HALF-AUTO TRADING PANEL FOR MT4

i.   It is a half automatic EA for MT4, with an Input Panel as shown below:

A				LONG		
A.1	Direction	Long		A.2	Invest in $ / Lots	Balance * Leverage	Lots
A.3	Starting Top	Time	Date	Price shown automatically	A.5 Est. Loss	% shown automatically
A.4	Starting Bot	Time	Date	Price shown automatically	A.6 ASH/RSH	% shown automatically
A.7	Confirm Order	Send [A]	A.8 Emergency Stop	Stop [A]	A.9 Status:	Inactive

B				LONG		
B.1	Direction	Long		B.2	Invest in $ / Lots	Balance * Leverage	Lots
B.3	Starting Top	Time	Date	Price shown automatically	B.5 Est. Loss	% shown automatically
B.4	Starting Bot	Time	Date	Price shown automatically	B.6 ASH/RSH	% shown automatically
B.7	Confirm Order	Send [B]	B.8 Emergency Stop	Stop [B]	B.9 Status:	Inactive

▼

10	Max. Lots / Position	20	11	Leverage 1:	10
12	ATR Period	50	13	Chande ATR Period	24
14	Min. Swing Height	4.0 ATR	15	Max. Est. Lost (%)	6
16	If End Holding >	9 Candles	17	, update only if >	Fib 0 +/- 1.0 ATR
18	Fib. Entry Level	0.5	23	Initial Stop Loss	Fib 0 +/- 1.0 ATR	
19	Enter at or after the	10th Candle	24	Pivot SL (<3%/>3%)	48	108
20	Can ignore 19. If TAB(<3%)	Yes	25	Stop Profit Trig. Lv.	Fib 1
21	AFE before Entry	Yes	26	Stop if RC. C.<Fib at 25.	Yes
22	Cancel if touching	Fib 1.0 +/- 1.0 ATR	27	Stop Profit Chande Kroll	2.0 ATR
28	Use CMF System?	Yes	29	Signal Receive Email	Email Address
			30	Email Passowrd	Password
31	1st Alert	ChK (4.0)	35	Trading Signal	Provider / Receiver
32	2nd Alert (<3%/>3%)	Pivot (12) Pivot (24)	36	Signal Prv. to / Rec. from	Email Address
33	3rd Alert	Stop if </> FEL			
34	Swing Accept Proportion	50%	37	Setting Lock	Lock

ii.   Now I will introduce Part A of the Panel first:

For component,

A.1:   is a **Drop-down List** with options: [Long, Short],

if you select Long, then the positions that you will open is Long, and the wording "**LONG**" in white Font and **Green** Background will appear at the top right corner box.

if you select Short, then the positions that you will open is Short, and the wording "**SHORT**" in white Font and **Red** Background will appear at the top right corner box.

A.2:   is a **Display Field**, showing the value of position that you are going to open,

in **Dollars** *(Total Balance * Leverage)* for the Left Box,

and in **Lots** for the Right Box

A.3:   This Area is available only if the option "**Long**" is chosen in A.1. Otherwise, this Area is unavailable - unable to type in anything.

For the Left Box, is an **Input Area**, inputting the Time in Form of [HH:MM].

For the Middle Box, is an **input area**, inputting the Date in Form of [DD/MM].

After Inputting the Left (*Time*) and Middle Box (*Date*), for example: **[20:00] [23/10]**, a **Green Vertical Dash Line** will be plotted base on the *inputted time and date*, a **Blue Horizontal Dash Line** will be plotted and projected to the left from the **High** of the specified candle which was just defined by the *inputted time and date*, the **Lowest Low** will be automatically searched from the *inputted time and date* (**Green Vertical Dash Line**), and a **Yellow Horizontal Dash Line** will be plotted and projected to the right from the **Lowest Low**.

Moreover, before opening any positions, the **Lowest Low** needs to be updated instantly once a **Lower Low** is found. (Be remined that once the positions are opened and holding, the **Yellow Horizontal Dash Line** is fixed and won't be updated or changed anymore. Please make this rule as the First Priority.)

The **Fibonacci Entry Level** (which is configured in the 18. of **Part of Settings**) is plotted on the chart, the **Blue Horizontal Dash Line** is **Fibonacci Level 1** and

the <mark>Yellow Horizontal Dash Line</mark> is **Fibonacci Level 0**. The area is shaded in **Blue** above the Entry Level, and in <mark>Yellow</mark> below the Entry Level.

The **Initial Stop Loss** (which is configured in 12. of Part of Settings, be remined that the ATR Value is taken at the moment of **Purple Arrow**) is also plotted on the chart with a **Purple Horizontal Dash Line**.

All the above-mentioned drawings are plotted and demonstrated on the Chart once A.3 is inputted:

Figure.1

For the Right Box, is a **Display Field**, indicating the **High** of the Candle which is specified by the time and date (the price level of the **Blue Horizontal Dash Line** from **Figure.1**).

A.4: This Area is available only if the option "**Short**" is chosen in A.1. Otherwise, this Area is **locked** and unable to input anything.

For the Left Box, is an **Input Area**, inputting the Time in Form [HH:MM] manually

For the Middle Box, is an **Input Area**, inputting the Date in Form [DD/MM] manually

After Inputting the Left (*Time*) and Middle Box (*Date*), for example: **[20:00] [10/10]**, a **Red Vertical Dash Line** will be plotted base on the *inputted time and date*, a **Blue Horizontal Dash Line** will be plotted and projected to the left from the **Low** of the specified candle which was just defined by the *inputted time and date*, the **Highest High** will be automatically searched from the *inputted time and*

date (**Red Vertical Dash Line**), and a <mark>Yellow Horizontal Dash Line</mark> will be plotted and projected to the right from the **Highest High**.

Moreover, before opening any positions, the **Highest High** needs to be updated instantly once a **Higher High** is found. (Be remined that once the positions are opened and holding, the <mark>Yellow Horizontal Dash Line</mark> is fixed and won't be updated or changed anymore. Please make this rule as the First Priority.)

The **Fibonacci Entry Level** (which is configured in the 18. of **Part of Settings**, default level is 0.5) is plotted on the chart, the **Blue Horizontal Dash Line** is **Fibonacci Level 1** and the <mark>Yellow Horizontal Dash Line</mark> is **Fibonacci Level 0**. The area is shaded in **Blue** blow the Entry Level, and in <mark>Yellow</mark> above the Entry Level.

The **Initial Stop Loss** (which is configured in 12. of **Part of Settings**, be remined that the ATR Value is taken at the moment of **Purple Arrow**) is also plotted on the chart with a **Purple Horizontal Dash Line**.

All the above-mentioned drawings are plotted and demonstrated on the Chart once A.4 is inputted:

Figure.2

For the Right Box, is a **Display Field**, indicating the **Low** of the candle which is specified by the time and date (the price level of the **Blue Horizontal Dash Line** from **Figure.2**).

A.5: is a **Display Field**, indicating the **Estimated Maximum Loss** in %,

= **| (Entry Level – Initial Stop Loss Level) / Entry Level |**

For example, in **Figure.1 & 2**, the **Estimated Maximum Loss** is

= **| (Fibonacci 0.5 Level - Purple Horizontal Dash Line Level) / Fibonacci 0.5 Level |**

A.6:   is a **Display Field**, indicating the

Actual Swing Height (ASH) / Minimum Required Swing Height (RSH),

The **Minimum Required Swing Height (RSH)** is configured in the 14. of **Part of Settings** (remined that the most recent ATR Value is taken for RSH)

For example, in **Figure.1 & 2**, the **ASH / RSH** is

= **| (Yellow Horizontal Dash Line Level - Blue Horizontal Dash Line Level) / RSH |**

A.7:   is a **Button**, after clicking the "**Send [A]**" button, a series of Procedures will be run, the detail of the Procedures will be explained and elaborated later.

A.8:   is a **Button**, after clicking the "**Stop [A]**" button, all the relative positions and Procedures opened and started by **Part A** **of Panel** will be closed and stopped immediately.

A.9:   is a **Display Field**,

If no Procedure is running, the wording **"Inactive"** in **Black Font** is shown in the box.

If the Procedure started by **Part A** **of Panel** is running but no position is holding, the wording **"Pending"** in **Purple Font** is shown in the box.

If position(s) are holding due to the **Procedure of** **Part A**, the wording **"Opened"** in **Blue Font** is shown in the box.

If position(s) are holding due to the **Procedure of** **Part A** and the price touched the **Stop Profit Triggered Level** (which is configured in the 23. of **Part of Settings**, the default level is **Fibonacci Level 1**), the wording **"SP Trig."** in **Green Font** is shown in the box. For example, for **Figure.1 & 2**, **Yellow Horizontal Dash Line Level** is the **Stop Profit Triggered Level**.

