**Algorithm**

Step 1- basic

x = buy price + buy fee

y = current price + sell fee

z = y - x

if(z < 0) //if you sell and you made a loss

don't sell

else //calculate profit

if(z > minimum\_profit)

sell

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Step 2 - using RSI

rsi< 30 = buy with 1/5th of the total

assign coin price as var A

else, do nothing

after 5 mins, check rsi again

if rsi< 30 assign coin price as var b

if var b< a, buy with with another 1/5th

else, do nothing

after 5 mins, check rsi again

if rsi > 65, sell with

((a+b)/2 \* 1.03) + fee

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if market price is greater than our average, sell at market price

if market price is lesser than our average, sell only if we get at least 1% profit

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IF - Sell order gets posted but not settled and rsi tells to buy again

THEN - Buy only if price is lower than the lowest settled buy

Only clear all tables if sell gets settled

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Fix for buying algo

If Rsi < 30

If nothing on table exists (0) then buy market price

if((float(currentRSIPrice + percentLessThanPrevBuy) < float(lastBuyPrice) or int(lastBuyPrice) == 0) and float(usdBalace) >= pricePerOrder)

Else if Market price < Previous buy then buy market price

IF -

Future algo:

If we need to cancel an order

Checkbox for which indicator to use

Order of checks

stop-loss = stop when price hit a certain point in a small amount of time

**GUI ideas**

Variables that need to be entered:

Key

Passphrase

Whitelisted ip address

Enter Total Capital investment - amount of initial money you want to put in trade

How often is the rsi check? - every 5 mins,15 mins, 30 mins, 60 mins

How many times do we divide the initial investment? - default 5 times - can be 2 to 10 times

What timeline/granularity

What % profit for selling - default 3% - from 1% to 5%

usd/coin being traded

When buying again for 1/5th - lesser than 2%

Status monitor:

Initial investment amount

How much gain so far?

Start time

Current usd/coin being traded

Current money in account available for trading?