

// This Pine Script® code is subject to the terms of the Mozilla Public License 2.0 at
<https://mozilla.org/MPL/2.0/>

//@version=6

indicator('Universal MFB - Flow/Sweep/FVG-123 Setup', overlay = true, max_labels_count =
500, max_lines_count = 500)

// --- Group Name: FVG Settings ---

fvg_max_age = input.int(100, 'Max FVG Age (Bars)', minval = 1, group = 'FVG Settings',
tooltip = 'Only consider FVGs created within this many bars. Helps avoid "historical" FVG
signals.')

fvg_min_width = input.float(0, 'Min FVG Width (Ticks)', minval = 0, group = 'FVG Settings',
tooltip = 'Minimum size of the FVG in ticks to be considered valid.')

priming_lookback = input.int(30, 'Level Touch Lookback', minval = 1, group = 'Logic
Settings', tooltip = 'How many bars the "Level Touch" remains active before resetting.
Prevents signals from very old level sweeps.')

// --- Group Name: Display Settings ---

show_dots_1h = input.bool(true, 'Show Intention Dots on 1h Chart', group = 'Display
Settings', tooltip = 'Displays purple dots on the 1h chart when price breaches key levels.')

show_dots_30m = input.bool(true, 'Show Intention Dots on 30m Chart', group = 'Display
Settings', tooltip = 'Displays purple dots on the 30m chart when price breaches key levels.')

show_dots_15m = input.bool(true, 'Show Intention Dots on 15m Chart', group = 'Display
Settings', tooltip = 'Displays purple dots on the 15m chart when price breaches key levels.')

show_dots_5m = input.bool(true, 'Show Intention Dots on 5m Chart', group = 'Display
Settings', tooltip = 'Displays purple dots on the 5m chart when price breaches key levels.')

show_dots_1m = input.bool(false, 'Show Intention Dots on 1m Chart', group = 'Display
Settings', tooltip = 'Displays purple dots on the 1m chart when the 5m interval ends and a
breach occurred.')

show_levels = input.bool(false, 'Show Key Levels (PDH/PDL/etc.)', group = 'Display
Settings', tooltip = 'Toggles the visibility of PDH, PDL, and other session levels.')

```
show_labels = input.bool(true, 'Show Entry Labels', group = 'Display Settings', tooltip = 'Toggles the visibility of the "Chd" and "FVG-123" setup labels.')
```

```
entry_line_width = input.int(2, 'Trade Entry Line Width', minval = 1, maxval = 10, group = 'Display Settings', tooltip = 'Adjusts the thickness of the trade entry, stop loss, and take profit lines.')
```

```
// --- Group Name: Levels Settings ---
```

```
pdh_color = input.color(color.new(#ab47bc, 30), 'PDH/PDL Color', group = 'Levels Settings', inline = 'd')
```

```
pwh_color = input.color(color.new(#5b9cf6, 30), 'PWH/PWL Color', group = 'Levels Settings', inline = 'w')
```

```
sess_color = input.color(color.new(color.gray, 50), 'Session Levels Color', group = 'Levels Settings', inline = 's')
```

```
// =====
```

```
// 🕒 Levels Logic
```

```
// =====
```

```
is_in_sess(s) => not na(time('D', s, 'America/New_York'))
```

```
is_new_b(s) =>
```

```
    t = time('D', s, 'America/New_York')
```

```
    na(t[1]) and not na(t) or t[1] < t
```

```
get_bounds(s) =>
```

```
    var float h = na
```

```
    var float l = na
```

```
    // Reset levels at start of new daily session to clear previous day's data
```

```
    if ta.change(time('D', 'America/New_York')) != 0
```

```
        h := na
```

```

    l := na
  if is_in_sess(s)
    new_bar = is_new_b(s)
    l := new_bar ? low : na(l) ? low : math.min(l, low)
    h := new_bar ? high : na(h) ? high : math.max(h, high)
  [h, l]

[ash, asl] = get_bounds('1800-0000')
[loh, lol] = get_bounds('0000-0600')
[o15h, o15l] = get_bounds('0930-0945')
[o30h, o30l] = get_bounds('0930-1000')
[o1hh, o1hl] = get_bounds('0930-1030')

// Use lookahead_on for HTF levels to get the value available at the start of the current bar
pdh = request.security(syminfo.tickerid, 'D', high[1], lookahead = barmerge.lookahead_on)
pdl = request.security(syminfo.tickerid, 'D', low[1], lookahead = barmerge.lookahead_on)
pwh = request.security(syminfo.tickerid, 'W', high[1], lookahead = barmerge.lookahead_on)
pwl = request.security(syminfo.tickerid, 'W', low[1], lookahead = barmerge.lookahead_on)

// Silver Bullet Times
lon_sb = '0300-0400'
ny_am_sb = '1000-1100'
ny_pm_sb = '1400-1500'

is_sb_time = not na(time('D', lon_sb, 'America/New_York')) or not na(time('D', ny_am_sb,
'America/New_York')) or not na(time('D', ny_pm_sb, 'America/New_York'))

