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//変数の宣言
extern int Magic = 1111;

extern double Lot_Multiplier = 2.0;
extern double Base_Lot_Size = 0.1;
extern int Max_Martingale = 4;

extern string Comments = "Martingale EA";

int Ticket = 0;

bool Closed = false;

//関数の定義
double Martingale(double Base_Lots,double Multiplier,int Max)
{
    int Loss_Count = 0;

    for(int i = OrdersHistoryTotal() - 1; i >= 0; i--)
    {
        if(OrderSelect(i,SELECT_BY_POS,MODE_HISTORY) == true)
        {
            if(OrderMagicNumber() == Magic && OrderSymbol() == Symbol())
            {
                if(OrderProfit() <= 0)
                {
                    Loss_Count++;
                }
                else if(OrderProfit() > 0)
                {
                    break;
                }
            }
        }
    }

    if(Loss_Count >= Max)
    {
        Loss_Count = Max;
    }

    double Lots = Base_Lots * MathPow(Multiplier,Loss_Count);

    if(Lots >= MarketInfo(Symbol(),MODE_MAXLOT))
    {
        Lots = MarketInfo(Symbol(),MODE_MAXLOT);
    }

    return(Lots);
}

int start()
{
    //クローズ処理
    //ポジションの選択
    if(OrderSelect(Ticket,SELECT_BY_TICKET) == true)
    {
        //ロングポジションクローズ
        if(OrderType() == OP_BUY)
        {
            if(OrderMagicNumber() == Magic && OrderSymbol() == Symbol() &&
                OrderCloseTime() == 0 && 買いポジションの決済条件)
            {
                Closed = OrderClose(OrderTicket(),OrderLots(),OrderClosePrice(),
                    10,Magenta);

                if(Closed == true)
                {
                    Ticket = 0;
                }
            }
        }
        //ショートポジションクローズ
        else if(OrderType() == OP_SELL)
        {
            if(OrderMagicNumber() == Magic && OrderSymbol() == Symbol() &&
                OrderCloseTime() == 0 && 売りポジションの決済条件)
            {
                Closed = OrderClose(OrderTicket(),OrderLots(),OrderClosePrice(),
                    10,Aqua);

                if(Closed == true)
                {
                    Ticket = 0;
                }
            }
        }
    }

    //エントリー処理
    //ロングエントリー
    if(OrdersTotal() == 0 && 買いエントリー条件)
    {
        Ticket = OrderSend(Symbol(),OP_BUY,
            Martingale(Base_Lot_Size,Lot_Multiplier,Max_Martingale),
            Ask,10,0,0,Comments,Magic,0,Magenta);

        //ショートエントリー
        if(OrdersTotal() == 0 && 売りエントリー条件)
        {
            Ticket = OrderSend(Symbol(),OP_SELL,
                Martingale(Base_Lot_Size,Lot_Multiplier,Max_Martingale),
                Bid,10,0,0,Comments,Magic,0,Aqua);
        }
    }

    return(0);
}
```