If position(s) are holding due to the **Procedure of** **Part A** and the CMF Alert (detail of CMF Alert System will be explained and elaborated later) is triggered, the wording **"CMF Alert"** in **Red Font** is shown in the box.

iii.   Now I will introduce **Part B** of the Panel:

B				LONG		
B.1	Direction	Long		B.2	Invest in $ / Lots	Balance * Leverage	Lots
B.3	Starting Top	Time	Date	Price shown automatically	B.5	Est. Loss	% shown automatically
B.4	Starting Bot	Time	Date	Price shown automatically	B.6	ASH/RSH	% shown automatically
B.7	Confirm Order	Send [B]		B.8	Emergency Stop	Stop [B]	B.9	Status:	Inactive

For component B.1 *to* B,6*, they are all the same as* A.1 *to* A.6*, but be reminded that the*
all the Procedures and Positions of Panel Part A *and* ***Running Procedures and Positions of Panel*** Part B *are both* ***independent****, they are* ***identical*** *and* ***not related to each other****.*

B.7:   is a **Button**, after clicking the "**Send [B]**" button, a series of Procedures will be run, the detail of the Procedures will be explained and elaborated later.

B.8:   is a **Button**, after clicking the "**Stop [B]**" button, all the relative positions and Procedures opened and started by Part B **of Panel** will be closed and stopped immediately.

B.9:   is a **Display Field**,

If no Procedure is running, the wording **"Inactive"** in **Black Font** is shown in the box.

If the Procedure started by Part B **of Panel** is running but no position is holding, the wording **"Pending"** in **Purple Font** is shown in the box.

If position(s) are holding due to the **Procedure of** Part B, the wording **"Opened"** in **Blue Font** is shown in the box.

If position(s) are holding due to the **Procedure of** Part B and the price touched the **Stop Profit Triggered Level** (which is configured in the 23. of **Part of Settings**, the default level is **Fibonacci Level 1**), the wording **"SP Trig."** in **Green Font** is shown in the box. For example, for Figure.1 & 2, **Yellow Horizontal Dash Line Level** is the **Stop Profit Triggered Level**.

If position(s) are holding due to the **Procedure of** Part B and the CMF Alert (detail of CMF Alert System will be explained and elaborated later) is triggered, the wording **"CMF Alert"** in **Red Font** is shown in the box.

iv.　　　Now I will introduce Part of Settings of the Panel:

The gray shaded bar on the top with an **Up Arrow** is a **Button**, after clicking it, the Part of Settings of the Panel under the Button will be hidden, and then the Button Symbol will change to **Down Arrow**. Clicking it again then the Part of Settings will be shown again, also the Button Symbol will change back to an **Up Arrow**:

Before:　　　　　　　　　　　　　　　　　　　　　*After*:

Now I introduce the all the rest components:

10. is a **Drop-down List** with options: [1 ,2 ,3 ,4 ,5 ,6 ,7 ,8 ,9 ,10 ,20 ,30 ,40 ,50], default option: [20].

    This is the **Maximum Lots per Position** can be taken, if the required Lots shown in A.2 or B.2 is greater than the **Maximum Lots per Position**, for example,

    A.2 box is shown as **72 Lots**, and the **Maximum Lots per Position** here you **20 Lots** is chosen, then the order sending to the Market will be split into **4 Positions**: **20 Lots, 20 Lots, 20 Lots** and **12 Lots** simultaneously once the open criteria is fulfilled.

11. is an **Input Area**, default value: [10].

    This is the **Leverage** of the order, if your input is [10], then the Leverage is 1:10.

12. is an **Input Area**, default value: [50].

    This is the **Simple Moving Average (SMA) Period of Average True Range (ATR)**, for the buffer zone of 23. **Initial Stop Loss**, buffer zone of 24. **Pivot Stop Loss**, 14. **Minimum Required Swing Height**, 17. and 22..

13. is an **Input Area**, default value: [24].

    It is the **Period of Chande Kroll Stop** for the 27. **Stop Profit** and once **Chande Kroll Stop** related options are chosen in 31. – 33.. The Script of **Chande Kroll Stop** as attached in the zip file.

    For example, if [24] is inputted in 13., then the *ATRPeriod* is [24] as well in **Chande Kroll Stop** Input. (*Length* is fixed as 1, *Kv* is determined in 27.):
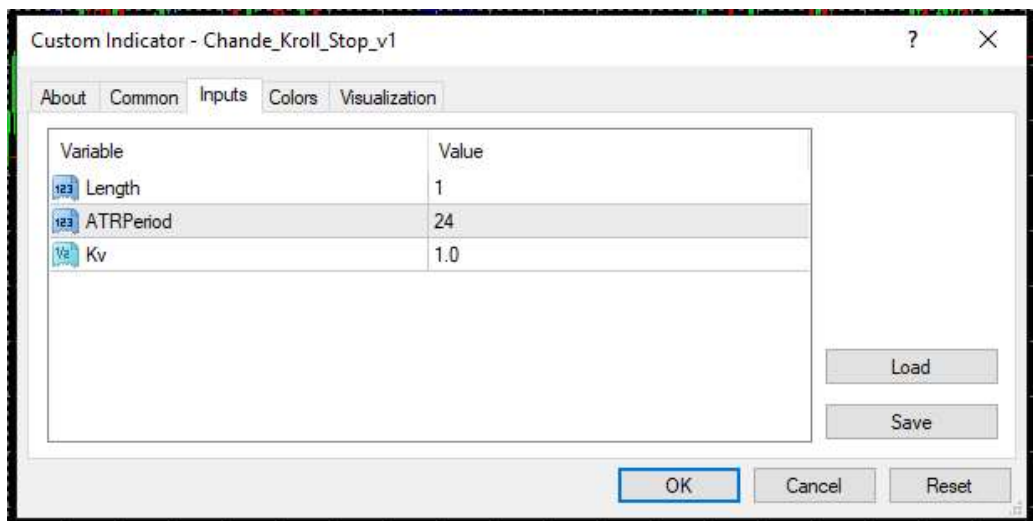
Figure.A

14. is a **Drop-down List** with options: [1.0 ATR, 2.0 ATR, 3.0 ATR, 4.0 ATR … … 10.0 ATR, 11.0 ATR, 12.0 ATR], default option: [4.0 ATR]

This is the **Minimum Required Swing Height**, the **ATR Period** is determined in 12., the **Minimum Required Swing Height** is simply the Multiplication of the *Latest* ATR.

If your option is [4.0 ATR], then the **Minimum Required Swing Height** is 4.0 x *Latest* ATR.

If the **Swing Height** < **Minimum Required Swing Height**, then no order should be sent or executed.

For example,

in **Fugure.3**, the **Swing Height** = 49.06 while the *Latest* **Minimum Required Swing Height** = 53.96, as **Swing Height < Minimum Required Swing Height**, therefore no order is allowed to be executed.

in **Figure.4**, after a few candles, the **Swing Height** = 72.8 while the *Latest* **Minimum Required Swing Height** = 38.03, as **Swing Height > Minimum Required Swing Height**, therefore the orders are allowed to be executed.

Figure.3

Figure.4

Define the word "Latest"

The latest means the most recent completed candle, Therefore, the "*Latest*" Value for all indicators should be taken from the recent completed candle.

For example, from the **Figure.5** below, I would like to obtain the Latest ATR Value here, the Latest ATR Value should be the **Yellow Arrow** pointed Value which is the most recent complete candle, definitely not the **Red Arrow** pointed Value as it is still not completed:

Figure.5

15.   is an **Input Area**, default value: [6].

This is the **Maximum Limit of the Estimate Lost** in Percentage. If the box area is inputted as 6, then the **Maximum Limit of the Estimate Lost** is 6%.

If the **Estimate Lost** from A.5 > **Maximum Limit of the Estimate Lost**,

> If the Fibonacci Entry Level in Part A is 0.5, then the Fibonacci Entry Level in Part A is revised to 0.382.
>
> If the Fibonacci Entry Level in Part A is 0.382, then the Fibonacci Entry Level in Part A is revised to 0.236.
>
> If the Fibonacci Entry Level in Part A is already 0.236, automatically Press Button A.8 to stop all Procedures of Part A.

If the **Estimate Lost** from B.5 > **Maximum Limit of the Estimate Lost**,

> If the Fibonacci Entry Level in Part B is 0.5, then the Fibonacci Entry Level in Part B is revised to 0.382.
>
> If the Fibonacci Entry Level in Part B is 0.382, then the Fibonacci Entry Level in Part B is revised to 0.236.
>
> If the Fibonacci Entry Level in Part B is already 0.236, automatically Press Button B.8 to stop all Procedures of Part B.

For example, in **Figure.6** (A.1 / B.1 = [Long]), as the **Estimate Lost** = 2.77% and the **Maximum Limit of the Estimate Lost** is set as 6%, the **Estimate Lost** < **Maximum Limit of the Estimate Lost**. Therefore, nothing is happened.

Figure.6

For another example, in **Figure.7** (A.1 / B.1 = [Long]), as the **Estimate Lost** = 6.79% and the **Maximum Limit of the Estimate Lost** is set as 6%, the **Estimate Lost > Maximum Limit of the Estimate Lost**. Therefore, the **Fibonacci Entry Level** is revised to 0.382 (**Figure.8**).

