int PlaceBuyOrder(int sym) // new

{

trade.SetExpertMagicNumber(MagicNumber[sym]);

symInfo.Name(SymbolArray[sym]);

CurrentRiskPerTrade = tradeP\_risk;

CalcBuyData(sym);

Order\_size = CalculateLotSize(StopLoss, sym);

Order\_size = MathMax(Order\_size , 0.01);

if (UseFixed\_SL) Order\_size = NormalizeDouble(CurrentRiskPerTrade\*(Default\_SL\_Perc/100) \* AccountInfoDouble(ACCOUNT\_BALANCE) / (100000 ) , 2);

if (TradeP\_method==”market” ) OrderPrint(sym , "buy market: " );

else OrderPrint(sym , "buy limit: " ,

( " TradeP\_method: " + string(TradeP\_method) + " ,Expiration time : " +

TimeToString(TimeCurrent(dt\_struct) + tradeP\_limit\_order\_expiration\_bars) + string(PeriodSeconds(0)) ) );

positionOpen=false;

int i=0;

do

{

if (i>=1)

{

Sleep(25);

if (i==2) Sleep(100);

if (i==3) Sleep(500);

CalcBuyData(sym);

}

FillBuyData(sym);

if(OrderSend(myrequest,myresult))

{

positionOpen=true;

OrderPrint(sym, "Buy Order done");

}

else OrderPrint(sym , "Buy OrderSend failed" , ("error: " + string(GetLastError()) ));

i=i+1;

}

while(!positionOpen && i<4);

return myticket;

}

void CalcBuyData(int sym)

{

symInfo.Refresh();

if (TradeMethod == “market” ) EnterPrice = SymbolInfoDouble(SymbolArray[sym],SYMBOL\_ASK);

else if(TradeMethod ==” limit” )

{

if (indicator == “SR” || indicator == “Fakeout” ) EnterPrice = LowerSR[sym] ;

else if (indicator == “Breakout” ) EnterPrice = PrevUpperSRLevel[sym] ;

else if (indicator == “Double” ) EnterPrice = DoubleUpPrice[sym] ;

else if (indicator == “Trend” ) EnterPrice = CalcTrendValue(UpTrend[sym].LineSlope , UpTrend[sym].LineStart , UpTrend[sym].LineFirstBar) ;

else if (indicator == “TrendBreakout” ) EnterPrice = CalcTrendValue(PrevDownTrend[sym].LineSlope , PrevDownTrend[sym].LineStart , PrevDownTrend[sym].LineFirstBar) ;

else EnterPrice = SymbolInfoDouble(SymbolArray[sym],SYMBOL\_ASK) ;

//PrintMessage(sym, "buy limit order price calculation: ", ("PendingOrdersATRSlack is: " + PendingOrdersATRSlack + " ,ATRBuffer is: " + Close[sym].a[1]));

DeleteOldPosition(ORDER\_TYPE\_BUY\_LIMIT , sym);

}

else // tradeP\_method == stop || limit\_stop

{

if (UseSpecial) EnterPrice = CalcSpecialBuyStopOrder(sym);

else if (UseSR || UseFakeOut ) EnterPrice = UpperSR[sym] ;

else if (UseBreakOut) EnterPrice = PrevUpperSRLevel[sym] ;

else if (UseDouble ) EnterPrice = DoubleDownPrice[sym] ;

else if (UseTrend) EnterPrice = CalcTrendValue(DownTrend[sym].LineSlope , DownTrend[sym].LineStart , DownTrend[sym].LineFirstBar) ;

else if (UseTrendBreakOut) EnterPrice = CalcTrendValue(PrevDownTrend[sym].LineSlope , PrevDownTrend[sym].LineStart , PrevDownTrend[sym].LineFirstBar) ;

else EnterPrice = SymbolInfoDouble(SymbolArray[sym],SYMBOL\_ASK) ;

if(TradeMethod ==3) DeleteOldPosition(ORDER\_TYPE\_BUY\_STOP , sym);

else if(TradeMethod ==4 ) DeleteOldPosition(ORDER\_TYPE\_BUY\_STOP\_LIMIT , sym);

}

Default\_SL = Close[sym].a[1] \* Default\_SL\_Perc / 100;

if (UseCandlesSL)

{

Calculate\_CandlesSL (0 , EnterPrice , sym) ;

StopLoss = MathMin(StopLoss , Default\_SL);

}

else StopLoss = Default\_SL;

if (UseFixedSL) StopLoss = MathMin(StopLoss , SL\_FixedSL ) ;

if (UseSRSL) StopLoss = MathMin(StopLoss ,Calculate\_SR\_Long\_SL ( EnterPrice, sym)) ;

if (UseTrendSL) StopLoss = MathMin(StopLoss ,Calculate\_Trend\_Long\_SL ( EnterPrice, sym)) ;

if (UseSpecialSL) StopLoss = MathMin(StopLoss ,CalcSpecialBuySL(sym) ) ; // the sell enter price is the buy SL

TakeProfit = 0;

if (UseTP)

{

if (UsePercTP) TakeProfit = PercTP \* Close[sym].a[1]/100;

if (UseSpecialTP) TakeProfit = MathMax(TakeProfit , CalcSpecialBuyTP(sym));

if (UseRRTP) TakeProfit = MathMax(TakeProfit , RR\_TP\_Ratio \* StopLoss);

if (TradeMethod<2)

{

if (UseSRTP) TakeProfit= MathMax(TakeProfit ,Calculate\_SR\_Long\_TP ( EnterPrice, sym));

}

else if (TradeMethod==3)

{

if (UseSRTP) TakeProfit= MathMax(TakeProfit ,Calculate\_SR\_Short\_TP ( EnterPrice, sym));

}

}

SLPrice = EnterPrice - StopLoss ;

TPPrice = EnterPrice + TakeProfit ;

}