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/*

////////////////////////////////////////////////////////////////// BUY / SELL SIGNAL LOGIC HERE...

SetPlotColor(1, JBColorMvgAvg ); // yello
SetPlotColor(2, JBColorPivot ); // cyan
// sell signal?
if PtrailingAvg > Pday then begin
  if BuySignal>=0 then begin

    SellSignal=SellSignal+1;
    if SellSignal=1 then begin
      if BuySignal > BuyThreshold then begin
        SetPlotWidth(1, JBplotW); // strong sell

      JBString0 = NumToStr(BuySignal,0); // print # of candles

Value67 = Text_New(Date, Time,PtrailingAvg , JBString0 );
  Text_SetColor(Value67, yellow);
  Text_SetLocation(Value67, Date, Time, (PtrailingAvg +(PtrailingAvg/250) ));
// Text_SetLocation(Value67, Date, Time, (PtrailingAvg +(PtrailingAvg/100) ));

currSellStr= JBudate +"," +NumToStr(Time,0)+"," +
DayOfWeekNumStr+"," +NumToStr(BarInterval,0)+"min," + priceMinusR1pctstr +
",SELL,100," +Symbol+",atLimit," +NumToStr( PtrailingAvg ,2)
+",P3day,sellsigcnt," +JBString0+", "+pivotsStrOutput+", "+priceMinusR1str+", "+ gapstr
+", "+weeklyPivotsStr+", "+monthlyPivotsStr+",EOL";
//currSellStr= JBudate +"," +NumToStr(Time,0)+"," +
DayOfWeekNumStr+"," +NumToStr(BarInterval,0)+"min," +
"intraday,SELL,100," +Symbol+",atLimit," +NumToStr( PtrailingAvg ,2)
+",P3day,sellsigcnt," +JBString0+", "+pivotsStrOutput+", "+priceMinusR1str+", "+weeklyPivotsStr+"
, ";

// SELL 100 Shares SYMBOL at LIMIT $PtrailingAvg+.01 time = timstr , IFF SHORTing = ON;

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If ( BuySignal>= BuyThreshold2 and ( currSellStr <> lastSellStr ) and processBar=1 ) then
Begin
  FileAppend("c:\_dev\Projects\algo-python\intradaytrades.txt", NewLine + currSellStr );
  //NewLine +JBudate +"," +NumtoStr(Time,0)+"," +
  DayOfWeekNumStr+"," +NumtoStr(BarInterval,0)+"min," +
  "intraday,sell,100," +Symbol+",atLimit," +NumtoStr( PtrailingAvg ,2)
  +",P3day,sellsigcnt," +JBString0+", "+pivotsStrOutput+", "+priceMinusR1str+", "+weeklyPivotsStr+"
  , " );
  // FileAppend("c:\_dev\DayTrades.txt", NewLine+"|:: SELL 100 Shares of "+Symbol+" at LIMIT
  " + "$"+NumtoStr( PtrailingAvg ,2) + " ::| " +LeftStr(ELDateToString(Date), 10) + "
  "+NumtoStr(Time,0) + " = "+JBString0 );
  lastSellStr = currSellStr ;
end;

  if HardR1>0 and Pday>HardR1 then // final check for trendline resistance R1 broken
    SetPlotColor(1, white)
    else SetPlotColor(1, yellow);
  end else
  begin
    SetPlotWidth(1, JBplotW-2); // weak sell
    SetPlotColor(1, yellow);
    end;
  end else
  begin
    SetPlotWidth(1,JBplotWsm);
  // SetPlotColor(1,red);
  SetPlotColor(1,JBColorMvgAvg); // rev 5.0
  end;
  BuySignal=0;
  SetPlotWidth(2, JBplotWsm); //Plot2 = buy line, reset it
end;
end;

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//*****

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***** buy signal?

