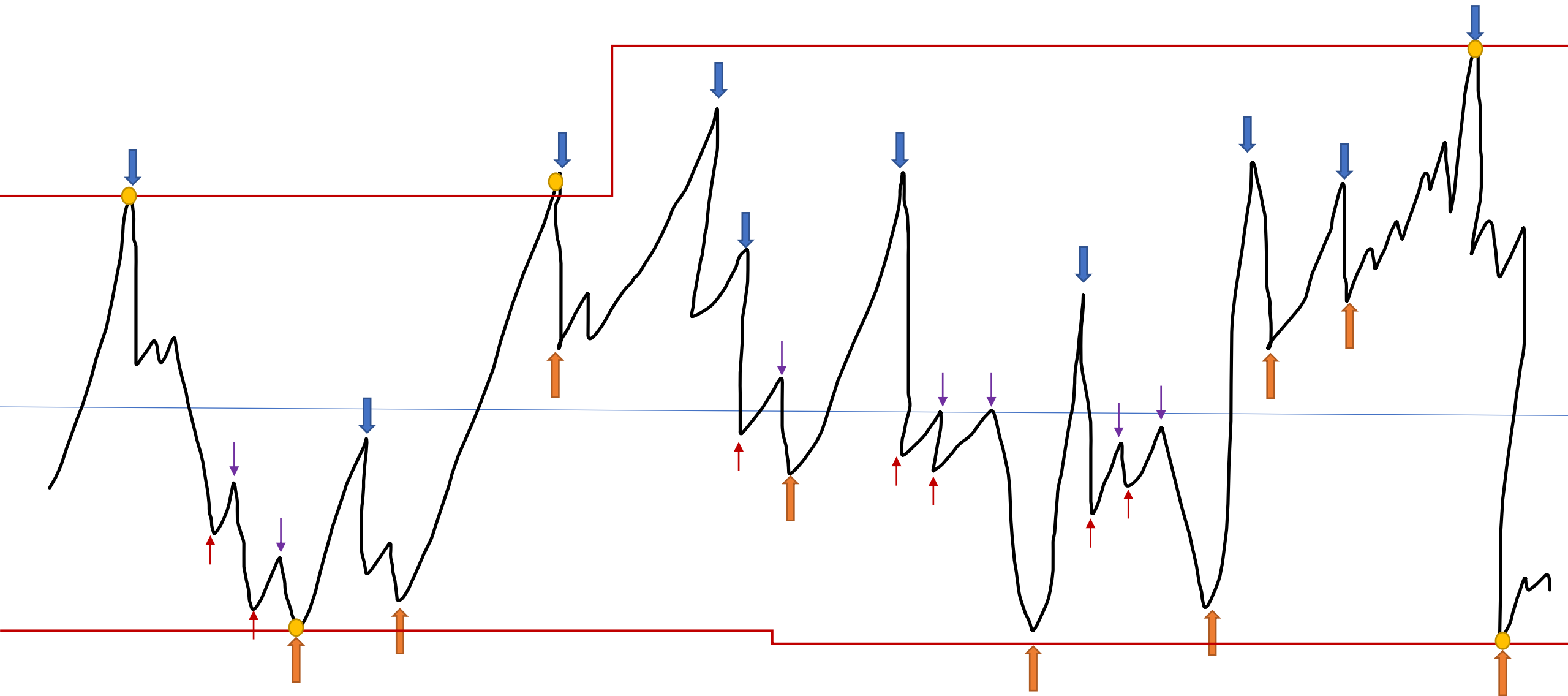


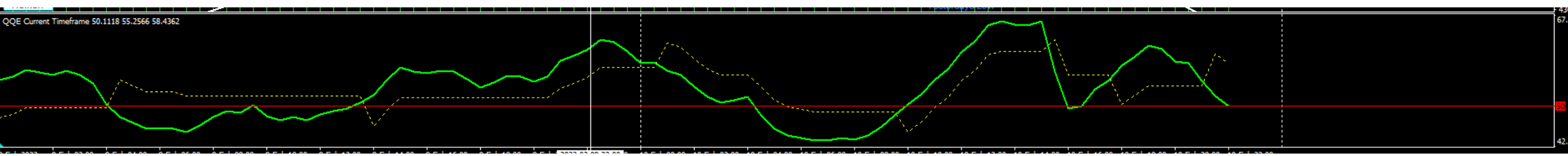
## Schéma



AUDNZD,M30 1.07645 1.07678 1.07584 1.07655


















# Oscillator



# Alert MT4

Alerte ? X

 EMA Cross Trend going Down on BNBUSD 30

	20:30:01	EMA Cross Trend going Down on BNBUSD 30
	20:30:01	EMA Cross Trend going Down on XAUUSD 30
	20:00:01	EMA Cross Trend going Down on ADAUSD 60
	20:00:01	EMA Cross Trend going Down on AUDNZD 30
	19:30:01	EMA Cross Trend going Down on BCHUSD 30
	19:00:01	EMA Cross Trend going Down on LTCUSD 30
	16:14:42	EMA Cross Trend going Up on ADAUSD 60
	16:14:42	EMA Cross Trend going Up on BNBUSD 30
	16:14:42	EMA Cross Trend going Up on XAUUSD 30
	16:14:42	EMA Cross Trend going Up on EURUSD 30
	15:30:01	EMA Cross Trend going Up on LTCUSD 30
	15:30:01	EMA Cross Trend going Up on BTCUSD 30
	14:50:05	EMA Cross Trend going Down on LTCUSD 30
	14:50:05	EMA Cross Trend going Down on BNBUSD 30

OK

# Les process

Project to be realized in test on Binance if possible with easy possibility to adapt it for any Exchange.

## The Goal :

The robot has to go through a list of 12 pairs or more chosen in advance, and for each pair calculate the best signals and oscillator to define the entry and exit point on the market. With a graphical interface to see in real time the different activities of the bot.

- It is necessary to detect the exact alert signal sent by MT4 for each pair, when MT4 detects a bearish or bullish trend or duplicate a function that does the same thing.
- Detect market reversal by detecting the highest or lowest candle on the last xx previous candles (XX parameters to be defined manually).
- Detecting small market trends based on the Fibonacci retracement (represented by small arrows on the diagram)
- Namely, the reversal of the walk works in 2. When a higher or lower point is detected, the system systematically waits for the next higher or lower point that would correspond to an entry and exit. Therefore, each detected point should correspond to another inverse exit point in the market. Also, within a high or low point, there may be several small market reversals waiting to meet the next high or low point.
- Define these 2 signals on the project:
