

11 July 2019

This document version supersedes all previous by same name!

Original v1 EA source code (4,600 lines of code but not all used), include files, non standard Indicators.

This strategy is profitable in manual, It is challenging to code and requires attention to detail, a pre-emptive approach to understand logic before coding it. It's requirement to check your own work against logic and to ensure it's bug free before any submission. The goal is to have EA operational without bugs, operational from 1 file presented in 1 file for ease for end user. If the below is acceptable and you can deliver according to this docs; I welcome your offer and progress. This project entails creating new EA **TechMonegise v2.09** from existing **TechMonegise v2.08** (4.6.19) that has been supplied. Summarised specifications as follows: Eliminate ALL Rules 1-21, Use rule 22 code supplied, create from new rule 23 and 24 and use RA code supplied (but edit/improve to account for new rules), fixing any bugs including those listed in note XXI. Green text reflects variables and their values. Executing the below deems the developers acceptance of terms within this document. Future project will be to complete Rules B-H.

Important Note:

I) Strategy is made up of 24 numerical signal rules and system rules in letters (A-H). Based on 17 indicators:

Norbert 60 seconds (ADX), Volume Divergence Markers, Gap Finder 01 (same settings can be used for all GF Rules, so it can be listed in ea cross rule setting), VolumeMA, Tangoline_v1.2.mql4, PinbarDetector, MAB_TD_Sequential, iMA (Moving Average), PVT, Zone Trade_v2.4, Better Volume 1.4, Accumulation, CCwSF, AO Divergence, AIO Divergence (ATR), Bulls, ADX_Difference, Gator. These indicators must all be built in (internalised to EA, if they have not already been). Their source code has either already been, can be provided (some have been adapted). ALL are coded into EA supplied in attached zip.

This means we have source for all non standard indicators. Therefore EA should not need any non standard indicators to be installed to platform. Any indicator bugs (such as those alerted in note X) and their repair is part of fixing EA so it works as intended and is part of the agreed price for this whole v2 job. This job does not pay hourly rate, regardless of developer input. The agreed price is for correct, complete, functioning EA as specified in this document.

II) Before assignment of this project to developer. A voice speak through (not text) on skype by developer with shared screen as needed to explain in their own words each rule/strategy and their suggestions. If this is not possible they should provide written summary of ALL rules. This should pre-empt any mis-interpretation of the strategy rules and how they are programmed. Where text in this document has not been specific enough in detail and developer makes wrong assumption of requirement which makes the EA trade in an unintended manner. Then it is developers responsibility to make the correction as part of this job and it's price.

III) When all from Rule 22 to Rule A is completed (as specified in this doc) bug free (Fixing any bugs including those listed in note XXI, Coding R23/R24) \$400 will be paid into Developers MQL Acc.

Future job is for rule B - H. For \$600 on completion.

If developer does not complete and it's his fault in not delivering complete demo before 30 days and job has to go to arbitration he agrees to refund the 10% charged by MQL to paypal acc.

Project on basis that you can have "Private Use". But not for re creation (including re distribution, resale as EA, signals or code). All the exclusive creation, idea, copy rights to the ordered software assigned to the customer (personally and in reflected commercial entity i.e TechMonegy Ltd). So no reference to developer/contact details made on EA or in it's source code.

IV) Make it so that Strategy looks for setup/ make entries according to same rules/values, on all TF's between M1 and M30 (some to H1) simultaneously for pair EA is attached to chart for. Each rule R's 1-24 can occur on it's respectively stated TF's. Custom external Variables to be added to EA in green, with exact name in "inverted commas", with number after ":" that is the changeable value. Variables in EA should be organised/listed sequentially under sections titled with corresponding strategy rules specified in this document. E.g Rule 1 Variables, then Rule 2 Variables, etc. Any discussion should reference this document and EA variables must be same (if does not allow % then use percent) as in this document, e.g Variable "Max loss of open trades v bal <%"

V) Developer to provide bug free EX4 version of MT4 EA with source code and back test on 2 different pairs on completion. This is requested as I sometimes have trouble doing back test.

VI) Developer to provide detailed manual explaining each Variable/value. In case in the future I need to re visit, add more features. Also to ensure developers interpretation/definition of Variables is correct.

