

## power language plan of algo

### First part

1. green candle moving upwards and red candle moving downwards

2. There are 6 Simple Moving Averages are they are taking the close of the candles.

purple avg - 6 candle close

orange avg -12 candle close

black avg- 20 candle close

blue avg -30 candle close

brown avg -50 candle close

red avg - 100 candle close

if possible to show balloons with numbers of events on graphs

#### **Uptrends**

up movement will be if avg purple is above avg red. (if purple average is crossing on red line average it means its uptrends and will move high)

when purple line avg crossing above red will be called event number 2

when orange avg crossing above red will be called event number 4

when black avg crossing above red will be called event number 6

when blue avg crossing above red will be called event number 8

when brown avg crossing above red will be called event number 10

#### **Downtrends**

down movement will be if avg purple is below avg red.

when crossing purple avg below red will be called event number 1

when crossing orange avg below red will be called event number 3

when crossing black avg below red will be called event number 5

when crossing blue avg below red will be called event number 7

when crossing brown avg below red will be called event number 9

create a function that will know when those avgs are crossing each other.

#### **Averages Crossing Below/Downwards**

when purple is crossing avg orange and go below him is 1.1

when purple is crossing avg black and go below him is 1.2

when purple is crossing avg blue and go below him is 1.3

when purple is crossing avg brown and go below him is 1.4

when crossing orange avg below black will be called event number 3.1

when crossing orange avg below blue will be called event number 3.2

when crossing orange avg below brown will be called event number 3.3

#### **Averages Crossing Above/Upwards**

when purple is crossing avg orange and go above him is 2.1

when purple is crossing avg black and go above him is 2.2

when purple is crossing avg blue and go above him is 2.3

when purple is crossing avg brown and go above him is 2.4

when crossing orange avg above black will be called event number 41  
when crossing orange avg above blue will be called event number 4.2  
when crossing orange avg above brown will be called event number 4.3

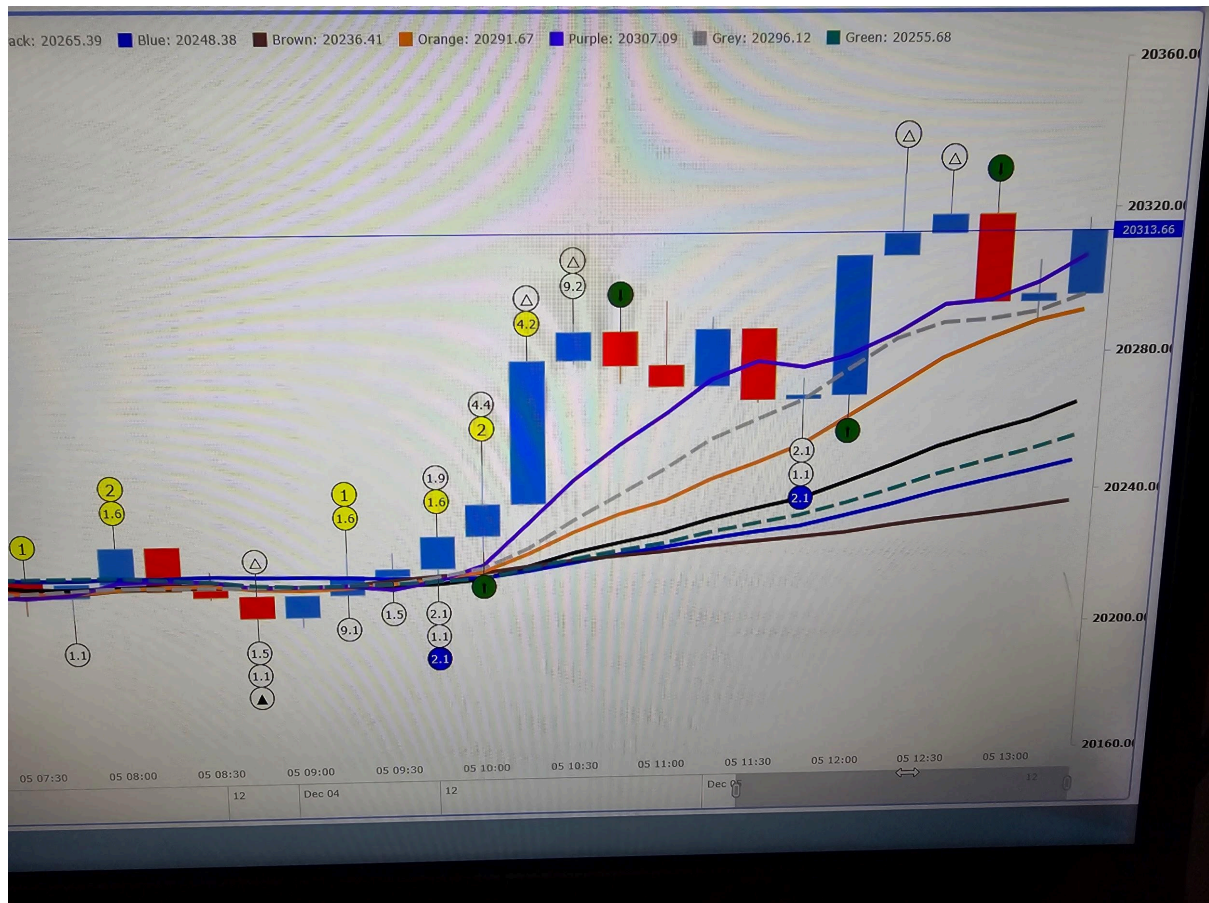
when avg black is crossing avg blue and go below him is 5.1  
when avg black is crossing avg blue and go above him is 6.1

when avg blue is crossing avg brown and go below him is 7.1  
when avg blue is crossing avg brown and go above him is 8.1

After the event is on the graph I want to see it working on my computer and correct the mistakes if there will be. we need to test this on a few graphs for different symbols.  
This how the candles and averages should look,



also you can see how the event should look on the graph.  
Please let me know if it's possible or maybe there is another way to present the event on the graph.