As the **Fibonacci Entry Level** is revised to 0.382, the updated **Estimate Lost** = 5.41%, and now the **Estimate Lost < Maximum Limit of the Estimate Lost**. Therefore, the current **Fibonacci Entry Level** is suitable and no further action is taken with the current acceptable **Estimate Lost**.

Figure.7

Figure.8

16. is a **Drop-down List** with options: [1 Candle, 2 Candles, 3 Candles, 4 Candles … 71 Candles, 72 Candles], default opotion: [12 Candles].

This is the *First part of the "If True and Result" Function*.

As mentioned in A.3 & A.4, after defining the **Green / Red Vertical Dash Line**, the **Lowest Low/ Highest High** (with a projected <mark>Yellow Horizontal Dash Line</mark>) would be automictically found, if the **Lowest Low/ Highest High** stays and didn't change after the 16. selected Candles, then go to 17. For **"Result"**

For Example,

Settings: 16.: [12 Candles], A.1: [Short]

In **Figure.9**, you can clearly see that the End Highest Level (<mark>Yellow Horizontal Dash Line</mark>) is still remained unchanged after 12 Candles. Therefore, go to 17. for action.

Figure.9

17. is a **Drop-down List** with options: [Fib 0, Fib 0 +/- 0.25 ATR, Fib 0 +/- 0.5 ATR, Fib 0 +/- 1.0 ATR], default option: [Fib 0 +/- 1.0 ATR].

This is the *Second part of the "If True and Result" Function*.

Before 16. Is triggered, if the program spots a new **Lowest Low/ Highest High** (with the projected <mark>Yellow Horizontal Dash Line</mark>), the <mark>Yellow Horizontal Dash Line</mark> would be updated instantly.

But after 16. is triggered, the update of **Yellow Horizontal Dash Line** will be activated again, only if the new Lowest Low/ Highest High under/ over the original Lowest Low/ Highest High minus/ plus the distance of the selected ATR in 17..

(Be remined that the 16. will become *False* instantly and the restriction of 17. will be revoked if the **Yellow Horizontal Dash Line** is updated.)

(Be remined that once the positions are opened and holding, the **Yellow Horizontal Dash Line** is fixed and won't be updated anymore. Please make this rule as the First Priority.)

For example,

Settings: 17.: [Fib 0 +/- 1.0 ATR]

Figure.9 *is followed by* ***Figure.10***. In **Figure.10**, after 16. is triggered, the **Yellow Horizontal Dash Line** would only be updated if the new Highest High is over the Original Highest High (Current **Yellow Horizontal Dash Line**) + 1.0 ATR which is indicated as **Gray Horizontal Dash Line** *(Be remined that the ATR Value is extracted from the moment of Gray Arrow (at the moment which contains the original Highest High of Swing))*. Therefore, although the *latest* candle made the actual Higher High, the **Yellow Horizontal Dash Line** is remained unchanged.

Figure.10

After a few candles, we now come to **Figure.11**, the recent candle's high is over the Gray Horizontal Dash Line, therefore, the <mark>Yellow Horizontal Dash Line</mark> and the **Entry Level** are revised as the Scale has been changed (Entry Level revised from 2433.27 to 2447.12 with the same **Fibonacci level 0.5**) in **Figure.12**,

Figure.11

Figure.12

18. is a **Drop-down List** with options: [0.5, 0.382, 0.236], default option: [0.5].

This is the **Fibonacci Entry Level**, if the price touches the selected **Fibonacci Entry Level**, then open the Lots with Position(s) shown in A.2 / B.2 and 10.

For example, as you can see in **Figure.13**, after defining the Yellow Horizontal Dash Line (Fib Ratio: 0) and **Blue Horizontal Dash Line** (**Fibonacci Level 1**) in A.3 / B.3 or A.4 / B.4.,

Fibonacci Entry Level 0.5 is the Yellow Horizontal Solid Line,

Fibonacci Entry Level 0.382 is the Orange Horizontal Solid Line and

Fibonacci Entry Level 0.236 is the Red Horizontal Solid Line.

Figure.13

19. is a **Drop-down List** with options: [N/A, 1st Candle, 2nd Candle, 3rd Candle, 4th Candle … 71st Candle, 72nd Candle], default option: [10th Candle].

This is one of the conditions that must be fulfilled before open any positions.

You will have a better understanding by using Figures for illustration:

For Example, in **Figure.14 & 15**,

Setting: A.1 : [Long], 18. : [0.5], 19. : [10th Candle]

In **Figure.14**, the candle which contained the Lowest Low of the swing (the <mark>**Yellow Horizontal Dash Line**</mark>) count as *1st*, then the next candle is count as 2nd, then the next is 3rd, then 4th, 5th, 6th, 7th. The last count of the candle you can see in **Figure.14** is only 7th. As specified in 19. , the position(s) are only allowed to be opened only at or after the [10th Candle]. Therefore, even the current candle touched the **Fibonacci Entry Level**, no position(s) has been opened.

Figure.14

Figure.14 is followed by Figure.15. In **Figure.15** as you can see that the current candle is count as 31st which is over the minimum [10th count] requirement from 19. So, this time when the price touched the **Fibonacci Entry Level** (3806.5), the position(s) have been opened instantly from the Market.

Figure.15

20. is a **Drop-down List** with options: [Yes, No], default option: [Yes].

Restriction form 19. can be ignored if the condition here in 20. is fulfilled.

After the <mark>Yellow Horizontal Dash Line</mark> (**Fibonacci Level 0**) is settled down, if one of the coming up candle's whole body stays over and doesn't touch the **Fibonacci Entry Level**, then 19. can be ignored.

You will have a better picture by understanding the Figures for illustration below:

For Example, in **Figure.16**,

Settings: A.1: [Long], 18.: [0.5], 19.: [12th Candle]

In **Figure.16,** as you can see that the 6th Candle (pointed by the **Red Arrow**), it touched the **Fibonacci Entry Level**, however, due to the restriction of 19., the position(s) are not allowed to be opened.

For the 7th Candle (pointed by the <mark>Yellow Arrow</mark>), as its whole body is over and off the **Fibonacci Entry Level**, the restriction of 19. is revoked.

For the 11th Candle (pointed by the **Green Arrow**), it touched the **Fibonacci Entry Level** again, although it is only the 11th Candle not 12th. As the restriction of 19. was already revoked due to 20., the position(s) were opened instantly from the Market when the price touched the **Fibonacci Entry Level** (3345.88).

This special condition 20. is only applicable when the Estimate Lost in A.5 / B.5 is less than 3%.

Moreover, if you selected option "No" in 20., then the condition above will not be activated.

Figure.16

21. is a **Drop-down List** with options: [Yes, No], default option: [Yes].

This condition must be fulfilled before open any positions.

Assumed that you selected option [Yes] in 21., once the candle touches the **Fibonacci Entry Level**, you have to ask a question before open any position(s): Is the previous entire candle (*including body and wick)* is under the **Fibonacci Entry Level** when the Direction is **Long**, or over the **Fibonacci Entry Level** when the Direction is **Short** in A.1 / B.1? If yes, then the position(s) are allowed to open; If no, then no position is allowed to be opened.

If you selected option "No" in 21., then the restriction above will not be activated.

You will have a better picture by understanding the Figures for illustration below:

In **Figure.17**,

Settings: 19.: [10th Candle], 21.: [Yes]

1. For the Candle which is pointed by the <mark>Yellow Arrow</mark>, even it touched the **Fibonacci Entry Level (<mark>Yellow Solid Line</mark>**), no position(s) were allowed to be opened as it is only the 9th Candle.

2. For the Candle which is pointed by the **Red Arrow**, even it is the 10th Candle and touched the **Fibonacci Entry Level**, as the previous entire Candle (pointed by the <mark>Yellow Arrow</mark>) is not under the **Fibonacci Entry Level**, no position(s) were allowed to be opened.

3. For the Candle which is pointed by the **Blue Arrow**, no position(s) were allowed to be opened as the exactly same situation in the **Red Arrow** pointed Candle was encountered here as well.

4. For the Candle which is pointed by the **Green Arrow**, open the buy position(s) immediately when the price touched the **Fibonacci Entry Level**, as its previous entire Candle is under the **Fibonacci Entry Level**, fulfilled the 21. open position(s) requirement.

Figure.17

22. is a **Drop-down List** with options: [Fib 1.0, Fib 1.0 +/- 0.25 ATR, Fib 1.0 +/- 0.5 ATR, Fib 1.0 +/- 1.0 ATR], default option: [Fib 0 +/- 1.0 ATR]

Once the Price touches the position selected in 22., all the running procedures will be cancelled only if there are still no position(s) are opened:

For example, in **Figure.18**,

Settings: 22.: [Fib 1.0 +/- 1.0 ATR"], 21.: [Yes], 19.: [10ᵗʰ Candle], A.1.: [Long]

As [Fib 1.0 +/- 1.0 ATR] is chosen in 22., the running procedures would be cancelled if the price touches the **Pink Horizontal Dash Line**. The position(s) opened at the **Green Arrow** pointed Candle as the last candle (**Blue Arrow** pointed Candle) fulfilled 21.. Meanwhile, 22. became invalid as position(s) were already opened.