```

```
// --- Plot Levels (Matching Image Style) ---
```

```
pdh_plot = ta.change(time('D')) != 0 ? na : pdh
```

```
pdl_plot = ta.change(time('D')) != 0 ? na : pdl
```

```
pwh_plot = ta.change(time('W')) != 0 ? na : pwh
```

```
pwl_plot = ta.change(time('W')) != 0 ? na : pwl
```

```
plot(show_levels ? pdh_plot : na, 'PDH', color = pdh_color, style = plot.style_linebr,  
linewidth = 2)
```

```
plot(show_levels ? pdl_plot : na, 'PDL', color = pdh_color, style = plot.style_linebr, linewidth  
= 2)
```

```
plot(show_levels ? pwh_plot : na, 'PWH', color = pwh_color, style = plot.style_linebr,  
linewidth = 2)
```

```
plot(show_levels ? pwl_plot : na, 'PWL', color = pwh_color, style = plot.style_linebr,  
linewidth = 2)
```

```
plot(show_levels ? ash : na, 'Asian High', color = sess_color, style = plot.style_linebr)
```

```
plot(show_levels ? asl : na, 'Asian Low', color = sess_color, style = plot.style_linebr)
```

```
plot(show_levels ? loh : na, 'London High', color = sess_color, style = plot.style_linebr)
```

```
plot(show_levels ? lol : na, 'London Low', color = sess_color, style = plot.style_linebr)
```

```
plot(show_levels ? o15h : na, '9:30 Open High', color = sess_color, style = plot.style_linebr)
```

```
plot(show_levels ? o15l : na, '9:30 Open Low', color = sess_color, style = plot.style_linebr)
```

```
plot(show_levels ? o30h : na, '10:00 Open High', color = sess_color, style = plot.style_linebr)
```

```
plot(show_levels ? o30l : na, '10:00 Open Low', color = sess_color, style = plot.style_linebr)
```

```
plot(show_levels ? o1hh : na, '10:30 Open High', color = sess_color, style =  
plot.style_linebr)
```

```
plot(show_levels ? o1hl : na, '10:30 Open Low', color = sess_color, style = plot.style_linebr)
```

```

// Labeling levels on the right
var label lbl_pdh = na, var label lbl_pdl = na, var label lbl_pwh = na, var label lbl_pwl = na
if barstate.islast and show_levels

    label.delete(lbl_pdh), label.delete(lbl_pdl), label.delete(lbl_pwh), label.delete(lbl_pwl)

    lbl_pdh := label.new(bar_index + 2, pdh, "PDH", color = #00000000, textcolor = pdh_color,
style = label.style_label_left, size = size.small)

    lbl_pdl := label.new(bar_index + 2, pdl, "PDL", color = #00000000, textcolor = pdh_color,
style = label.style_label_left, size = size.small)

    lbl_pwh := label.new(bar_index + 2, pwh, "PWH", color = #00000000, textcolor =
pwh_color, style = label.style_label_left, size = size.small)

    lbl_pwl := label.new(bar_index + 2, pwl, "PWL", color = #00000000, textcolor = pwh_color,
style = label.style_label_left, size = size.small)

// =====

// ⚡ Intention & Level Tracking

// =====

is1hChart = timeframe.isintraday and timeframe.multiplier == 60 and timeframe.isminutes

is30mChart = timeframe.isintraday and timeframe.multiplier == 30 and
timeframe.isminutes

is15mChart = timeframe.isintraday and timeframe.multiplier == 15 and
timeframe.isminutes

is5mChart = timeframe.isintraday and timeframe.multiplier == 5 and timeframe.isminutes

is3mChart = timeframe.isintraday and timeframe.multiplier == 3 and timeframe.isminutes

is1mChart = timeframe.isintraday and timeframe.multiplier == 1 and timeframe.isminutes

cross1 = ta.crossover(close, pdh)
cross2 = ta.crossover(close, ash)
cross3 = ta.crossover(close, loh)

