

```
//MA-Dev-R.mq4
```

```
#property indicator_separate_window  
#property indicator_buffers 1  
#property indicator_color1 SpringGreen  
#property indicator_width1 1  
#property indicator_level1 0
```

← #property命令を記述

```
//インジケータバッファの宣言
```

```
double MA_Dev_R[]; ← インジケータバッファを宣言
```

```
//変数の宣言
```

```
extern int MA_Period = 25;  
extern int MA_Method = 0;  
extern int MA_Applied_Price = 0;  
extern int Applied_Price = 0;
```

← 変数を宣言

```
int init()  
{
```

```
    //インジケータバッファのインデックス  
    SetIndexBuffer(0,MA_Dev_R);
```

```
    //インジケータのラベル  
    SetIndexLabel(0,"MA-Dev-R");  
    IndicatorShortName("MA-Dev-R (" +MA_Period+" "+MA_Method+" "+Applied_Price+"");
```

← 基本設定を記述

```
    //インジケータのスタイル  
    SetIndexStyle(0,DRAW_LINE,STYLE_SOLID);
```

```
    //インジケータの描画開始時点  
    SetIndexDrawBegin(0,MA_Period + 10);
```

```
    return(0);  
}
```

```
int start()  
{
```

```
    if(Bars < MA_Period)  
    {  
        return(0);  
    }
```

```
    int limit = Bars - IndicatorCounted();
```

```
    for(int i = limit - 1; i >= 0; i--)
```

```
    {  
        double MA = iMA(NULL,0,MA_Period,0,MA_Method,MA_Applied_Price,i);  
        MA = NormalizeDouble(MA,MarketInfo(Symbol(),MODE_DIGITS));
```

```
        if(MA != 0)
```

```
        {  
            switch(Applied_Price)
```

```
            {
```

```
                case 0:
```

```
                    double Value = Close[i];  
                    MA_Dev_R[i] = (Value - MA) / MA * 100;  
                    MA_Dev_R[i] = NormalizeDouble(MA_Dev_R[i],MarketInfo(Symbol(),MODE_DIGITS));  
                    break;
```

```
                case 1:
```

```
                    Value = Open[i];  
                    MA_Dev_R[i] = (Value - MA) / MA * 100;  
                    MA_Dev_R[i] = NormalizeDouble(MA_Dev_R[i],MarketInfo(Symbol(),MODE_DIGITS));  
                    break;
```

```
                case 2:
```

```
                    Value = High[i];  
                    MA_Dev_R[i] = (Value - MA) / MA * 100;  
                    MA_Dev_R[i] = NormalizeDouble(MA_Dev_R[i],MarketInfo(Symbol(),MODE_DIGITS));  
                    break;
```

```
                case 3:
```

```
                    Value = Low[i];  
                    MA_Dev_R[i] = (Value - MA) / MA * 100;  
                    MA_Dev_R[i] = NormalizeDouble(MA_Dev_R[i],MarketInfo(Symbol(),MODE_DIGITS));  
                    break;
```

```
                case 4:
```

```
                    Value = (High[i] + Low[i]) / 2;  
                    MA_Dev_R[i] = (Value - MA) / MA * 100;  
                    MA_Dev_R[i] = NormalizeDouble(MA_Dev_R[i],MarketInfo(Symbol(),MODE_DIGITS));  
                    break;
```

```
                case 5:
```

```
                    Value = (High[i] + Low[i] + Close[i]) / 3;  
                    MA_Dev_R[i] = (Value - MA) / MA * 100;  
                    MA_Dev_R[i] = NormalizeDouble(MA_Dev_R[i],MarketInfo(Symbol(),MODE_DIGITS));  
                    break;
```

```
                case 6:
```

```
                    Value = (High[i] + Low[i] + Close[i] + Close[i]) / 4;  
                    MA_Dev_R[i] = (Value - MA) / MA * 100;  
                    MA_Dev_R[i] = NormalizeDouble(MA_Dev_R[i],MarketInfo(Symbol(),MODE_DIGITS));  
                    break;
```

```
            }
```

```
        }
```

```
    }  
    return(0);  
}
```

← 具体的な処理内容を記述