Figure.18

For another example, in **Figure.19**,

Settings: 22. : [Fib 1.0 +/- 1.0 ATR"], 21. : [Yes], 19. : [10th Candle], A.1. : [Long]

As [Fib 1.0 +/- 1.0 ATR] is chosen in **22.**, the running procedures would be cancelled if the price touches the **Pink Horizontal Dash Line**. The **Red Arrow** pointed Candle touched the **Pink Horizontal Dash Line**, and no positioned are holding at the same time. Therefore, result in stopping all running procedures, same function as Pressing the Emergency Stop Button in A.8 .

Figure.19

Once the Position(s) are opened, 23. *to* 25. *are triggered.*

23.   is a **Drop-down List** with options: [Fib 0, Fib 0 +/- 0.5 ATR, Fib 0 +/- 1.0 ATR, Fib 0 +/- 1.5 ATR, Fib 0 +/- 2.0 ATR, Fib 0 +/- 2.5 ATR, Fib 0 +/- 3.0 ATR], default option: [Fib 0 +/- 1.0 ATR].

This is the **Initial Stop** for the opened position(s). If you choose [Fib 0], then your initial stop will be at the Yellow Horizontal Dash Line (Fibonacci Level 0);

Or if you choose [Fib 0 +/- 1.0 ATR],

For Long Position, the initial stop will be at the Yellow Horizontal Dash Line (Fibonacci Level 0) - 1.0 ATR;

For Short Position, the initial stop will be at the Yellow Horizontal Dash Line (Fibonacci Level 0) + 1.0 ATR.

Be reminded that the **Initial Stop** is the maximum tolerance, in whatever situation with whatever reasons, the position(s) must be closed when the price touches it. This is the *1st priority rule* amongst all the *stop loss related rules!*

For example, in **Figure.20**,

Settings: 23. : [Fib 0 +/- 1.0 ATR], 19. : [10th Candle], 18. : [0.5], A.1 : [Long].

With the setting in 23. , the initial stop is the **Purple Horizontal Dash Line**.

At the **Green Arrow** pointed Candle, the Long Position(s) opened when it touched the **Fibonacci Entry Level 0.5**.

Then at the **Red Arrow** pointed Candle, the Position(s) were closed immediately when it touched the **Purple Horizontal Dash Line**.

Figure.20

24.   is 2 **Input Areas** which integers are allowed to input, left default value: [48], right default value: [108].

This is a Trailing Stop System – **Pivot Point High Low Stop**, the Script is attached together with this instruction in zip file.

The Left Box's **Pivot Point High Low Stop** is applicable if the **Estimated Loss** in A.5 / B.5 < 3%, and the Right Box's **Pivot Point High Low Stop** is applicable if the **Estimated Loss** in A.5 / B.5 is >= 3%. The **Pivot Point High Low Stop** will only be activated only if *its* **Pivot Point *High Line*** or ***Low Line*** (depends on you are having Short Position(s) or Long Position(s)) <u>starts to update</u> *at or after* the moment that the position is opened.

Moreover, inputting [48] in the 24. box area means the **Pivot Point High Low Stop**'s *High Left / Right Bar Number* and *Low Left / Right Bar Number* are also inputted as 48 (**Figure.A1**):

Figure A.1

Also, a buffer zone of *1.0 ATR with* 12. *determined Length Period* is considered as well.

You will have a better picture by understanding the Figures for illustration below:

In **Figure.21-24**,

Settings: 24.: [48][108], 23.: [Fib 0 +/- 1.0 ATR], 19.: [10th Candle], 18.: [0.5], 12.: [50], A.1: [Short].

As the **Estimated Loss** < 3%, The **Left Box period** of [48] is adopted for the **Pivot Point High Low Stop**'s *High Left / Right Bar Number* and *Low Left / Right Bar Number*.
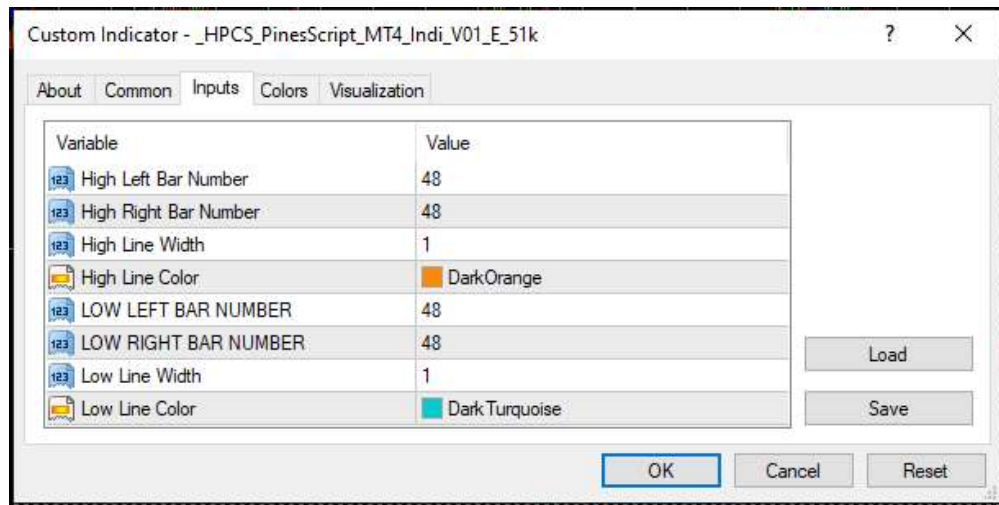
1. **In Figure.21**, Short position(s) were opened at the **Green Arrow** pointed Candle when it touched the **Fibonacci Entry Level 0.5**.

Figure.21

2. **In Figure.22**, you can see that the Orange Step Line is the **Pivot Point High Line**, the Orange Step Line was updated as indicated by the Orange Arrow, then the **Pivot Point High Low Stop** is starting valid. Including the buffer zone of *1.0 ATR*, the Purple Horizontal Dash Line is the **Pivot Point High Low Actual Stop** which level is identical with **Initial Stop** in 23.

Figure.22

3. **In Figure.23**, the Orange Step Line was updated again as indicated by the Orange Arrow, then the **Pivot Point High Low Stop** including the buffer zone of *1.0 ATR* is updated as the Red Horizontal Dash Line.

4. **In Figure.24**, the position(s) were closed immediately when it touched the Red Horizontal Dash Line (indicated by the Red Arrow).

Figure.23

Figure.24

in **Figure.25**,

Settings: 24. : [48], 23. : [Fib 0 +/- 1.0 ATR], 19. : [10th Candle], 18. : [0.5], 12. : [50], A.1. : [Long].

1.   **In Figure.25**, Long position(s) were opened at the Green Arrow pointed Candle when it touched the **Fibonacci Entry Level 0.5**.

2.   **In Figure.25**, you can see that the **Tiffany Blue Step Line** is the **Pivot Point Low Line**, the **Tiffany Blue Step Line** was updated as indicated by the **Red Arrow**, then the **Pivot Point High Low Stop** is starting valid. Including the buffer zone of *1.0 ATR*, the **Red Horizontal Dash Line** is the **Pivot Point High Low Actual Stop**.

   However, the **Initial Stop** (**Purple Horizontal Dash Line**) in 23. is closer to the current price level compare to the **Pivot Point High Low Stop** (**Red Horizontal Dash Line**). As mentioned in 23. , the **Initial Stop** is the maximum tolerance of stop loss, therefore the stop loss level was still kept as the **Purple Horizontal Dash Line** level.

Figure.25

25.   is a Drop-down List with options: [Fib 0.5, Fib 0.618, Fib 0.786, Fib 1, Fib 1.236, Fib 1.382, Fib 1.5, Fib 1.618, Fib 1.786, Fib 2], default option: [Fib 1]

If the condition in 25. is fulfilled, then the **Stop Profit** in 26. & 27. will be triggered.

If you select [1], then if the price touches **Fibonacci Level 1**, the Stop Profit in 26. and 27. are triggered.

26.   is a Drop-down List with options: [Yes, No], default option: [Yes]

This is a Stop Profit System. After 25. is triggered and the option in 26. is [Yes]:

For holding **Long** Position(s), if a **Bearish Candle** which is closed under the **Fibonacci Level** selected in Box 25. is observed, close the position(s) immediately.

For holding **Short** Position(s), if a **Bullish Candle** which is closed over the **Fibonacci Level** selected in Box 25. is observed, close the position(s) immediately.

You will have a better picture by understanding the Figures for illustration below:

In **Figure.26**:

Settings: 26.: [Yes], 25.: [Fib 1], 18.: [0.5], A.1: [Long].

