

I would need an Expert Advisor based on one strategy and different "filters"

Main

The first signal is managed by a single moving average Weighted close period 13 shift 2. This average alone provides support and resistance, so when the price line crosses the average from the bottom to the top there is the buy, when it passes from the bottom up there is the sell. In any case, this moving average must be configurable for all its parameters (period, shift, type)

To filter the signals the main strategy involves the use of PSAR (parabolic SAR). The price generally crosses the average before the PSAR identifies the trend. It means that the cross of the average is the first signal but the appearance of the PSAR is the confirmation signal that indicates entry into the market. Also in this case the parameters of the PSAR must be adjustable and the PSAR filter must be deactivated (true - false). Add the option close position by PSAR (true - false)

Warning: It may happen that the PSAR identifies the trend before the cross. It means that the entry signal is valid within n number of candles of the PSAR. In other words, if the psar appears before the cross and the cross itself occurs within the third candle (the third point of the PSAR), the entry is still valid. It would be good that the number of candles in which the entry is valid is adjustable.

I wish there was an additional filter in the main strategy. It is a slow moving average, I use a smoothed 100, to determine if you have to enter only buy or only sell.

Also in this case the average must be disabled and with adjustable parameters.

In this strategy the filters must be able to be used together or alternatively between them.

The whole strategy must be supported by a system of stop loss, take profit, minimum profit (like a trailing start but without a step), trailing stop (true-false), trailing step (true false).

The system must have the choice between fixed lot and risk percentage

Other entry filters

The first signal is always managed by the average 13 -2 and the main deactivatable filter is that of the slow average.

It is necessary to add other indicators with an input function as an alternative to the PSAR.

Stoch

In this case it is Stochastic oscillator, always adjustable and deactivable but with two modes.

First: When there is the crossing of the two lines of the oscillator, the market is entered

Second: when the price crosses the average upward (buy) and the K line is above the D line, in this case enter the buy. So when the price crosses down (sell) and the K line is below the D line, in this case enter sell. This system is for long periods of the oscillator.

Momentum

Momentum adjustable with level 100. When the price rises above the moving average and the momentum above 100 then Buy, when the price is below the average and below the 100 level of the momentum then Sell. Also in this case the momentum parameter must be deactivated and adjustable.

For each filter it is necessary to establish the validity of the signal as in the case of PSAR, that is, it is necessary to establish the number of candles within which the signal is valid.