CURSO_FILTROS-ORB:

El código proporcionado utiliza una estructura Switch para aplicar diferentes filtros de selección basados en la elección del usuario, y traza señales de compra o venta basadas en los criterios especificados de cada caso. Aquí está el pseudocódigo correspondiente:

INPUTS DE LA ESTRATEGIA:

- **Eleccionfiltro:** Variable que utilizamos para seleccionar el filtro a utilizar en el switch.
- **FiltroTendencia:** La cantidad de días para calcular la media de cierres diarios y determinar la tendencia. Tiene que ser mayor que 0 en caso de utilizar algún filtro que utilice la media.

EJECUTAR LA SELECCIÓN DE FILTRO BASADO EN ELECCIONFILTRO:

Para cada Case dentro del Switch, aplicar un conjunto específico de condiciones. Si las condiciones se cumplen, trazar una señal correspondiente; de lo contrario, no trazar nada. Se pueden elegir entre 19 filtros diferentes que son permutaciones de varias condiciones.

CÓDIGO DE EASYLANGUAGE:

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input: Filtrotendencia(13), eleccionFiltro(1);
Switch (eleccionFiltro )
begin
        Case 1:
                if Close of data2 > average(Close of data2, FiltroTendencia) and
High of data2 > High[1] of data2 then
                        Plot1( High, !("Filtro1 Lng") )
                Else
                        Noplot(1);
                if Close of data2 <average(Close of data2, FiltroTendencia) and Low
of data2 <Low[1] of data2 then
                        Plot2( Low, !("Filtro1 Shrt") )
                Else
                        Noplot(2);
        Case 2:
                if Close of data2 > average(Close of data2, FiltroTendencia) and
Close of data2 > Open of data2 then
                        Plot1( High, !("Filtro1 Lng") )
                Else
                        Noplot(1);
                if Close of data2 < average(Close of data2, FiltroTendencia) and
Close of data2 < Open of data2 then
                        Plot2( Low, !("Filtro1 Shrt") )
                Else
                        Noplot(2);
        Case 3:
                if Close of data2 > average(Close of data2, FiltroTendencia) and
Close of data2 > Close[1] of data2 then
                        Plot1( High, !("Filtro1 Lng") )
                Else
                        Noplot(1);
                if Close of data2 < average(Close of data2, FiltroTendencia) and
Close of data2 < Close[1] of data2 then
                        Plot2( Low, !("Filtro1 Shrt") )
                Else
                        Noplot(2);
        Case 4:
                if Close of data2 > average(Close of data2, FiltroTendencia) and
Open of data2 > Low of data2 + 0.5 * range[1] of data2 then
                        Plot1( High, !("Filtro1 Lng") )
                Else
                        Noplot(1);
                if Close of data2 < average(Close of data2, FiltroTendencia) and
Open of data2 < High of data2 - 0.5 * range[1] of data2 then
                        Plot2( Low, !("Filtro1 Shrt") )
                Else
                        Noplot(2);
        Case 5:
                if Close of data2 > average(Close of data2, FiltroTendencia) and
Close of data2 > Low of data2 + 0.5 * range[1] of data2 then
                        Plot1( High, !("Filtro1 Lng") )
                Else
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                        Noplot(1);
                if Close of data2 < average(Close of data2, FiltroTendencia) and
Close of data2 < High of data2 - 0.5 * range[1] of data2 then
                        Plot2( Low, !("Filtro1 Shrt") )
                Else
                        Noplot(2);
        Case 6:
                if Close > average(Close, FiltroTendencia) and Close of data2 > Open
of data2 and range of data2 > average(Close of data2, FiltroTendencia) * 0.01 then
                        Plot1( High, !("Filtro1 Lng") )
                Else
                        Noplot(1);
                if Close < average(Close, FiltroTendencia) and Close of data2 < Open
of data2 and range of data2 > average(Close of data2,FiltroTendencia) * 0.01 then
                        Plot2( Low, !("Filtro1 Shrt") )
                Else
                        Noplot(2);
        Case 7:
                if Close of data2 > average(Close of data2, FiltroTendencia) and
Close  of data2 < Open of data2 and range of data2 > average(Close of
data2,FiltroTendencia) * 0.01 then
                        Plot1( High, !("Filtro1 Lng") )
                Else
                        Noplot(1);
                if Close of data2 < average(Close of data2, FiltroTendencia) and
Close of data2 > Open of data2 and range of data2> average(Close of
data2,FiltroTendencia) * 0.01 then
                        Plot2( Low, !("Filtro1 Shrt") )
                Else
                        Noplot(2);
        Case 8:
                if NarrowRange(4) of Data2 then
                        Plot1( High, !("Filtro1 Lng") )
                Else