For example,

1. Long position(s) are opened when the price touched **Fibonacci Entry Level 0.5**. (**Green Arrow**)

2. As 25. (Touching **Fibonacci Level 1**) is fulfilled, Stop Profit Systems in 26. & 27. are triggered. (==**Yellow Arrow**==)

3. As the **Bearish Candle** closed under the **Fibonacci Level 1** (selected in 25.), closed the position(s) immediately. (**Red Arrow**)

Figure.26

27. is a Drop-down List with options: [1.0 ATR, 2.0 ATR, 3.0 ATR, 4.0 ATR], default option: [1.0 ATR]

This is a Trailing Stop System - **Chande Kroll Stop**.

If you selected 2.0 ATR from the Box, then *Kv* Value in **Figure.A** from 13. is 2.0.

There are 2 lines in the **Chande Kroll Stop**, one is **Blue Line** (For Long), another one is **Orange Line** (For Short).

For holding Long Positions, if the Candle close under the **Blue Step Line**, close the position(s) immediately.

For holding Short Positions, if the Candle close over the **Orange Step Line**, close the position(s) immediately.

You will have a better picture by understanding the Figures for illustration below:

For Example, In **Figure.27**:

Settings: 27.: [2.0 ATR], 25.: [Fib 1], 18.: [0.5], A.1: [Long].

1. Long position(s) are opened when the price touched **Fibonacci Entry Level 0.5**. (**Green Arrow**)

2. As 25. (Touching **Fibonacci Level 1**) is fulfilled, Stop Profit Systems in 26. & 27. are triggered. (**Yellow Arrow**)

3. As the Candle is closed under the **Blue Step Line**, closed the position(s) immediately. (**Red Arrow**)

Figure.27

28. is a Drop-down List with options: [N/A, CMF, EMA, Combined], default option: [Combined]

    a.   If [CMF] is selected, then the **CMF System** is activated.

    b.   If [EMA] is selected, then the **EMA System** is activated.

           Here is the **Alert Indicator** Logic and draft script for **EMA System**:

Length_ = input(600, minval=1)

Offset_ = input(600, minval=0)

EMA = ema(close, **Length_**)

EMA_C = close >= EMA[**Offset_**] ? 1 : 0

EMA_p1 = ((EMA_C [0] + EMA_C [1] + EMA_C [2] + EMA_C [3] + EMA_C [4] + EMA_C [5] + EMA_C [6] + EMA_C [7] + EMA_C [8] + EMA_C [9] + EMA_C [10] + EMA_C [11]*1.5) / 12)

EMA_p2 = ((EMA_C [0] + EMA_C [1] + EMA_C [2] + EMA_C [3] + EMA_C [4] + EMA_C [5] + EMA_C [6] + EMA_C [7] + EMA_C [8] + EMA_C [9] + EMA_C [10] + EMA_C [11] + EMA_C [12] + EMA_C [13] + EMA_C [14] + EMA_C [15] + EMA_C [16] + EMA_C [17] + EMA_C [18] + EMA_C [19] + EMA_C [20] + EMA_C [21] + EMA_C [22] + EMA_C [23]*1.5) / 24)

EMA_p3 = ((EMA_C [0] + EMA_C [1] + EMA_C [2] + EMA_C [3] + EMA_C [4] + EMA_C [5] + EMA_C [6] + EMA_C [7] + EMA_C [8] + EMA_C [9] + EMA_C [10] + EMA_C [11] + EMA_C [12] + EMA_C [13] + EMA_C [14] + EMA_C [15] + EMA_C [16] + EMA_C [17] + EMA_C [18] + EMA_C [19] + EMA_C [20] + EMA_C [21] + EMA_C [22] + EMA_C [23] + EMA_C [24] + EMA_C [25] + EMA_C [26] + EMA_C [27] + EMA_C [28] + EMA_C [29] + EMA_C [30] + EMA_C [31] + EMA_C [32] + EMA_C [33] + EMA_C [34] + EMA_C [35]*1.5) / 36)

EMAb = EMA_p3 > 0.75 ? 3 : (EMA_p2 > 0.75 ? 2 : (EMA_p1 > 0.75 ? 1 : (EMA_p3 < 0.25 ? -3 : (EMA_p2 < 0.25 ? -2 : (EMA_p1 < 0.25 ? -1 : 0)))))

colorB = EMAb > 0 ? color.lime : EMAb < 0 ? color.red : color.black

plot(EMAb, color=colorB, title="Long")

By following the Logic and Script above, the **Alert Indicator** for **EMA System** is plotted as below:

Figure.B

c.   If [Combined] is selected, then the **Combined System** is activated

For the **Combined System**,

At normal situation, the **CMF System** (The **Alert Indicator** based on **CMF System**) is adopted, but when all-time high appears, the **EMA System** (The **Alert Indicator** based on **EMA System**) is adopted and replaced the **CMF System**, until the **Alert Indicator** based on **EMA System** = -3, then the **CMF System** will be adopted again.

For example, in **Figure.27A**,

Initially, under the **Combined System**, the **Alert Indicator** was based on **CMF System**. The **Blue Shaded Areas** represent the candles which were experiencing All-Time-High. The **Green Arrow** indicated the 1st time appearance of the All-Time-High, therefore, the source of the **Alert Indicator** was instantly changed from **CMF System** to **EMA System**. After a while, the **EMA System based Alert Indicator** touched -3 (**Yellow Arrow**), therefore, the source of the **Alert Indicator** was instantly changed back from **EMA System** to **CMF System**.

Remember that a **Blue Shaded Area** should be highlighted at the All-Time-High Candles as demonstrated in **Figure.27A.**

Figure.27A

      d.   If [N/A] is selected, then no system and **Alert Indicator** are activated and plotted.

28.1   Is an Input Area for defining the period of **EMA System** of Alert Indicator in 28. (**Length_**). Default Value: [600]

28.2   Is an Input Area for defining the offset of **EMA System** of Alert Indicator in 28. (**Offset_**). Default Value: [120]

29.   is an Input Area for Email Address for **Alert Indicator.**

30.   is an Input Area for the Password of 29.'s Email Account.

For the **CMF System** based **Alert Indicator**, the **Alert Indicator** is plotted base on the signal received from *Gmail Account*, depends on which time-frame you want to trade. For example, if the time-frame is 5 minutes, with the *Gmail Account* signals which will be received in every 5 minutes (**Figure.C**), you will able to plot the indicator out.

The Body of the Email contains one of the massages below:

    CMF+1

    CMF+2

    CMF+3

    CMF-1

    CMF-2

    CMF-3

Figure.C

If massage is:

- "CMF+1", then plot at 1

- "CMF+2", then plot at 2

- "CMF+3", then plot at 3

- "CMF-1", then plot at -1

- "CMF-2", then plot at -2

- "CMF-3", then plot at -3

Moreover, if no email is received for every *first 30 Seconds* of each time step, then the **Alert Indicator** will be atomically plotted the same as the previous value. ***Therefore, the maximum <u>Delay of Action</u> due to CMF System is 30 Seconds.***

For example, the time-frame is 5 minutes, the massages I received from 15:50 to 16:50 are:

15:50: [CMF+3],

15:55: No Email Received within 30 Sec.,

16:00: [CMF-1],

16:05: [CMF-1],

16:10: [CMF-1],

16:15: [CMF-1],

16:20: [CMF-1],

16:25: [CMF-1],

16:30: No Email Received within 30 Sec.,

16:35: No Email Received within 30 Sec.,

16:40: No Email Received within 30 Sec.,

16:45: [CMF-2]

Therefore, the **Alert Indicator** is plotted as below:

Figure.D

31. Is a Drop-down List with options: [N/A, Pivot (4), Pivot (8), Pivot (12), Pivot (16), Pivot (20), Pivot (24), ChK (1.0), ChK (2.0), ChK (3.0), ChK (4.0), Stop if </> FEL, Stop], default option: [ChK (4.0)]

For holding **Long** Position(s), if **Alert Indicator** is *-1*, the selected stop in 31. will be activated.

For holding **Short** Position(s), if **Alert Indicator** is *+1*, the selected stop in 31. will be activated.

32. Is a Drop-down List with options for both Left and Right Box: [N/A, Pivot (4), Pivot (8), Pivot (12), Pivot (16), Pivot (20), Pivot (24), ChK (1.0), ChK (2.0), ChK (3.0), ChK (4.0), Stop if </> FEL, Stop], default option: [Pivot (12)] [Pivot (24)]

For holding **Long** Position(s), if **Alert Indicator** is *-2*, the selected stop in 31. & 32. will be activated simultaneously. Moreover, if A.5 / B.5 < 3%, then the Left Box's Stop Loss is adopted when CMF Indicator = -2, if A.5 / B.5 >= 3%, then the Right Box's Stop Loss is adopted when CMF Indicator = -2.