  - EMA-XX and EMA-YY
  - SMA xx and SMA-yy
  - \* xx and yy are numbers between 5 and 300 to be defined manually

# Strategies

The strategy should work at least on the time line M5 to 1D.

Each symbol on the chart has a value to better manage the buy or sell strategy:

each orange trend line at the top and bottom of the chart = 3

each large blue or orange arrow = 4

each orange circle = 2

each small blue or purple arrow = 1

To sell:

If the top point is detected (2 points) the orange circle goes up

If the next candle after the last top is closed in the opposite direction of the market(3)

(or one of the next 6 candles after the last top closes in the opposite direction of the market

and closes at the low of the top candle)

and if the next candle after the top continues in the opposite direction(4),

the arrow goes up to confirm the reversal(5).

if the top candle touches the top trend line(6)

and if the slow Ema crosses the fast Ema down(7) :

If alert indicator detector is as in MT4 (8) :

$total1 = 2 + 3 + 4 + 5$

$total2 = total1 + 6$  (trend line touched)

$total3 = total1 + 7$  (if Ema is crossed)

$total4 = total2 + 7$  (if Ema is crossed)

$total5 = total1 + 8$  (if As MT4)

$total6 = total2 + 8$  (if As MT4);

## Continued:

$total7 = total3 + 8$  (if As MT4)

$total8 = total4 + 8$  (if As MT4)

if  $total1$  or  $total2$  or  $total3$  or  $total4$  or  $total5$  or ... $total8$

And oscillator signal is OK

You can launch a sell (until the next reversal is detected)

by indicating the total next to it: 14 if  $total1$  or 20 if  $total2$  or 21 if  $total3$  27 if  $total4$   
you can change the color or type of the indicator according to the total.

To exit the market, if you encounter a small Fibonacci retracement type reversal or if you encounter the next high.

If we encounter a small reversal, the total in question is decremented by 1 and when we encounter the next Fibonacci point the total is =0 and we start again the conditions to enter an order sell as at the beginning but from the closing Fibo point.

We can add a stop loss of (xx pips) and take profile of (yy pips) for each trade

The conditions for making a buy order are exactly the same in the opposite direction.