**THE POSITIONS (all the positions for buy trends when purple is above red after event number 2)**

**We will need to test this part together of averages and event before continuing to the positions part.**

### **Second part**

position number 12 buy signal.

Should be visible on the screen with some event with an arrow like in the picture  
(The green events)

when event 2(purple is crossing above red) is triggered in one hour graph

avg purple is above the avg orange

avg black is above the blue

blue avg below red

brown avg below red

avg purple orange, are going up last 6 candles meaning that we take the last candle after the event of 2 and we will count 6 candles back including the candle with the event 2.

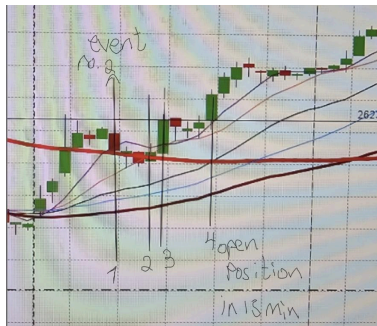
and we will check that in the close of the current candle number 6 the avg purple and orange are higher than candle number 1 close avg purple and orange.

if the above condition one is true.  
current candle is green closed above purple avg  
previous candle close below purple avg  
the function looks for those 2 candles after  
event 2 up to 8 candles of one hour from current candle  
So let say we are now at current candle and he is distant 8 candles from event 2

**and save its close price then it start listen in 15 minutes and listening period is for 14 candles of 15 minutes. and it should open the green candle from last red candle.**

2. will start to look in a 15 minutes graph for a green candle that open above the open of the last red hour candle. with listening of up to 14 fifteen minutes candle.

if he found he will mark the 15 minutes candle as number 12 with a symbol of open position.  
Example:



So line number 1 is the event number 2  
Purple is crossing red.

Line number 2 is previous candle closed below purple avg.

Line number 3 current candle closed above avg purple.

Should open the listening process in 15 minutes and check for a candle that open above the close of the one hour candle as found in Line 4 is where it should open the position.

Before you move to the second position I want to see in my computer how the first position is working and correct the mistakes.

Also we need to run it on 2-1 years back of data to see how it's behave.

### **position number 12.1 buy signal.(orange>red)**

when event 4 (orange avg above red) is triggered in one hour graph  
avg purple is above the avg orange (need to check the value of both of the avg in the event)  
avg purple should be above the red as well  
also avg black is above the blue  
avg black is below the red  
avg purple is bigger avg orange  
avg orange is bigger avg black

avg black is bigger avg blue

avg ,orange,black,blue are going up the last 6 candles meaning that we take the last candle after the event of 4 and we will count 6 candles back including the candle with the event 4. and we will check that the close of the candle number 6 is higher than candle number 1 close.

if condition one is true.  
event 4 was in the last 8 candles of one hour from current candle  
current candle is green closed above purple avg  
previous candle close below purple avg

2.will start to look in a 15 minutes graph for a green candle that open above the open of the last hour candle with listening of up to 16 fifteen minutes candle.  
if he found he will mark the 15 minutes candle as number 12.1 with a symbol of open position.

### Third Part stoploss And take profit.

There are two Algo for calculation of stoploss and take profit.  
Showing in the google sheet

<https://docs.google.com/spreadsheets/d/1eUgdo-WZ2zjgTsALIrKpFqx4ovuT6l8dtaR2CRP9M-k/edit?usp=sharing>

One by %  
The second is by \$

There are 6 TP promotions in total and in this exemple i will explain how the system is promoting.

Let's say the user has selected Algo by %  
and open position.  
The algo will calculate from the chart the % of stoploss and place it when open position.

For the promotion of only the first tp-0 it will need to check  
# the green candle open price is above the filled price for BUY signal.

then it should look at the open and close of the candle and extract what is the 10%, of that size so it will promote to that price.  
This 10% calculate is only done in the 0 Tp promotion so it will secure some profit.  
0 tp does not count in the 5 tp

For Tp 1 and all the rest -5, so first it will search what is the SL(%) in the sheet. and calculate the SL.place a stop order.



Let's say if the current candle close is GREEN and the price is  $\geq$  TP1 (%) then it will promote the TP and adjust the SL

Now we are checking for TP2, in the next green candle .if the price is  $\geq$  TP2(%) from the last tp price, than we will promote the TP2 by 15 candles until tp5.

Example, let say tp1 is promoted to price of 100\$ and the %promote is 0.5 so it will promote when next green candle will open above 100.5\$

Now after Tp 1 is promoted. Let say instead of green candle there is red 15 minutes candle that got closed.

The algo will move to check 5 minutes candle and will promote to the open of 5 minutes candle until tp5 and will close the position after tp 5.

When the 5 minutes timeframe is trigger the algo will not continue to take the % or \$ from the chart and will promote to the open of 5

Minutes candle.

timeframe is trigger moving from 15 candle to 5 minutes candle will work only after the 1st TP is promoted until tp5

.we will So if the candle is RED than we will now switch to 5m from 15m and run the algo system.

Need to built 2 charts in the code one by % and the second by \$ that I will be able to change them and to add symbols.

#### STOCKS AND FUTURES BY PRICE

build function that will monitor All The trades should be closed 5 minutes before the market is closed both EU market and US market.

The signals should open positions on stocks options us market only and futures.

#### **Part 4 and the last.**

After We will finish with the project I want you to go over the code to my programmer so he will understand it and will be able to continue the work with me.