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//+-----+
//| BAI12: RSI.mq5 |
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//+-----+
#property copyright "Copyright 2020, MetaQuotes Software Corp."
#property link "https://www.mql5.com"
#property version "1.00"
// MS ROBOT - robotfx.mt5@gmail.com
//| KHAI BAO THU VIEN
#include<Trade\Trade.mqh>
#include <Trade\SymbolInfo.mqh>
#include <Object.mqh>
CTrade trade;
//+-----Ms ROBOT: robotfx.mt5@gmail.com-----+
//+-----+
//| Expert initialization function
//+-----+
int OnInit()
{
//---

//---
return(INIT_SUCCEEDED);
}
//+-----+
//| Expert deinitialization function
//+-----+
void OnDeinit(const int reason)
{
//---

}
//+-----+
//+-----Ms ROBOT: robotfx.mt5@gmail.com-----+
//| Expert tick function
input int TP=700; //Take Profit(Point)
input int SL=500; //Stoploss (Point)
input double Volume=0.05; //Volume
input int Target=50; //Target $

int cmd = 0;
int Reset = 0;

double SumProfit = 0;
string Label = "Start";
string iCMD = "";

int RSI= 0;
int RSImax= 0;
int RSImin= 0;

int B= 0;
int S= 0;

int W= 0;
int F= 0;

int Ai= 1;

double Bid = 0;

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double Ask = 0;

int Start = 0;
double TotalProfit = 0;
double BalanceOut = 0;
double BalanceIn = 0;
double BalanceSave = 0;
//+-----Ms ROBOT: robotfx.mt5@gmail.com-----+
//+-----+
void OnTick()
{
//---
if(Start == 0 && RSI != 0)
{
BalanceIn=AccountInfoDouble(ACCOUNT_BALANCE);
BalanceSave=AccountInfoDouble(ACCOUNT_BALANCE);
Start = 1;
RSImax= RSI;
RSImin= RSI;
}
CheckCMD();

if(cmd == 0 && Reset == 2)
{
Label = "Start";
iCMD = "";
BalanceOut=AccountInfoDouble(ACCOUNT_BALANCE);
TotalProfit = NormalizeDouble(BalanceOut - BalanceIn,2);
if(BalanceSave > BalanceOut)
{F++; Ai = -Ai;}
if(BalanceSave < BalanceOut)
{W++;}

RSImax= RSI;
RSImin= RSI;

Reset = 0;
BalanceSave = BalanceOut;

if(TotalProfit >= Target)
{
Label = "Stop, Full Target";
ExpertRemove();
}
}

Check_RSI();
CheckBuySell();
Show();
}
//+-----Ms ROBOT: robotfx.mt5@gmail.com-----+
//+-----+
void CheckCMD()
{
//-----
cmd = 0;
SumProfit = 0;

if (PositionSelect(_Symbol)==true)
{

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for(int i=PositionsTotal()-1; i>=0;i--)
{
    ulong PositionTicket=PositionGetTicket(i);
    string PositionSymbol=PositionGetString(POSITION_SYMBOL);
    double ProfitSymbol = PositionGetDouble(POSITION_PROFIT);
    ENUM_POSITION_TYPE PositionType = (ENUM_POSITION_TYPE)
PositionGetInteger(POSITION_TYPE);

    if(PositionSymbol==_Symbol)
    {
        cmd++;
        SumProfit = SumProfit + ProfitSymbol;

        if(PositionType == 0)
        {
            iCMD = "BUY / ";
        }
        if(PositionType == 1)
        {
            iCMD = "SELL / ";
        }
    }
}

//+-----Ms ROBOT: robotfx.mt5@gmail.com-----+
//+-----+
void Check_RSI()
{
    //--- CHECK MA ---
    RSI=0;

    double myRSIArray[];
    int myRSIDefinition = iRSI(_Symbol,_Period,14,PRICE_CLOSE);
    ArraySetAsSeries(myRSIArray,true);

    CopyBuffer(myRSIDefinition,0,0,3,myRSIArray);
    RSI=myRSIArray[0];

    if(Reset == 0 && cmd == 0) // "Start";
    {
        if(RSI > 50 && RSI < 60)
        {
            if(Ai > 0)
            { Label = "Sale Area"; }
            else
            { Label = "Buy Area"; }
        }
        if(RSI > 30 && RSI < 40)
        {
            if(Ai > 0)
            { Label = "Buy Area"; }
            else
            { Label = "Sale Area"; }
        }
    }

    if(RSI > RSImax)

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    {
        RSImax = RSI;
    }

    if(RSI < RSImin)
    {
        RSImin = RSI;
    }
}
//+-----Ms ROBOT: robotfx.mt5@gmail.com-----+
//+-----+
void CheckBuySell()
{
    if(cmd == 0)
    {
        Ask = SymbolInfoDouble(Symbol(), SYMBOL_ASK);
        Bid = SymbolInfoDouble(Symbol(), SYMBOL_BID);