For holding **Short** Position(s), if **Alert Indicator** is *+2*, the selected stop in 31. & 32. will be activated simultaneously.
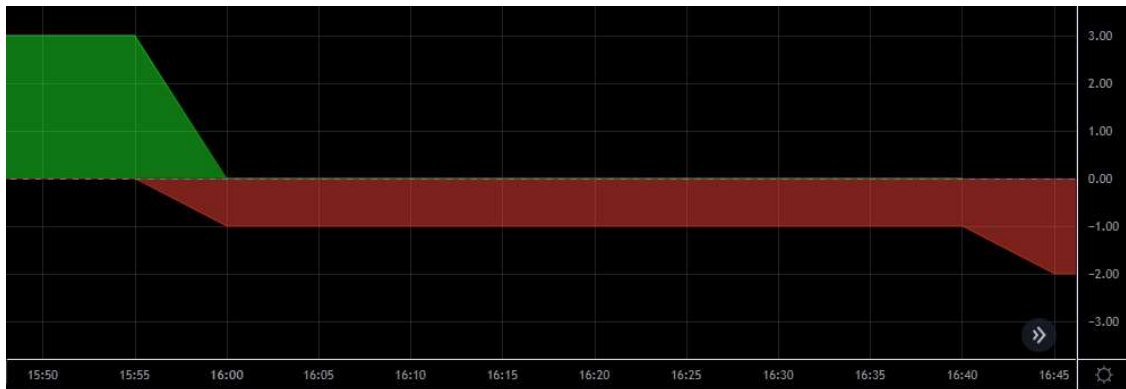
33. Is a Drop-down List with options: [N/A, Pivot (4), Pivot (8), Pivot (12), Pivot (16), Pivot (20), Pivot (24), ChK (1.0), ChK (2.0), ChK (3.0), ChK (4.0), Stop if </> FEL, Stop], default option: [ChK (4.0)]

For holding **Long** Position(s), if **Alert Indicator** is *-3*, the selected stop in 31., 32. & 33. will be activated simultaneously.

For holding **Short** Position(s), if **Alert Indicator** is *+3*, the selected stop in 31., 32. & 33. will be activated simultaneously.

The options for 31. to 33. are explained as below:

1. *N/A*: No Action

2. *Pivot (4), Pivot (8), Pivot (12), Pivot (16), Pivot (20), Pivot (24)*: **Pivot Point High Low Stop** with it' ***High Left / Right Bar Number*** and ***Low Left / Right Bar Number*** in Figure.A1 of 24.,

   For example, if *Pivot (12)* is chosen, then the **Pivot Point High Low Stop** is applied with **Pivot Point High Low Stop** with it' ***High Left / Right Bar Number*** and ***Low Left / Right Bar Number*** in **Figure.A1** of 24. are also 12.

   Here's a bit different from 24.. In 24., they have a buffer zone of ATR. Here, we don't have any buffer zone, which means the position(s) will be closed instantly if the price touched the original **Pivot Point High / Low Line**.

   For example,

   For holding Long Positions, if the Candle *touches* the **Green Step Line (Low Line)**, close the position(s) immediately.

   For holding Short Positions, if the Candle *touches* the **Red Step Line (High Line)**, close the position(s) immediately.

3. *ChK (1.0), ChK (2.0), ChK (3.0), ChK (4.0)*: **Chande Kroll Stop** with its *Kv* Value.

   For example, if *ChK (4.0)* is chosen, then the **Chande Kroll Stop** is applied with *Kv* Value = 4.0 in **Figure.A** of 13..

Here, same as 27.,

For holding Long Positions, if the Candle **closed** under the **Blue Step Line (Low Line)**, close the position(s) immediately.

For holding Short Positions, if the Candle **closed** over the **Orange Step Line (High Line)**, close the position(s) immediately.

4. *Stop if </> FEL*:

For Long Position(s), if the price is under the **Fibonacci Entry Level** (Defined in 18.), stop the position(s) immediately;

For Short Position(s), if the price is over the **Fibonacci Entry Level** (Defined in 18.), stop the position(s) immediately.

5. *Stop*: Stop immediately.

You will have a better picture by understanding the Figures for illustration below:

In **Figure.28-31**

Settings: 31.: [ChK (4.0)], 32.: [Pivot (12)] [Pivot (24)], 33.: [Stop if </> FEL], 28.: [CMF], 18.: [0.5], A.1: [Short].

For example, in **Figure.28**, assume A.5 < 3%:

1. In **Figure.28**, Short position(s) are opened when the price touched **Fibonacci Entry Level 0.5**. (**Green Arrow**)

2. In **Figure.29**, As **Alert Indicator** = *+1*, 31. is triggered (**Orange Arrow**), Stop Profit System in 31. Chande Kroll Stop with Kv = 4.0 is activated (Stop Loss: **Orange Solid Step Line**).

3. In **Figure.30**, As **Alert Indicator** = *+2*, 32. is triggered (**Orange Arrow**), Stop Profit System in 31. Chande Kroll Stop with Kv = 4.0 (Stop Lost: **Orange Solid Step Line**) and 32. **Pivot Point High Low Stop** with *High Left / Right Bar Number* and *Low Left / Right Bar Number* in **Figure.A1** of 24. are also 12 (Stop Loss: The Red Solid Step Line) are activated.

4. In **Figure.31**, As **Alert Indicator** = *+3*, 33. is triggered (**Orange Arrow**), Stop Profit System in 31. Chande Kroll Stop with Kv = 4.0 (Stop Lost: **Orange Solid Step Line**), 32. **Pivot Point High Low Stop** with *High Left / Right Bar Number* and *Low Left / Right Bar Number* in **Figure.A1** of 24. are also 12 (Stop Loss: The Red Solid Step Line) and 33. (if the price is over the **Fibonacci Entry Level**, stop the position(s) immediately) are activated.

Now the current **Alert Indicator** = *+3*, and the Price is over the **Fibonacci Entry Level** (33.), so close all the position(s) in Part A .

Figure.28

Figure.29

Figure.30

Figure.31

Special Case you may encounter:

33.1 For having a Long Setup, you can still open Long Position(s) when the price reaches the **Fibonacci Entry Level** even the **Alert Indicator** is already changed to *-1* or *-2*.

However, Long Position(s) are never allowed to be opened if **Alert Indicator = -3**.

For having a Short Setup, you can still open Short Position(s) when the price reaches the **Fibonacci Entry Level** even the **Alert Indicator** is already changed to *+1* or *+2*.

However, Short Position(s) are never allowed to be opened if **Alert Indicator = +3**.

For example, in **Figure.32**,

Even the price reached the **Fibonacci Entry Level** (Red Level), as **Alert Indicator = +3** (Green Arrow), Short Position(s) were not allowed to be opened.

Figure.32

33.2   For having a Long Setup, Even the price reaches the **Fibonacci Entry Level** and **Alert Indicator** is *-1* or *-2*, if the level you that will long is touching or under the **Alert Indicator's Stop Lost Level**, the position(s) will not be opened.

For having a Short Setup, Even the price reaches the **Fibonacci Entry Level** and **Alert Indicator** is *+1* or *+2*, if the level you that will short is touching or over the **Alert Indicator's Stop Lost Level**, the position(s) will not be opened as well.

33.3   In a situation, all requirements are fulfilled, but the position(s) still cannot be open only due to 33.1 (**Alert Indicator** = +/-3). If this happens, after that if the 33.1 is not valid anymore (**Alert Indicator** backs to +/-1, +/-2), rule 21. is ignored until the position in this setup is opened or the setup is cancelled.

For example, in **Figure.33**,

1. No position(s) were opened when the price firstly touched the **Fibonacci Entry Level** due to the restriction of 33.1 only (**Alert Indicator** =-3 with Long Setup is not allowed to open any position(s)). (**Red Arrow**)

2. Then **Alert Indicator** changed from -3 to +1 (Yellow Arrow), so the 33.1 is invalid.

3. As the 33.1 was invalid, the 21. can be ignored (33.3). Therefore, when the **Fibonacci Entry Level** were being touched, Long Position(s) were opened (**Green Arrow**).

Figure.33

34. Is an **Input Area**, able to input a percentage from 0 to 100%, default value: [50%]

This is a Setup Filter, to distinguish which setup is acceptable for potential trading, which is not.

If [50%] is selected in 34.:

For Long Setup, acceptable setup must fulfill the condition below:

Accept. Proportion =

(No. of +ve **Alert Indicator** of Candle in Swing / Total No. of Candles in Swing) > = [50%]

Otherwise, it is unacceptable and no position(s) are allowed to be opened.

For Short Setup, acceptable setup must fulfill the condition below:

Accept. Proportion =

(No. of -ve **Alert Indicator** of Candle in Swing / Total No. of Candles in Swing) > = [50%]

Otherwise, it is unacceptable and no position(s) are allowed to be opened.

For example, with [50%] selected in 34., a Swing with Long Setup can be seen in **Figure.33**, The **Accept. Proportion** = 23 / (23 + 8) = 74.19% > 50% which is acceptable.

As the price didn't hit the Fibonacci Entry Level and the **Lowest Low** of Swing was still updating (A.3). Now we are here in **Figure.34**, the latest **Accept. Proportion** = 23 / (23 + 24) = 48.94% < 50% which is unacceptable. Therefore, no positions are allowed to be opened unless the **Accept. Proportion** is back to 50% again.

