lower line likely as below.

At 2018.08.29 13:52,

Upper line = v2 of OIH\_PSAR\_1st\_v1.2 = 1.16723

Lower line = Upper line - price\_close = 1.16609

Middle line = (Upper - Lower) / 2 = 0.00114 / 2 = 0.00057

= 1.16723 - 0.00057 = 1.16666

On above calculation, v2 of OIH\_PSAR\_1st\_v1.2 was used in the calculation because v1 is equals to 0.00000 and v2 is not equals to 0.00000 in this time.

On the contrary, v1 of OIH\_PSAR\_1st\_v1.2 is used in the calculation when v1 is not equals to 0.00000 and v2 is equals to 0.00000 in this time.

With these values, it can show more dynamic lines by MA method.

Here, MA means SMA, EMA and LWMA.

And also, there will be adjustable inputs in parameter as followings below.

〮 Step 0.02

〮 Maximum 0.2

〮 Maximum Bars back in History 1000

**Colors and the width**

Upper line DodgerBlue, width 1

Middle line Gold, width 1

Lower line Tomato, width 1

A new indicator will be **“OIH\_DynamicPSAR\_v1.0”.**

**Requirement(s)**

∙ It should work properly as I described.