                        Noplot(1);
                if NarrowRange(4) of Data2 then
                        Plot2( Low, !("Filtro1 Shrt") )
                Else
                        Noplot(2);
        Case 9:
                if NarrowRange(7) of Data2 then
                        Plot1( High, !("Filtro1 Lng") )
                Else
                        Noplot(1);
                if NarrowRange(7) of Data2 then
                        Plot2( Low, !("Filtro1 Shrt") )
                Else
                        Noplot(2);
        Case 10:
                if not(NarrowRange(4) of Data2) then
                        Plot1( High, !("Filtro1 Lng") )
                Else
                        Noplot(1);
                if not(NarrowRange(4) of Data2) then
                        Plot2( Low, !("Filtro1 Shrt") )
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                Else
                        Noplot(2);
        Case 11:
                if not(NarrowRange(7) of Data2) then
                        Plot1( High, !("Filtro1 Lng") )
                Else
                        Noplot(1);
                if not(NarrowRange(7) of Data2) then
                        Plot2( Low, !("Filtro1 Shrt") )
                Else
                        Noplot(2);
        Case 12:
                if NarrowRange(4) of Data2 and Close of data2 > average(Close of
data2, FiltroTendencia) then
                        Plot1( High, !("Filtro1 Lng") )
                Else
                        Noplot(1);
                if NarrowRange(4) of Data2 and Close of data2 < average(Close of
data2, FiltroTendencia) then
                        Plot2( Low, !("Filtro1 Shrt") )
                Else
                        Noplot(2);
        Case 13:
                if NarrowRange(4) of Data2 and range of data2 > average(Close of
data2,FiltroTendencia) * 0.01 then
                        Plot1( High, !("Filtro1 Lng") )
                Else
                        Noplot(1);
                if NarrowRange(4) of Data2 and range of data2 > average(Close of
data2,FiltroTendencia) * 0.01 then
                        Plot2( Low, !("Filtro1 Shrt") )
                Else
                        Noplot(2);
        Case 14:
                if NarrowRange(7) of Data2 and Close of data2 > average(Close of
data2, FiltroTendencia) then
                        Plot1( High, !("Filtro1 Lng") )
                Else
                        Noplot(1);
                if NarrowRange(7) of Data2 and Close of data2 < average(Close of
data2, FiltroTendencia) then
                        Plot2( Low, !("Filtro1 Shrt") )
                Else
                        Noplot(2);
        Case 15:
                if NarrowRange(7) of Data2 and range of data2 > average(Close of
data2,FiltroTendencia) * 0.01 then
                        Plot1( High, !("Filtro1 Lng") )
                Else
                        Noplot(1);
                if NarrowRange(7) of Data2 and range of data2 > average(Close of
data2,FiltroTendencia) * 0.01 then
                        Plot2( Low, !("Filtro1 Shrt") )
                Else
                        Noplot(2);
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        Case 16:
                if Close of data2 < Open of data2 and range of data2 > average(Close
of data2,FiltroTendencia) * 0.01 then
                        Plot1( High, !("Filtro1 Lng") )
                Else
                        Noplot(1);
                if Close of data2 > Open of data2 and range of data2 > average(Close
of data2,FiltroTendencia) * 0.01 then
                        Plot2( Low, !("Filtro1 Shrt") )
                Else
                        Noplot(2);
        Case 17:
                if NarrowRange(4) of Data2 then
                        Plot1( High, !("Filtro1 Lng") )
                Else
                        Noplot(1);
                if NarrowRange(4) of Data2 then
                        Plot2( Low, !("Filtro1 Shrt") )
                Else
                        Noplot(2);
        Case 18:
                if NarrowRange(7) of Data2 then
                        Plot1( High, !("Filtro1 Lng") )
                Else
                        Noplot(1);
                if NarrowRange(7) of Data2 then
                        Plot2( Low, !("Filtro1 Shrt") )
                Else
                        Noplot(2);
        Case 19:
                if Close of data2 > average(Close of data2, FiltroTendencia) and
range of data2 > average(Close of data2,FiltroTendencia) * 0.01 then
                        Plot1( High, !("Filtro1 Lng") )
                Else
                        Noplot(1);
                if Close of data2 < average(Close of data2, FiltroTendencia) and
range of data2 > average(Close of data2,FiltroTendencia) * 0.01 then
                        Plot2( Low, !("Filtro1 Shrt") )
                Else
                        Noplot(2);

end;
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