Figure.34

Figure.35

35.   Is a **Drop-box List** with options: [Provider, Receiver], default option: [Provider]

36.   Is an **Input Area** for Email Address input.

This is a system which allows me to trade in multi-MT4 Accounts, with one **Signal Provider**, and many **Signal Receivers**.

In 35. ,

once you selected Provider, then this account will be **Signal Provider**, and the signals will send to 36. 's email address.

once you selected **Receiver**, then this account will be **Signal Receiver**, and the signals will receive from 36.'s email account.

For Part A:

Once you press A.7 Send[A] Button in the **Signal Provider** account, all Settings for A.1, A.3, A.4, 12. – 36. (Not including 10. & 11.) will be sent instantly to the Email Address in 26., then the **Signal Receiver** accounts will read the signals from the Email Account. After the **Signal Receiver** accounts automatically fill-in A.1, A.3 & A.4, 12. – 36. Boxes, the A.7 Sand[A] Button will be automatically pressed in order to start the procedure same as the **Signal Provider**.

Once you press A.8 Stop[A] Button in the **Signal Provider** account, all running procedures and holding position(s) (if you are holding) are all instantly stopped and closed in **Signal Provider**, and also this command will send to the email address instantly, the **Signal Receiver** accounts will read the stop signal from the email account instantly, then press A.8 Stop[A] as well in all **Signal Receiver** accounts, stop and close all the procedures and position(s) automictically same as the **Signal Provider**.

For Part B:

Once you press B.7 Send[B] Button in the **Signal Provider** account, all Settings for B.1, B.3, B.4, 12. – 36. (Not including 10. & 11.) will be sent instantly to the Email Address in 26., then the **Signal Receiver** accounts will read the signals from the Email Account. After the **Signal Receiver** accounts automatically fill-in B.1, B.3 & B.4 ,12. – 36. Boxes, the B.7 Sand[B] Button will be automatically pressed in order to start the procedure same as the **Signal Provider**.

Once you press B.8 Stop[B] Button in the **Signal Provider** account, all running procedures and holding position(s) (if you are holding) are all instantly stopped and closed in **Signal Provider**, and also this command will send to the email address instantly, the **Signal Receiver** accounts will read the stop signal from the email account instantly, then press B.8 Stop[B] as well in all **Signal Receiver** accounts, stop and close all the procedures and position(s) automictically same as the **Signal Provider**.

37. Is a **Button**, if you press it, 10. to 36. will unable to change. If you press again, then you will be allowed to change the values and options from 10. to 36. again.

v. At the **Part of Settings**, you can find the Light Bulbs next to 14., 16., 19. to 21., 24., 25., 31. to 34..

When the conditions of them are fulfilled or triggered, the relevant Light Bulbs will be turned on.

vi. Now, Let's *Put It All Together*.

1) When the EA is initially run, the chart is shown as **Figure.36-37**,

First, you can see the trading panel at the Top Left Corner of the whole chart,

Figure.36 shows the interface when the **Part of Settings** (10. – 37.) is hidden.

Figure.37 shows the interface when the **Part of Settings** (10. – 37.) is expanded.

Below the candlesticks:

the 1st indicator on top is **Alert Indicator** based on **CMF System**,

the 2nd indicator at middle is **Alert Indicator** based on **EMA System**,

the 3rd indicator at bottom is **[] x ATR** with the period length determined in 12., [] is determined in 14.

Each indicator value is indicated at each Top Left Corner.

Figure.36

Figure.37

2) Now I will demonstrate some trades to let you know how it works:

Trade 1:

a. *Balance: $10,000*

b. *Settings:*

10	Max. Lots / Position	20		11	Leverage 1:	10	
12	ATR Period	50		13	Chande ATR Period	24	
14	Min. Swing Height	4.0 ATR	○	15	Max. Est. Lost (%)	6	
16	If End Holding >	9 Candles	○	17	, update only if >	Fib 0 +/- 1.0 ATR	
18	Fib. Entry Level	0.5		23	Initial Stop Loss	Fib 0 +/- 1.0 ATR	
19	Enter at or after the	10th Candle	○	24	Pivot SL (<3%/>3%)	48 108	○
20	Can ignore 19. If TAB(<3%)	Yes	○	25	Stop Profit Trig. Lv.	Fib 1	○
21	AFE before Entry	Yes	○	26	Stop if RC. C.<Fib at 25.	Yes	
22	Cancel if touching	Fib 1.0 +/- 1.0 ATR		27	Stop Profit Chande Kroll	2.0 ATR	
28	Use which System?	EMA		29	CMF Signal Rec Email	Email Address	
28.1	EMA System Period	600		30	CMF Email Passowrd	Password	
28.2	EMA Sys Off-set Period	120					
31	1st Alert	ChK (4.0)	○	35	Trading Signal	Provider / Receiver	
32	2nd Alert (<3%/>3%)	Pivot (12) Pivot (24)	○	36	Signal Prv. to / Rec. from	Email Address	
33	3rd Alert	Stop if </> FEL	○				
34	Swing Accept Proportion	50%	○	37	Setting Lock	Lock	

c. *Current Chart:*

1) Direction, time and date are inputted in Part A as shown below:

A					LONG		
A.1	Direction	Long		A.2	Invest in $ / Lots	100,000	
A.3	Starting Top	03:20	17/10		A.5 Est. Loss		
A.4	Starting Bot				A.6 ASH/RSH		
A.7	Confirm Order	Send [A]		A.8 Emergency Stop	Stop [A]	A.9	Status: Inactive

A.2 Left Box: 10,000 (Balance) * 10 (Leverage) = 100,000

2) Then the **Green Vertical Dash Line (Starting Reference Point)**, **Fibonacci Levels with shaded areas**, **Blue Horizontal Dash Line (Fibonacci Level 1)**, **Yellow Horizontal Dash Line (Fibonacci Level 0)** and **Purple Horizontal Dash Line (Initial Stop Loss)** are plotted as below:

3) With the information form 2), the Part A displayed the rest information:

A					LONG			
A.1	Direction	Long			A.2	Invest in $ / Lots	100,000	25.64
A.3	Starting Top	03:20	17/10	3925.95		A.5 Est. Loss	0.91%	
A.4	Starting Bot					A.6 ASH/RSH	97%	
A.7	Confirm Order	Send [A]		A.8	Emergency Stop	Stop [A]	A.9	Status: Inactive

A.2 Right Box: 1 lot at Fibonacci Entry Level = 3900.51 (**Yellow Horizontal Solid Line**), 100,000 / 3900.51 = **25.64 Lots**

A.5: | [3900.51 - 3864.94 **(Purple Horizontal Dash Line)**] / 3900.51 | = **0.91%**

A.6: ASH = | 3925.95 **(Blue Horizontal Dash Line)** – 3875.07 (**Yellow Horizontal Dash Line**) | = **50.88**

RSH = Extract from the *latest* value of the 3rd indicator = **52.68**

ASH / RSH = **97%**

4) After that, I pressed A.7 Send [A] Button, the procedures were started to run, then the Status in A.9 changed to "Pending…":

A					LONG			
A.1	Direction	Long			A.2	Invest in $ / Lots	100,000	25.64
A.3	Starting Top	03:20	17/10	3925.95		A.5 Est. Loss	0.91%	
A.4	Starting Bot					A.6 ASH/RSH	97%	
A.7	Confirm Order	Send [A]		A.8	Emergency Stop	Stop [A]	A.9	Status: Pending...

As 34. is fulfilled, the green light next to it was on.

5) After 2 Candles, the RSH is dropped to 47.78, so the latest $\boxed{A.6}$ = **106%**:

Therefore $\boxed{14.}$ is fulfilled, the green light next to it was on.

6) Now, the latest candle was over and off the **Fibonacci Entry Level**:

$\boxed{21.}$ is fulfilled, the green light next to it was on.

7) And now, we've come to the 10th Candle as below:

So, 19. is fulfilled, the green light next to it was on. Also, the Lowest Low didn't update any more, 16. is fulfilled as well, the green light next to it was on.

8) The Whole Candle is below the **Fibonacci Entry Level**:

22. is fulfilled, the green light next to it was on.

9) As the price touched **Fibonacci Entry Level** with all other requirements fulfilled:

Therefore, open position(s) from the market instantly with 2 position(s) 20 Lots, 5.64 Lots (2 separate positions are required due to the maximum Lots per position is 20 form 10.)

Be remined that all the lines plotted in 2) is freeze from now on. Nothing will change them until the positions are closed.

Moreover, the **Pivot High Low Stop Loss** 24. **High Step Line (Orange Step Line)** and **Low Step Line (Blue Step Line)** were plotted on chart (Be careful, they were just demonstrating on chart, the **Pivot High Low Stop Loss** was still not activated:

10) Eventually, the price touched the **Purple Horizontal Dash Line (Initial Stop Loss)**, therefore, closed all the positions from Part A.

