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//+-----+
//|                                     Script_LotSizeForGAPEvent.mq4 |
//|                                     M Wilson |
//|                                     https://www.algotrader.blog |
//+-----+
#property copyright "M Wilson"
#property link      "https://www.algotrader.blog"
#property version   "1.00"
#property strict

//+-----+
//| Script program start function |
//+-----+
void OnStart()
{

//--- Based upon the current MQL parameters, this script approximates the Lot size that we
const double C_MAXLOSS=10000;
const double C_GAP_1=0.15;
const double C_GAP_2=0.05;
const double C_GAP_3=0.035;

//Get the spot
double dblSpot=0.5*(MarketInfo(Symbol(),MODE_BID)+MarketInfo(Symbol(),MODE_ASK));
double dblGAPSize_1=C_GAP_1*dblSpot;
double dblGAPSize_2=C_GAP_2*dblSpot;
double dblGAPSize_3=C_GAP_3*dblSpot;

//Get ticksize and tickvalue
double dblTickSize=MarketInfo(Symbol(),MODE_TICKSIZE);
double dblTickValue=MarketInfo(Symbol(),MODE_TICKVALUE);

if(dblTickValue<=0)
{
    Print(__FILE__+" : "+__FUNCTION__,
" TickValue is Zero, are you running this script out of hours ?");
    return;
}

double dblGAPLoss_1=(dblGAPSize_1/dblTickSize)*dblTickValue;
double dblGAPLoss_2=(dblGAPSize_2/dblTickSize)*dblTickValue;
double dblGAPLoss_3=(dblGAPSize_3/dblTickSize)*dblTickValue;

double dblLot_1=1.0*C_MAXLOSS/dblGAPLoss_1;
double dblLot_2=1.0*C_MAXLOSS/dblGAPLoss_2;
double dblLot_3=1.0*C_MAXLOSS/dblGAPLoss_3;

Print(Symbol()," MaxLoss: ",C_MAXLOSS," GAP: ",C_GAP_1," MaxLot: ",dblLot_1);
Print(Symbol()," MaxLoss: ",C_MAXLOSS," GAP: ",C_GAP_2," MaxLot: ",dblLot_2);
Print(Symbol()," MaxLoss: ",C_MAXLOSS," GAP: ",C_GAP_3," MaxLot: ",dblLot_3);

}
//+-----+

```