**EA based on median renko**

***The idea of the EA is to bet on an UP bar after a “DOWN+UP” pattern and to bet on a DOWN bar after a “UP+DOWN” pattern. If I lost my bet, the EA has to adapt the next Lot to recover the loss. For instance, after a “DOWN+UP” if it’s follow by a “DOWN” then bet “DOWN” for the next bar with a correct Lot size.***

***It’s not usual Renko so it will not be a classical Martingale. If the shift of the median Renko is only 10% with a 100pip size renko bar then if win I get 10 pips if I lost then its -110 pips.***

***I build the median renko bar with this indicator “! MTH Composite Currency Renko Chart Builder Indi v01“. The shift and the size of the Renko can change so the EA has to detect the size of a bar and the shift.***

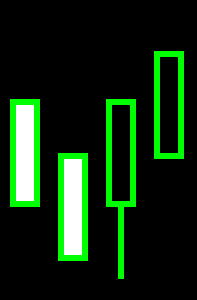
***Input for the EA : stats visible ( Y/N ) and Initial Lot ( 1.0 by default )***

**BUY rule: after a “DOWN+UP” pattern bars then BUY order at the open of the new bar**

Stop profit: the close of the bar. If the bar close as an UP BAR then because it is a median renko, the profit will only be a fraction of the bar (Close[i] - Close[i+1] = PROFIT)

Stop loss: the close of the bar. If the bar close as an DOWN BAR then because it is a median renko, the loss will be a lot bigger than the profit (Close[i] - Close[i+1] = LOSS)

* Then open a SELL order but adapt the Lot to recover the loss of the previous order. Not a classic Martingale because the odd is not 50/50.



Trigger to BUY

Stop profit

Open BUY

Stop loss

**SELL rule: after a “UP+DOWN” pattern bars then SELL order at the open of the new bar**

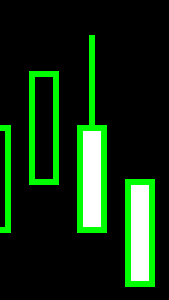
Stop profit: the close of the bar. If the bar close as a DOWN BAR then because it is a median renko, the profit will only be a fraction of the bar (Close[i+1]- Close[i] = PROFIT)

Stop loss: the close of the bar. If the bar close as an UP BAR then because it is a median renko, the loss will be a lot bigger than the profit (Close[i+1] - Close[i] = LOSS)

* Then open a UP order but adapt the Lot to recover the loss of the previous order. Not a classic Martingale because the odd is not 50/50.

Trigger to SELL

Stop loss



Open SELL

Stop profit

**Statistics part ( visible or not in the input and it can work in offline mode )**

* Count total BARS | Size of a BAR | Size Profit | Size loss *( Example: 50000 | 100 pips | 10 pips | -110 pips )*
* Count potential trade *(how many “UP+DOWN” or “DOWN+UP” happened)*
* -----------------------------------------------------------------------------------------------------------------
* “BAR + 1”
* -----------------------------------------------------------------------------------------------------------------
* Count success trade at bar + 1 (“UP+DOWN+DOWN” or “DOWN+UP+UP” happened) | % of the potential trade
* Count losing trade at bar + 1 (“UP+DOWN+UP” or “DOWN+UP+DOWN” happened) | % of the potential trade
* For a losing trade = pips lost | how many lots to recover for the next entry | cash needed for the next entry | margin need for the next entry
* -----------------------------------------------------------------------------------------------------------------
* “BAR + 2” (after a losing trade at bar +1 )
* -----------------------------------------------------------------------------------------------------------------
* Count success trade at bar + 2 (“UP+DOWN+UP+UP” or “DOWN+UP+DOWN+DOWN” happened) | % of the potential trade
* Count losing trade at bar + 2 (“UP+DOWN+UP+DOWN” or “DOWN+UP+DOWN+UP” happened) | % of the potential trade
* For a losing trade = pips lost | how many lots to recover for the next entry | cash needed for the next entry| margin need for the next entry
* -----------------------------------------------------------------------------------------------------------------
* “BAR + 3” (after a losing trade at bar +2 )
* -----------------------------------------------------------------------------------------------------------------
* Count success trade at bar + 3 (“UP+DOWN+UP+DOWN+DOWN” or “DOWN+UP+DOWN+UP+UP” happened) | % of the potential trade
* Count losing trade at bar + 3 (“UP+DOWN+UP+DOWN+UP” or “DOWN+UP+DOWN+UP+DOWN” happened) | % of the potential trade
* For a losing trade = pips lost | how many lots to recover for the next entry | cash needed for the next entry| margin need for the next entry
* -----------------------------------------------------------------------------------------------------------------