        MqlRates PriceInformation[];
        ArraySetAsSeries(PriceInformation, true);
        double Data=CopyRates(Symbol(), Period(), 0, Bars(Symbol(), Period()),
PriceInformation);

        if(Bid < PriceInformation[1].low && Bid < PriceInformation[2].low
&& Label == "Sale Area")
        {
            double SellTP = NormalizeDouble(Bid - TP*_Point,5);
            double SellSL = NormalizeDouble(Bid + SL*_Point,5);

            trade.Sell(Volume,NULL,Bid,SellSL,SellTP,NULL);
            Label = "Sell Action";
            S++;
        }

        if(Ask > PriceInformation[1].high && Ask > PriceInformation[2]
.high && Label == "Buy Area")
        {
            double BuyTP = NormalizeDouble(Ask + TP*_Point,5);
            double BuySL = NormalizeDouble(Ask - SL*_Point,5);

            trade.Buy(Volume,NULL,Ask,BuySL,BuyTP,NULL);
            Label = "Buy Action";
            B++;
        }
    }

    if(cmd > 0)
    {
        Reset = 2;
    }
}
//+-----Ms ROBOT: robotfx.mt5@gmail.com-----+
//+-----+
void Show()
{
    Comment(
        "\n",
        "[TotalProfit] " , (string)TotalProfit , " ($)\n",

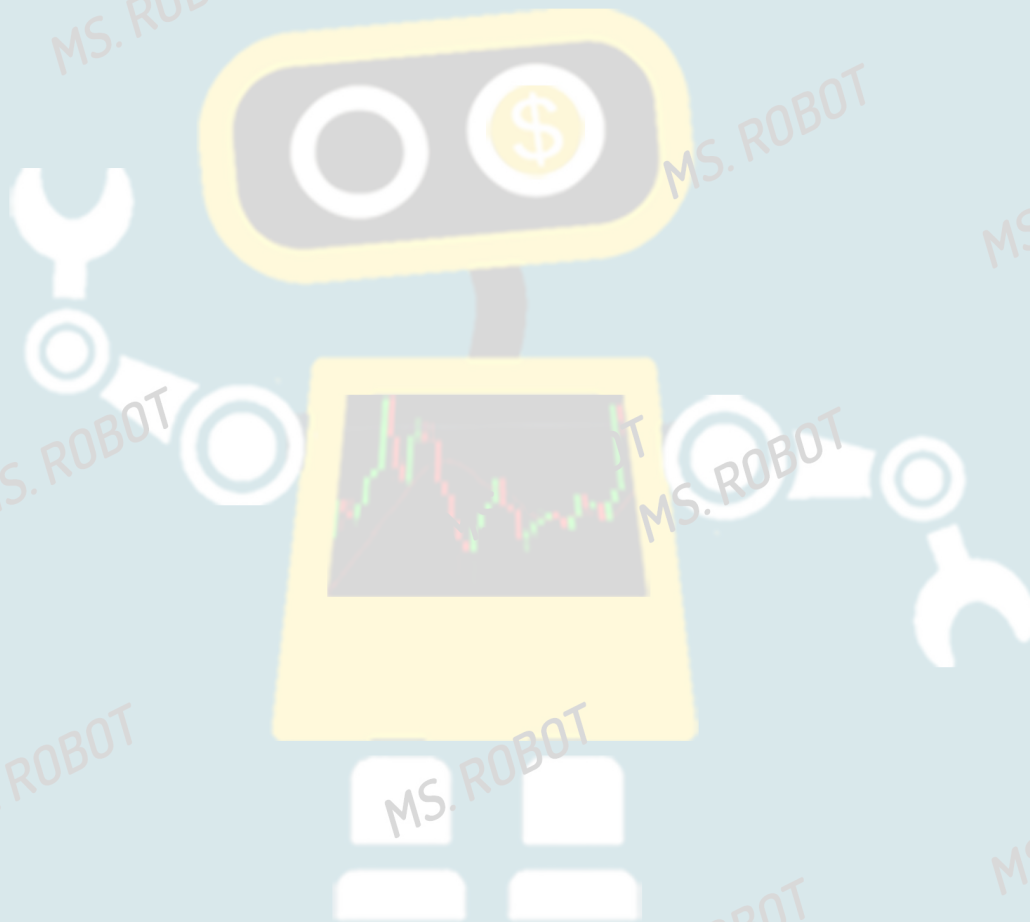
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"Info: ", Label, "\n",
"Win/ Fail: ", (string)W, " / ", (string)F, "\n",
"Buy/ Sell: ", (string)B, " / ", (string)S, "\n",

"RSI: ", (string)RSImin, " < ", (string)RSI, " < ", (string
)RSImax, "\n",
"-----\n",
"Symbol Profit: ", (string)SumProfit, " ($)\n"
);
Sleep(500); // Dừng 0.5s
}
//+-----+
// MS ROBOT - robotfx.mt5@gmail.com

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MS. ROBOT

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