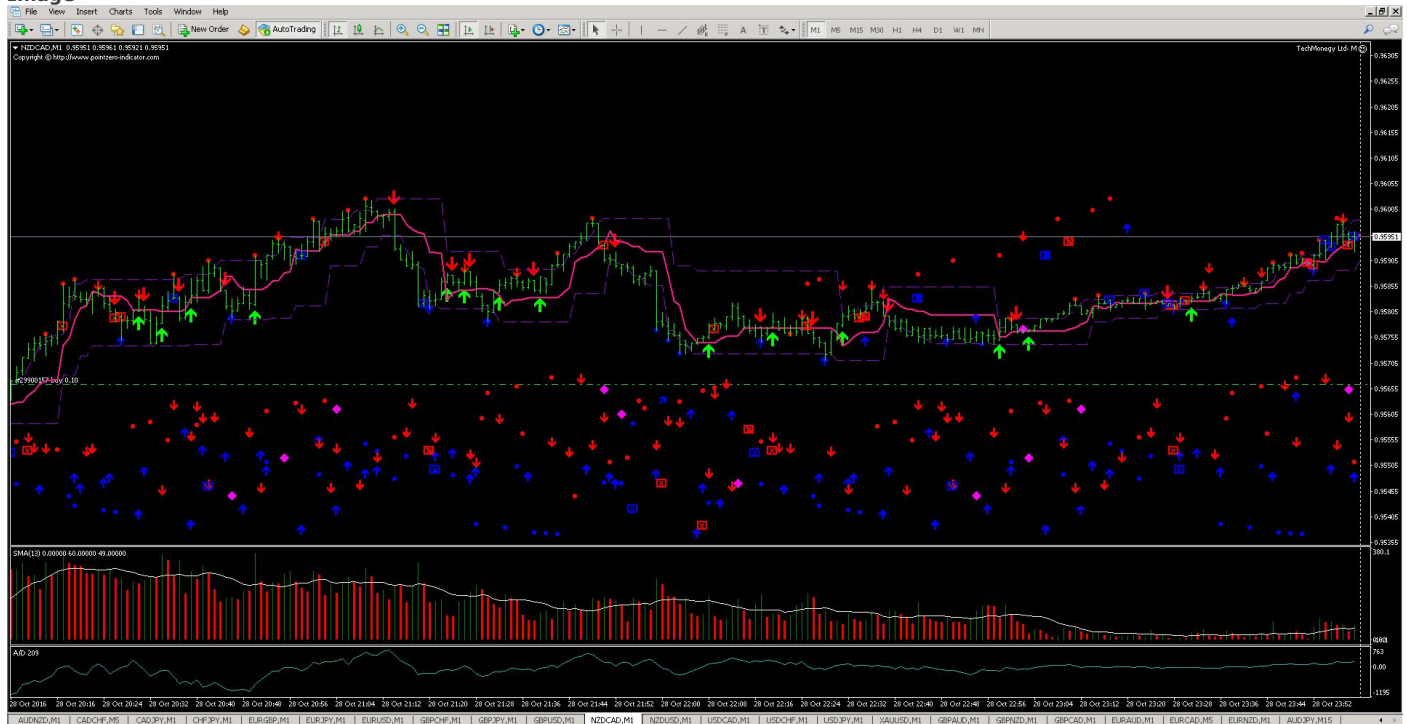
VII) As part of price pre agreed for project; developer agrees up to an additional 10% features/changes not specified in requirements. So e.g if 22 rules exist, 2 additional rules allowed.

VIII) All developers want to start from scratch. Here is interesting comment from one: "That will be more painful than making new one's. Your ea is using just a simple functions like in good old days of MQL. Modern approach is when you use OOP (structures, classes etc) so you don't need to repeat the code over and over again, declare hundreds of buffers for indicators etc. For example indicator can be done lik in your ea - where each indicator has its buffers filed separately, or it can be created as a class, where class defines the internal buffers and function. Then a class can be initialised like a pointed in INIT function (something similar like "handle" in mt5) and you just use it inside the code. That shortens the code by 1000 lines in your ea & also makes the whole logic less buggy." Is this how you propose to do!?

IX) Detail of expert should include; placing all of the necessary checks, error description to be printed in Journal, restore normal operation after a connection failure, add a few attempts to open a position with an error, and maybe something else - at your discretion. All exceptions should be handled. Should work on all markets with different brokers on real account, with different EA's (therefore have Variable: "Magic Number": 999). Critical errors, such as NOT_ENOUGH_MONEY, ACCOUNT_IS_DISABLED etc., will off course immediately stop the operation. After non-critical errors (REQUOTE, TRADE_CONTEXT_IS_BUSY etc.) the EA will try again (I think, 5 attempts with 250 ms interval).

X) R's 1-24 for Volume_Divergence_Markers and other indicators should not be identified by these error markings that appear regularly as can be seen in Image A. They appear away from the price. They tend to occur by themselves after a period and when dragging chart back in time. When trading manually, to correct markings I usually set chart to M5 then back to M1. This makes only the correct markings appear again in M1. **Can these error indicators (see in Image) be prevented from being counted as part of Rules 1-24? I've been informed:** Yes, it can. The reason for the bug - the developer hadn't made recalculation of the indicator buffers after history loading. It's a serious bug, but it won't cause EA errors, because the EA will always recalculate required indicator values.

Image



XI) EA should be designed to easily add more entry/indicator forming rules such as those in R's 1-24 .

XII) Each of the rules occurrence must be illustrated/stated in chart/journal markings. Along with an indicator which informs the state of rules in all TFs, so useful info can be gleaned e.g 3rd consecutive rule 1 occurred at better price.

XIII) EA must analyse according to [Global variables listed in Rule G.](#)

XIX) Optimize to lighten resource of EA. Ensure it will work on 25 pairs on 5 platforms on VPS. Including indicators recoding for recalculating all.