```

```
cross4 = ta.crossover(close, o15h)
cross5 = ta.crossover(close, pwh)
cross6 = ta.crossover(close, o30h)
cross7 = ta.crossover(close, o1hh)
breachBullLogic = cross1 or cross2 or cross3 or cross4 or cross5 or cross6 or cross7
```

```
under1 = ta.crossunder(close, pdl)
under2 = ta.crossunder(close, asl)
under3 = ta.crossunder(close, lol)
under4 = ta.crossunder(close, o15l)
under5 = ta.crossunder(close, pwl)
under6 = ta.crossunder(close, o30l)
under7 = ta.crossunder(close, o1hl)
breachBearLogic = under1 or under2 or under3 or under4 or under5 or under6 or under7
```

```
var int lastBullBreachBar = na
var int lastBearBreachBar = na
if breachBullLogic
    lastBullBreachBar := bar_index
if breachBearLogic
    lastBearBreachBar := bar_index
```

```
[breachBull5m, breachBear5m] = request.security(syminfo.tickerid, "5", [breachBullLogic,
breachBearLogic])
```

```
is_5m_end = ta.change(time("5")) != 0
```

```
plotBullDot = (is1hChart and show_dots_1h and breachBullLogic) or
              (is30mChart and show_dots_30m and breachBullLogic) or
              (is15mChart and show_dots_15m and breachBullLogic) or
              (is5mChart and show_dots_5m and breachBullLogic) or
              ((is1mChart or is3mChart) and show_dots_1m and is_5m_end and breachBull5m)
```

```
plotBearDot = (is1hChart and show_dots_1h and breachBearLogic) or
              (is30mChart and show_dots_30m and breachBearLogic) or
              (is15mChart and show_dots_15m and breachBearLogic) or
              (is5mChart and show_dots_5m and breachBearLogic) or
              ((is1mChart or is3mChart) and show_dots_1m and is_5m_end and breachBear5m)
```

```
plotshape(plotBullDot, title="Bullish Breakout Dot", style=shape.circle,
location=location.belowbar, color=color.purple, size=size.tiny)
```

```
plotshape(plotBearDot, title="Bearish Breakout Dot", style=shape.circle,
location=location.abovebar, color=color.purple, size=size.tiny)
```

```
var bool touchedHigh = false
```

```
var bool touchedLow = false
```

```
if high >= pdh or high >= ash or high >= loh or high >= o15h or high >= o30h or high >= o1hh
or high >= pwh
```

```
    touchedHigh := true
```

```
if low <= pdl or low <= asl or low <= lol or low <= o15l or low <= o30l or low <= o1hl or low <=
pwl
```

```
    touchedLow := true
```

```

// --- Priming Reset Logic ---

last_high_touch = ta.barssince(high >= pdh or high >= ash or high >= loh or high >= o15h or
high >= o30h or high >= o1hh or high >= pwh)

last_low_touch = ta.barssince(low <= pdl or low <= asl or low <= lol or low <= o15l or low <=
o30l or low <= o1hl or low <= pwl)

if not na(last_high_touch) and last_high_touch > priming_lookback
    touchedHigh := false

if not na(last_low_touch) and last_low_touch > priming_lookback
    touchedLow := false

// =====

// 💎 CHoCH & CISD (Ch'd) Logic

// =====

var float lastSwingHigh = na
var float lastSwingLow = na
ph = ta.pivohigh(high, 3, 3)
pl = ta.pivotlow(low, 3, 3)
if not na(ph)
    lastSwingHigh := ph
if not na(pl)
    lastSwingLow := pl

var float lastBearFVGTop = na
var float lastBullFVGBot = na
if high < low[2]

