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// This source code is subject to the terms of the Mozilla Public License 2.0 at
https://mozilla.org/MPL/2.0/
// @etfmaxx

//@version=5
indicator(title = "PercentR", shorttitle = "PercentR", overlay = false,
precision = 2)

PercentR(int _numBars) =>
    _pctrhh = ta.highest(high,_numBars)
    _pctrll = ta.lowest (low ,_numBars)
    _pctr   = 100 * (close - _pctrll) / (_pctrhh - _pctrll)

_iPctRBars          = input.int  (group = "PctR", title = "Number of bars
used", defval = 4, minval = 2, maxval = 100)
_iOverboughtThreshold = input.float(group = "PctR", title = "Overbought
Threshold", defval = 75, minval = 10, maxval = 100)
_iOversoldThreshold   = input.float(group = "PctR", title = "Oversold Threshold"
, defval = 25, minval = 0, maxval = 90)

// Calculate the PercentR
_pctr   = PercentR(_iPctRBars)
_pctr88 = PercentR(88)

plot(_pctr, title = "PercentR" , color = #000000, linewidth = 2)
hline(_iOverboughtThreshold , color = #ff0000, linewidth = 2,
linestyle = hline.style_solid)
hline(_iOversoldThreshold   , color = #00c000, linewidth = 2,
linestyle = hline.style_solid)

```