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if PtrailingAvg < Pday then begin

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  if SellSignal>=0 then begin

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    BuySignal=BuySignal+1;

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    if BuySignal=1 then begin

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if SellSignal > SellThreshold then begin
    SetPlotWidth(2, JBplotW);
    JBString0 = NumToStr(SellSignal,0);

Value66 = Text_New(Date, Time,Pday , JBString0 );
    Text_SetColor(Value66, cyan);
    Text_SetLocation(Value66, Date, Time, (Pday -(Pday/250) ));

//test
str1= JBudate +"," +NumToStr(Time,0)+"," +
DayOfWeekNumStr+"," +NumToStr(BarInterval,0)+"min,"+ "intraday,BUY** ,100,"+Symbol;
str2= lastBuyStr ;

//if( str1 <> str2 ) then str3="notEqual";
//if( str1 = str2 ) then str3="yesEqual";

if( currBuyStr <> lastBuyStr ) then str3="notEqual";
if( currBuyStr = lastBuyStr ) then str3="yesEqual";

currBuyStr= JBudate +"," +NumToStr(Time,0)+"," +
DayOfWeekNumStr+"," +NumToStr(BarInterval,0)+"min,"+ priceMinusS1pctstr
+",BUY,100,"+Symbol+",atLimit,"+NumToStr( Pday ,2)
+",Pday,buysigcnt,"+JBString0+", "+pivotsStrOutput+", "+priceMinusS1str+ ", "+ gapstr
+", "+weeklyPivotsStr+", "+monthlyPivotsStr+",EOL";

If ( SellSignal>=SellThreshold2 and ( currBuyStr <> lastBuyStr ) and processBar=1 ) then
//If ( SellSignal>=SellThreshold2 and ( str3="notEqual" ) ) then
begin
    FileAppend("c:\_dev\Projects\algo-python\intradaytrades.txt", NewLine + currBuyStr); //
+NewLine + "1">currBuyStr +NewLine + "2">lastBuyStr +NewLine +"]"+str3 ); // NewLine +
JBudate +"," +NumToStr(Time,0)+"," + DayOfWeekNumStr+"," +NumToStr(BarInterval,0)+"min,"+
"intraday,buy,100,"+Symbol+",atLimit,"+NumToStr( Pday ,2)
+",Pday,buysigcnt,"+JBString0+", "+pivotsStrOutput+", "+priceMinusS1str+", "+weeklyPivotsStr+",
" );
//FileAppend("c:\_dev\DayTrades.txt", NewLine+"|:: BUY 100 Shares of "+Symbol+" at LIMIT "
+"$"+NumToStr( Pday ,2) +" ::| "+LeftStr(ELDateToString(Date), 10) +" "+NumToStr(Time,0)
+" = "+JBString0);
lastBuyStr = currBuyStr ;
end;

if HardS1>0 and Pday<HardS1 then // final check for trendline support S1 broken

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        SetPlotColor(2, magenta)
        else SetPlotColor(2, cyan);
    end else
        begin
            SetPlotWidth(2, JBplotW-2);
            SetPlotColor(2, cyan);    // weak buy
        end;
    end else
        begin
            SetPlotWidth(2,JBplotWsm);
            SetPlotColor(2,JBColorPivot);
        end;

        SellSignal=0;
        SetPlotWidth(1, JBplotWsm);    //Plot1 = sell line, reset it
    end;

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end;

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if PtrailingAvg = Pday then begin
    BuySignal=0;
    SellSignal=0;
    SetPlotWidth(2, JBplotWsm);    //Plot2 = buy line, reset it
    SetPlotWidth(1, JBplotWsm);    //Plot1 = sell line, reset it
end;

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//SetPlotColor(1, red );
//SELL Plot1 red line
Plot1(PtrailingAvg,"PtrailingAvg");    //SELL this is John Person's red-3 past days Pivot Avg/3
//BUY Plot2 blue line
//SetPlotColor(2, darkblue );
Plot2(Pday,"Pday");    //BUY this is John Person's blue-the next day's Pivot based on today

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