```

```

lastBearFVGTop := low[2]
if low > high[2]
    lastBullFVGBot := high[2]

// Event detection
bool CHoCH_Bull_Event = ta.crossover(close, lastSwingHigh)
bool CHoCH_Bear_Event = ta.crossunder(close, lastSwingLow)
bool CISD_Bull_Event = ta.crossover(close, lastBearFVGTop)
bool CISD_Bear_Event = ta.crossunder(close, lastBullFVGBot)

bool bullChd = (is1mChart or is3mChart) and touchedLow and (CHoCH_Bull_Event or
CISD_Bull_Event) and close > lastSwingHigh and close > lastBearFVGTop

bool bearChd = (is1mChart or is3mChart) and touchedHigh and (CHoCH_Bear_Event or
CISD_Bear_Event) and close < lastSwingLow and close < lastBullFVGBot

plotshape(show_labels and bullChd ? true : false, title="Bullish Ch'd", text="Ch'd",
style=shape.diamond, location=location.belowbar, color=#089981, textcolor=#089981,
size=size.small)

plotshape(show_labels and bearChd ? true : false, title="Bearish Ch'd", text="Ch'd",
style=shape.diamond, location=location.abovebar, color=#f23645, textcolor=#f23645,
size=size.small)

// Trigger dynamic alerts
if bullChd
    alert("Universal MFB - Bullish Ch'd trade entry confirmation on " + syminfo.ticker,
alert.freq_once_per_bar_close)
if bearChd

```

```
    alert("Universal MFB - Bearish Ch'd trade entry confirmation on " + syminfo.ticker,
alert.freq_once_per_bar_close)
```

```
var bool chd_bull_active = false
```

```
var bool chd_bear_active = false
```

```
if bullChd
```

```
    chd_bull_active := true
```

```
    touchedLow    := false
```

```
if bearChd
```

```
    chd_bear_active := true
```

```
    touchedHigh   := false
```

```
// =====
```

```
// 🌟 5m CISD (Sweep) Logic for Gold
```

```
// =====
```

```
var float displaced_high_level = na
```

```
var float displaced_high_low  = na
```

```
var bool is_high_displaced   = false
```

```
var float displaced_low_level = na
```

```
var float displaced_low_high  = na
```

```
var bool is_low_displaced    = false
```

```
var int displaced_high_bar = na
```

```
var int displaced_low_bar  = na
```

if is5mChart

if breachBullLogic

float breached_lvl = na

if ta.crossover(close, pdh)

breached_lvl := math.max(nz(breached_lvl), pdh)

if ta.crossover(close, pwh)

breached_lvl := math.max(nz(breached_lvl), pwh)

if ta.crossover(close, ash)

breached_lvl := math.max(nz(breached_lvl), ash)

if ta.crossover(close, loh)

breached_lvl := math.max(nz(breached_lvl), loh)

if ta.crossover(close, o15h)

