Add position opening control for applied instruments to the multi-currency EA. In the settings, place it before max\_kol\_symb. Add the ability to enable/disable it. The parameter name is set using Latin characters.

**Description:**

After a signal to open a new series of positions appears, check if there are open positions belonging this EA instance. If not, positions are opened. If open positions are already present, define the instruments and direction. After that, divide the instrument into 2 currencies (for example, AUDUSD consists of AUD and USD) and define the position direction on separate currencies. When buying a currency pair, the first currency is bought and the second is sold (the opposite is true for selling a pair). Thus, Buy AUDUSD positions are divided into 2 components:

Or

This is how we get separate currencies and position directions for them. This data is saved (till the series is open). Now when a series start signal (on another currency pair) arrives, we need to divide the currency pair, at which a position is to be opened, into separate currencies and disable the start of the new series if there is a match of the position type and currency in the new series with the ones previously opened in the series.

**Suppose that** we already have active Sell positions on AUDUSD, thus we have Sell AUD and Buy USD. A signal to open a new Sell series on AUDCHF arrives,



In other words, Sell on AUD and Buy on CHF are to be opened, but Sell on AUD already exists in the previous series, which means opening such a series should be disabled before the next series opening signal. The check is repeated on the next signal. In case of Buy AUDCHF series signal, such a series can be opened, since Buy AUDCHF = (Buy AUD and Sell CHF). No such combinations have been found yet.

This is how the list of currencies with position directions assigned to them is made. When a new series signal arrives, the check is performed. If there are matches, the series is not opened.

A new series with the following instruments and directions cannot be opened for the open Buy AUDUSD series:

Buy – EURUSD; GBPUSD; NZDUSD; AUDNZD; AUDCAD; AUDCHF; AUDJPY

Sell – USDCAD; USDCHF; USDJPY; EURAUD; GBPAUD.

The series in the following combinations can be started:

Sell – EURUSD; GBPUSD; NZDUSD; AUDNZD; AUDCAD; AUDCHF; AUDJPY

Buy – USDCAD; USDCHF; USDJPY; EURAUD; GBPAUD.

Or on any other currency pairs, in any direction (Buy/Sell).

**Additional:**

The log should receive entries about each case of a series not opening after a signal arrival with the reasons stated. For example, Buy AUDCHF signal has not led to a series opening because Buy on AUD is present. Only Latin characters are to be used in the log.

If the series has already started, this mechanism should not interfere with the opening of positions in it. For example, a series has opened on AUDUSD and it is time to perform the second deal in the series according to the basic algorithm. The described mechanism should not interfere with the execution of the main algorithm after the start of the series.

The algorithm should not conflict with the rest of the EA settings.

The terminal/PC restart, as well as the EA's setting and removal from the chart should be handled correctly.