Trade 2:

a. *Balance: $10,000*

b. *Settings:*

c. *Current Chart:*

1) Direction, time and date are inputted in Part A as shown below:

A					LONG		
A.1	Direction	Long		A.2	Invest in $ / Lots	100,000	
A.3	Starting Top	03:20	17/10		A.5 Est. Loss		
A.4	Starting Bot				A.6 ASH/RSH		
A.7	Confirm Order	Send [A]		A.8 Emergency Stop	Stop [A]	A.9	Status: Inactive

A.2 Left Box: 10,000 (Balance) * 10 (Leverage) = 100,000

2) Then the **Green Vertical Dash Line (Starting Reference Point)**, **Fibonacci Levels with shaded areas**, **Blue Horizontal Dash Line (Fibonacci Level 1)**, **Yellow Horizontal Dash Line (Fibonacci Level 0)** and **Purple Horizontal Dash Line (Initial Stop Loss)** are plotted as below:

3) With the information form 2), the Part A displayed the rest information:

A						LONG		
A.1	Direction	Long		A.2	Invest in $ / Lots	100,000	25.75	
A.3	Starting Top	03:20	17/10	3925.95	A.5 Est. Loss	1.36%		
A.4	Starting Bot				A.6 ASH/RSH	221%		
A.7	Confirm Order	Send [A]		A.8	Emergency Stop	Stop [A]	A.9 Status:	Inactive

*I will skip the steps which are similar to the previous example **Trade 1**.*

4) Now, after the Lowest Low is holding for more than 9 Candles, 16. Is activated, which means that the lowest low will be updated only if the price touch the level form 17. Based the setting, the Level were the exactly the same between 17. & 23. (Also, the **Purple Horizontal Dash Line**):

5) Here, we can see that now the candle's Lowest Low is lower than the **Purple Horizontal Dash Line** and no position(s) are holding right now:

Therefore, except the **Green Vertical Dash Line** and the **Blue Horizontal Dash Line** were unchanged, all others in 2) were required to updated as below:

As the End in 16. was not holding > 9 Candles any more, the restriction from 17. was lifted up.

6) Moments later, the Lowest Low again was holding for more than 9 Candles, therefore 16. is activated again:

7) Now, the Lowest Low is lower than the ⌐17.⌐ Level (**Purple Horizontal Dash Line**) and no position(s) were holding right at that time,

Therefore, the chat was updated again:

8) And after a while again, the position(s) were finally can be opened as it touched the **Fibonacci Entry Level**:

The displays in Part A were currently shown as:

A					LONG		
A.1	Direction	**Long**		A.2	Invest in $ / Lots	100,000	26.45
A.3	Starting Top	03:20	17/10	3925.95	A.5	Est. Loss	4.18%
A.4	Starting Bot				A.6	ASH/RSH	454%
A.7	Confirm Order	Send [A]		A.8	Emergency Stop	Stop [A]	A.9 Status: Opened

The Long are opened in 2 positions (20 Lots & 6.45 Lots), opened instantly from the market one the price touched the **Fibonacci Entry Level** here.

Meanwhile, the **Pivot High Low Stop Loss** 24. **High Step Line (Orange Step Line)** and **Low Step Line (Blue Step Line)** were plotted on chart (Be careful, they were just demonstrating on chart, the **Pivot High Low Stop Loss** was still not activated), as the **Estimated Loss** > 3% in B.5, the Period used for **Pivot Point High Low Stop Loss** is 108 (24.):

9) And now, you can see the **Low Step Line (Blue Step Line)** is just updated (At **Blue Arrow**), therefore, the **Pivot High Low Stop Loss** was activated. Moreover, again from 24.'s rules and settings above, the actual stop loss for **Pivot High Low Stop Loss** was temporary the same as the **Initial Stop Loss** (**Purple Horizontal Dash Line**).

10) Don't forgot 28. **Combined System** is running, currently using the **Alert Indicator** based on the **CMF System** (The 1st Indicator). And now, the 1st Indicator just changed from +3 to -1:

11) As the 1st Indicator just changed from +3 to -1, 1st Alert is activated, and the red light next to 31. was on. [ChK (4.0)] was selected in 31., so the **Chande Kroll Stop** with 4 ATR is adopted, a finer **High Step Line (Orange Step Line)** and **Low Step Line (Blue Step Line)** for **Chande Kroll Stop** were also plotted on the chart (Be remined that **Low Step Line (Blue Step Line)** is adopted for the Stop Loss of the 1st Alert as the positions are **Long**):

12) After a few candles, now, the current candle closed under the **Low Step Line (Blue Step Line)**. Therefore, closed all the Part A's all positions.

Trade 3:

a. *Balance: $10,000*

b. *Settings:*

10	Max. Lots / Position	20		11	Leverage 1:	10	
12	ATR Period	50		13	Chande ATR Period	24	
14	Min. Swing Height	4.0 ATR	○	15	Max. Est. Lost (%)	6	
16	If End Holding >	9 Candles	○	17	, update only if >	Fib 0 +/- 1.0 ATR	
18	Fib. Entry Level	0.5		23	Initial Stop Loss	Fib 0 +/- 1.0 ATR	
19	Enter at or after the	10th Candle	○	24	Pivot SL (<3%/>3%)	48	108	○
20	Can ignore 19. If TAB(<3%)	Yes	○	25	Stop Profit Trig. Lv.	Fib 1	○
21	AFE before Entry	Yes	○	26	Stop if RC. C.<Fib at 25.	Yes	
22	Cancel if touching	Fib 1.0 +/- 1.0 ATR		27	Stop Profit Chande Kroll	2.0 ATR	
28	Use which System?	EMA		29	CMF Signal Rec Email	Email Address	
28.1	EMA System Period	600		30	CMF Email Passowrd	Password	
28.2	EMA Sys Off-set Period	120					
31	1st Alert	ChK (4.0)	○	35	Trading Signal	Provider / Receiver	
32	2nd Alert (<3%/>3%)	Pivot (12) Pivot (24)	○	36	Signal Prv. to / Rec. from	Email Address	
33	3rd Alert	Stop if </> FEL	○				
34	Swing Accept Proportion	50%	○	37	Setting Lock	Lock	

c. *Current Chart:*

1) Direction, time and date are inputted in Part A as shown below:

A					LONG		
A.1	Direction	Long		A.2	Invest in $ / Lots	100,000	
A.3	Starting Top	03:20	17/10		A.5 Est. Loss		
A.4	Starting Bot				A.6 ASH/RSH		
A.7	Confirm Order	Send [A]		A.8 Emergency Stop	Stop [A]	A.9	Status: Inactive

A.2 Left Box: 10,000 (Balance) * 10 (Leverage) = 100,000

2) Then the **Green Vertical Dash Line (Starting Reference Point)**, **Fibonacci Levels with shaded areas**, **Blue Horizontal Dash Line (Fibonacci Level 1)**, **Yellow Horizontal Dash Line (Fibonacci Level 0)** and **Purple Horizontal Dash Line (Initial Stop Loss)** are plotted as below:

3) With the information form 2), the Part A displayed the rest information:

A					LONG		
A.1	Direction	Long		A.2	Invest in $ / Lots	100,000	26.45
A.3	Starting Top	03:20	17/10	3925.95	A.5 Est. Loss	4.18%	
A.4	Starting Bot				A.6 ASH/RSH	337%	
A.7	Confirm Order	Send [A]		A.8 Emergency Stop	Stop [A]	A.9 Status:	Inactive

4) **28.** **Combined System** is running, currently using the **Alert Indicator** based on the **CMF System** (The 1st Indicator). And now, the 1st Indicator is -1 (**Red Arrow**), which means no Long Position(s) are allowed open, even the price touched the **Fibonacci Entry Level**:

5) Now, the 1st Indicator is +2, and due to the special case of 33.3, the 2 Long Positions with 20 Lots & 6.45 Lots were opened immediately from the market once the price touched the **Fibonacci Entry Level**:

6) And now, as the **Low Step Line (Blue Step Line)** is just updated (At **Blue Arrow**), therefore, the **Pivot High Low Stop Loss** was activated. Moreover, again from 24.'s rules and settings above, the actual stop loss for **Pivot High Low Stop Loss** was temporary the **Red Horizontal Dash Line**.

7) As the **Low Step Line (Blue Step Line)** is just updated again (At **Blue Arrow**), therefore, the actual stop loss for **Pivot High Low Stop Loss Red Horizontal Dash Line** is revised.

8) As the price touched the **Fibonacci Level 1** 25. , then the stop profit method in 26. , 27. is triggered, the **High Step Line (Orange Step Line)** and **Low Step Line (Blue Step Line)** for **Chande Kroll Stop** were plotted on the chart (Be remined that **Low Step Line (Blue Step Line)** is adopted as the positions are **Long**):

9) Finally, the last candle here closed under the **Low Step Line (Blue Step Line)**, therefore, close all the positions in Part A :

That's it! And make sure that I will get the Full source code & ownership. If your have any questions feel free to ask me! Thanks for your effort again and again.