breached_lvl := math.max(nz(breached_lvl), o15h)

if ta.crossover(close, o30h)

breached_lvl := math.max(nz(breached_lvl), o30h)

if ta.crossover(close, o1hh)

breached_lvl := math.max(nz(breached_lvl), o1hh)

is_high_displaced := true

displaced_high_level := breached_lvl

displaced_high_low := low

displaced_high_bar := bar_index

if breachBearLogic

float breached_lvl = na

```

if ta.crossunder(close, pdl)
    breached_lvl := na(breached_lvl) ? pdl : math.min(breached_lvl, pdl)
if ta.crossunder(close, pwl)
    breached_lvl := na(breached_lvl) ? pwl : math.min(breached_lvl, pwl)
if ta.crossunder(close, asl)
    breached_lvl := na(breached_lvl) ? asl : math.min(breached_lvl, asl)
if ta.crossunder(close, lol)
    breached_lvl := na(breached_lvl) ? lol : math.min(breached_lvl, lol)
if ta.crossunder(close, o15l)
    breached_lvl := na(breached_lvl) ? o15l : math.min(breached_lvl, o15l)
if ta.crossunder(close, o30l)
    breached_lvl := na(breached_lvl) ? o30l : math.min(breached_lvl, o30l)
if ta.crossunder(close, o1hl)
    breached_lvl := na(breached_lvl) ? o1hl : math.min(breached_lvl, o1hl)

```

```

is_low_displaced := true
displaced_low_level := breached_lvl
displaced_low_high := high
displaced_low_bar := bar_index

```

```

if is5mChart

```

```

    // Reset if we go too far without a CISD

```

```

    if is_high_displaced and close > displaced_high_level and low > displaced_high_low and
bar_index - displaced_high_bar > 10

```

```

        is_high_displaced := false

```

```

    if is_low_displaced and close < displaced_low_level and high < displaced_low_high and
bar_index - displaced_low_bar > 10

```

```
is_low_displaced := false
```

```
bool bear_5m_cisd = is5mChart and is_high_displaced and close < displaced_high_level  
and close < displaced_high_low
```

```
bool bull_5m_cisd = is5mChart and is_low_displaced and close > displaced_low_level and  
close > displaced_low_high
```

```
if bear_5m_cisd
```

```
    is_high_displaced := false
```

```
    alert("Universal MFB - 5m Bearish CISD detected on " + syminfo.ticker,  
alert.freq_once_per_bar_close)
```

```
    if show_labels
```

```
        float ep = close
```

```
        float sl = high
```

```
        float r = math.abs(sl - ep)
```

```
        float tp1 = ep - r
```

```
        float tp2 = ep - (r * 2)
```

```
        line.new(bar_index, ep, bar_index + 10, ep, color = #5b9cf6, style = line.style_dotted,  
width = entry_line_width)
```

```
        line.new(bar_index, sl, bar_index + 10, sl, color = #f23645, style = line.style_dotted,  
width = entry_line_width)
```

```
        line.new(bar_index, tp1, bar_index + 10, tp1, color = #089981, style = line.style_dotted,  
width = entry_line_width)
```

```
        line.new(bar_index, tp2, bar_index + 10, tp2, color = #089981, style = line.style_dotted,  
width = entry_line_width)
```

```
if bull_5m_cisd
```

```
    is_low_displaced := false
```

```

    alert("Universal MFB - 5m Bullish CISD detected on " + syminfo.ticker,
alert.freq_once_per_bar_close)

if show_labels

    float ep = close

    float sl = low

    float r = math.abs(ep - sl)

    float tp1 = ep + r

    float tp2 = ep + (r * 2)

    line.new(bar_index, ep, bar_index + 10, ep, color = #5b9cf6, style = line.style_dotted,
width = entry_line_width)

    line.new(bar_index, sl, bar_index + 10, sl, color = #f23645, style = line.style_dotted,
width = entry_line_width)

    line.new(bar_index, tp1, bar_index + 10, tp1, color = #089981, style = line.style_dotted,
width = entry_line_width)

    line.new(bar_index, tp2, bar_index + 10, tp2, color = #089981, style = line.style_dotted,
width = entry_line_width)

plotshape(show_labels and bear_5m_cisd ? true : false, title="5m Bearish CISD",
text="CISD", style=shape.labeldown, location=location.abovebar, color=#f23645,
textcolor=color.white, size=size.small)

plotshape(show_labels and bull_5m_cisd ? true : false, title="5m Bullish CISD",
text="CISD", style=shape.labelup, location=location.belowbar, color=#089981,
textcolor=color.white, size=size.small)

// =====

// ✨ FVG-123 Logic (Optimized with UDT)

// =====

type FVG

    float top