Eg : [oscillator to use](#)

## Important :

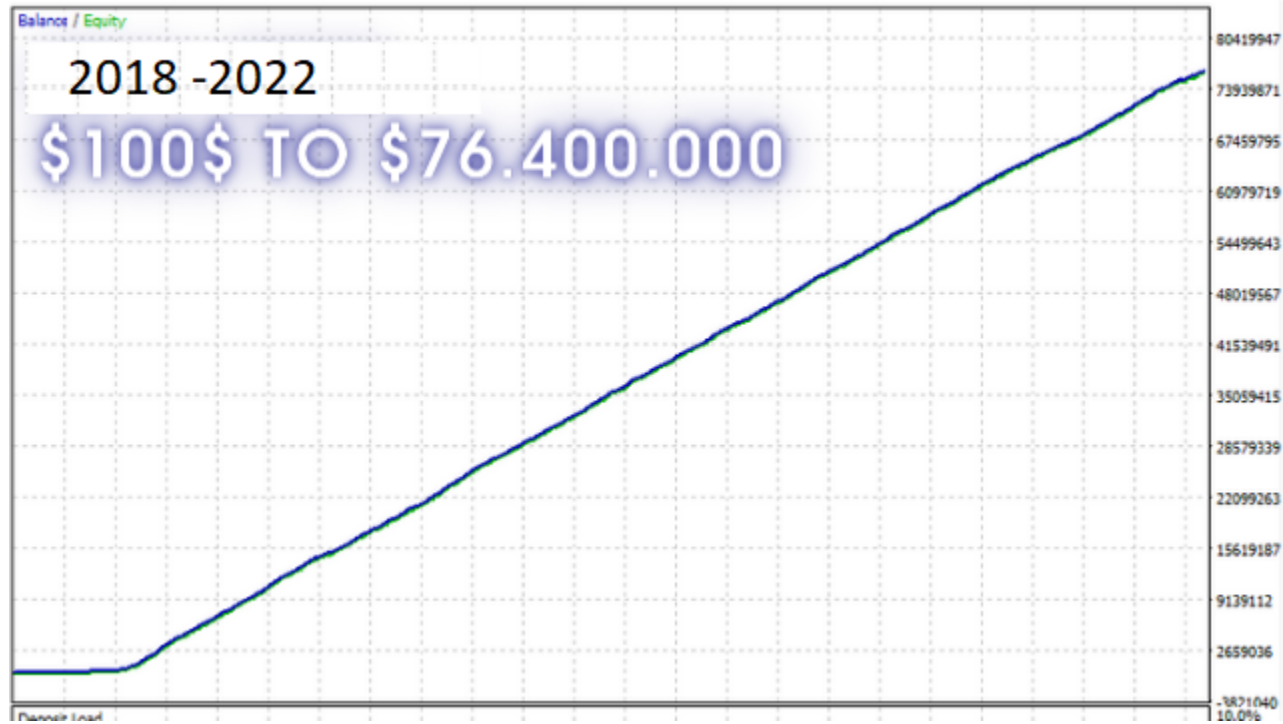
just add an option if I want to activate 2 or 3 indicators at the same time.

The highest and lowest indicator is the main one and it must be there all the time.

Then I can decide to complete with just the AO indicator or just the MA indicator or both.

# Backtest result

The backtest graphic result should be look like that :



# Backtest result

- Minimum of DRAWDOWN <= 20%
- A good profit factor :
- A good Equity Drawdown Relative
- A good Total net Profit at least 15% by month of initial deposit
- if not, find other strategies to stay in this objective.
- To have a result that allows to stay in the target by doing backtests on month by month over the last 12 months

History Quality	97%			
Bars	65164	Ticks	391600113	Symbols
Initial Deposit	100.00			
Total Net Profit	76 422 625.80	Balance Drawdown Absol...	0.02	Equity Drawdown Absolute
Gross Profit	77 744 228.18	Balance Drawdown Maxi...	310 940.83 (0.41...	Equity Drawdown Maximal 377 46
Gross Loss	-1 321 602.38	Balance Drawdown Relati...	2.07% (303 918....	Equity Drawdown Relative 17.83%
Profit Factor	58.83	Expected Payoff	28969.91	Margin Level
Recovery Factor	202.46	Sharpe Ratio	0.40	Z-Score 1
AHPR	1.0052 (0.52%)	LR Correlation	1.00	OnTester result
GHPR	1.0051 (0.51%)	LR Standard Error	1 121 600.83	
Total Trades	2638	Short Trades (won %)	1318 (97.50%)	Long Trades (won %) 1:
Total Deals	5276	Profit Trades (% of total)	2565 (97.23%)	Loss Trades (% of total)
	Largest	profit trade	172 660.04	loss trade
	Average	profit trade	30 309.64	loss trade