```

```

float bottom
bool isBull
bool active
int createdBar
bool touched
bool done
int lastTouchBar

var fvgArray = array.new<FVG>()

if bar_index >= 2
    if low > high[2]
        array.push(fvgArray, FVG.new(low, high[2], true, true, bar_index, false, false, na))
    if high < low[2]
        array.push(fvgArray, FVG.new(low[2], high, false, true, bar_index, false, false, na))

// Memory Management: Keep array size reasonable
if array.size(fvgArray) > 100
    array.shift(fvgArray)

var table setupTable = table.new(position.bottom_right, 1, 1, bgcolor =
color.new(color.black, 70), border_width = 1, border_color = color.gray)
atr = ta.atr(14)
var string lastIntention = ""
if breachBullLogic
    lastIntention := "Bullish"

```

else if breachBearLogic

lastIntention := "Bearish"

bool fvg123SetupDetected = false

bool keyLevelResponseDetected = false

if array.size(fvgArray) > 0

for i = array.size(fvgArray) - 1 to 0

fvgObj = array.get(fvgArray, i)

if fvgObj.active

if (fvgObj.isBull ? low <= fvgObj.bottom : high >= fvgObj.top)

fvgObj.active := false

fvgObj.done := true

if not fvgObj.done

afterP = bar_index > fvgObj.createdBar

if afterP and (high >= fvgObj.bottom) and (low <= fvgObj.top) and (fvgObj.isBull ?
close >= fvgObj.bottom : close <= fvgObj.top)

fvgObj.touched := true

fvgObj.lastTouchBar := bar_index

if afterP and ((not fvgObj.isBull and close > fvgObj.top) or (fvgObj.isBull and close <
fvgObj.bottom))

fvgObj.done := true

haveT = fvgObj.touched and not na(fvgObj.lastTouchBar) and bar_index >
fvgObj.lastTouchBar and afterP

```
if (fvgObj.isBull and haveT and close > fvgObj.top) or (not fvgObj.isBull and haveT
and close < fvgObj.bottom)
```

```
// --- Logic Refinement ---
```

```
bool is_flow_setup = fvgObj.isBull ? (lastIntention == "Bullish") : (lastIntention ==
"Bearish")
```

```
bool is_sweep_setup = fvgObj.isBull ? (lastIntention == "Bearish") : (lastIntention
== "Bullish")
```

```
bool is_acceptance_setup = fvgObj.isBull ? (not na(lastBullBreachBar) and
bar_index - lastBullBreachBar <= 10) : (not na(lastBearBreachBar) and bar_index -
lastBearBreachBar <= 10)
```

```
// A bull setup is engaged if:
```

```
// 1. We are in "Flow" and recently touched a High level (continuation)
```

```
// 2. We are in "Sweep" and recently touched a Low level (reversal)
```

```
// 3. A Ch'd event occurred
```

```
// 4. We pushed beyond a key level (Acceptance)
```

```
bool flowEngaged = fvgObj.isBull ? ((is_flow_setup and touchedHigh)) :
((is_flow_setup and touchedLow))
```

```
bool sweepEngaged = fvgObj.isBull ? ((is_sweep_setup and touchedLow) or low
<= pdl or low <= asl or low <= lol) : ((is_sweep_setup and touchedHigh) or high >= pdh or
high >= ash or high >= loh)
```

```
// Filter: Age and Width
```

```
bool fvg_valid = (bar_index - fvgObj.createdBar <= fvg_max_age) and
```

```
(math.abs(fvgObj.top - fvgObj.bottom) / syminfo.mintick >= fvg_min_width)
```

```

if fvg_valid and barstate.isconfirmed
    fvg123SetupDetected := true
    if is_acceptance_setup or sweepEngaged or flowEngaged
        keyLevelResponseDetected := true
    float ep = close
    float sl = fvgObj.isBull ? fvgObj.bottom - syminfo.mintick : fvgObj.top +
syminfo.mintick
    float r = math.abs(ep - sl)
    float tp = fvgObj.isBull ? ep + (r * 2) : ep - (r * 2)

    color text_col = #5b9cf6
    string promptBase = "FVG-123"
    if is_acceptance_setup
        promptBase := "Acceptance"
    else if sweepEngaged
        promptBase := "Sweep"
    else if flowEngaged
        promptBase := "Flow"
    float textY = fvgObj.isBull ? low - atr * 2.8 : high + atr * 2.8

    if show_labels
        label.new(bar_index, textY, promptBase + (fvgObj.isBull ? " ▲" : " ▼"), color =
#00000000, textcolor = text_col, style = fvgObj.isBull ? label.style_label_up :
label.style_label_down, size = size.normal)
        line.new(bar_index, ep, bar_index + 10, ep, color = #5b9cf6, style =
line.style_dotted, width = entry_line_width)

```

```
        line.new(bar_index, sl, bar_index + 10, sl, color = #f23645, style =
line.style_dotted, width = entry_line_width)
```

```
        line.new(bar_index, tp, bar_index + 10, tp, color = #089981, style =
line.style_dotted, width = entry_line_width)
```

```
        table.cell(setupTable, 0, 0, "Most Recent: " + promptBase, text_color = text_col,
text_size = size.normal)
```

```
        alert(promptBase + " trade entry confirmation on " + syminfo.ticker,
alert.freq_once_per_bar_close)
```

```
        touchedHigh := false
```

```
        touchedLow := false
```

```
        chd_bull_active := false
```

```
        chd_bear_active := false
```

```
        fvgObj.done := true
```

```
if not (timeframe.isintraday and (timeframe.multiplier == 1 or timeframe.multiplier == 3 or
timeframe.multiplier == 5 or timeframe.multiplier == 15 or timeframe.multiplier == 30 or
timeframe.multiplier == 60)) and barstate.islast
```

```
    runtime.error("Designed for 1m, 3m, 5m, 15m, 30m, and 1h only.")
```

```
// =====
```

```
// 📢 Alerts
```

```
// =====
```

```
alertcondition(fvg123SetupDetected, "Universal MFB entry", "Universal MFB trade entry
confirmation on {{ticker}}")
```

alertcondition(bullChd, "Bullish Ch'd", "Bullish Change of Character / CISD detected on {{ticker}}")

alertcondition(bearChd, "Bearish Ch'd", "Bearish Change of Character / CISD detected on {{ticker}}")

alertcondition(fvg123SetupDetected, "FVG-123 Setup", "New FVG-123 Setup confirmed on {{ticker}}")

alertcondition(bull_5m_cisd, "5m Bullish CISD", "5m Bullish CISD detected on {{ticker}}")

alertcondition(bear_5m_cisd, "5m Bearish CISD", "5m Bearish CISD detected on {{ticker}}")

alertcondition(keyLevelResponseDetected, "Any Key Level Response", "Key Level Response (Acceptance/Sweep/Flow) confirmed on {{ticker}}")