XV) Change respective values in blue including (Default Parameter Values). Check whole EA operates as stated in this document regardless of colour of text.

XVI) Misc:

-Note on platforms: mt5 is going to be a huge pain. I have found out few days ago why mt5 is so buggy, it has appeared that mt5 uses indicators asynchronously and in case of this ea imagine how big data leak my be.

-Change ALL reference to "EA VA" in Logs and their file names, on mouse arrow hover over signal on chart, in code etc to "TechMonegise©"

- Remember to change release date at top left corner in yellow text to correspond with date.

XVII) Fully test and debug EA. Provide instructions on how to change necessary variable values and license details from within source code then secure the .ex4 file so it can't be opened.

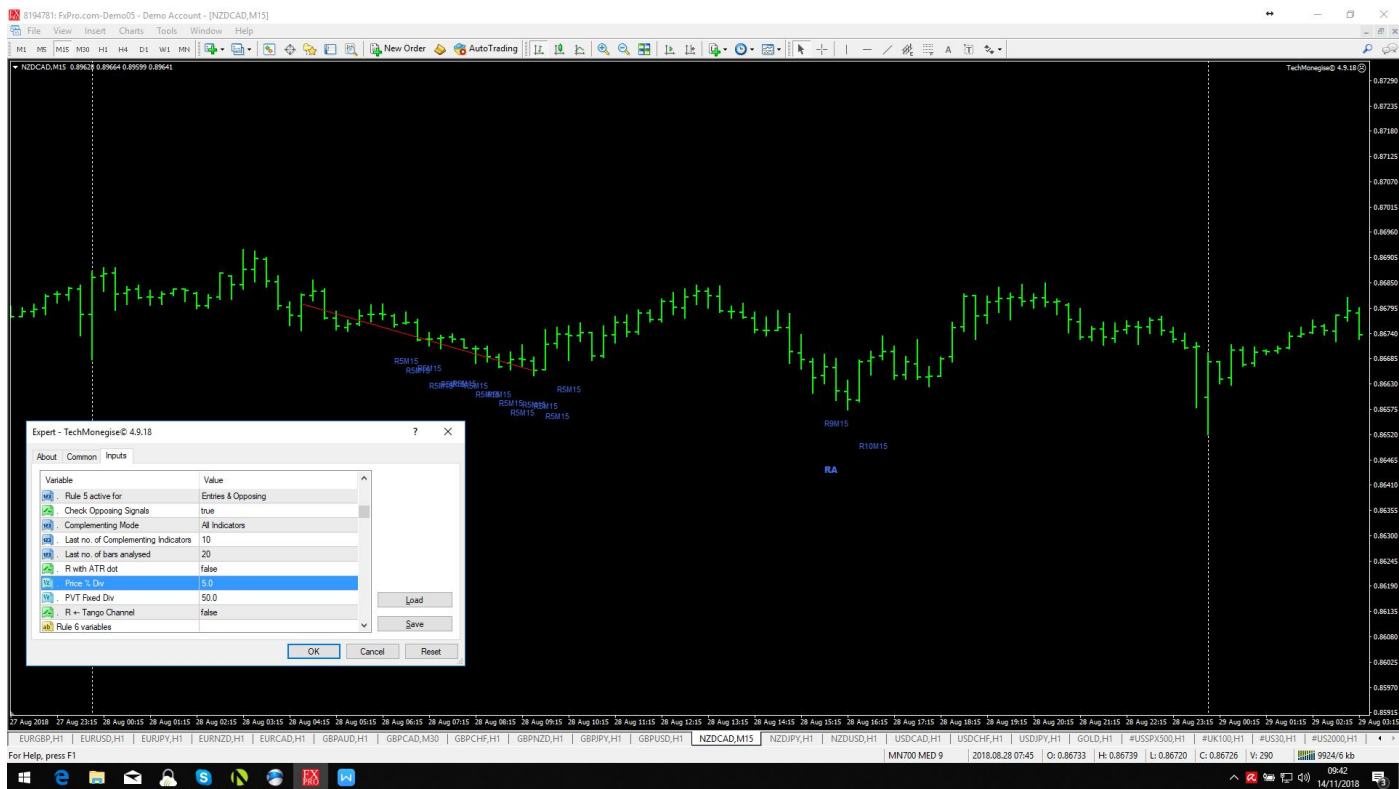
XVII) EA must be Operationally resilient so does not depend on external factors for it's functioning, e.g download on historic data for Look Back Days (with the need to load historic data, i.e if platform has no historic data downloaded, EA should just look from point ea was loaded!? Otherwise specify auto download of historic data task) or Summer Winter GMT offset with broker. Should work without manual intervention of user.

XIX) Any indicator causing bug error such as and including "2017.01.26 21:26:18.333 volume_divergence_markers GBPUSD,M15: array out of range in 'volume_divergence_markers.mq4' (102,48)" must be fixed as part of the price agreed for this job.

XX) The goal of this job is to have EA functioning as intended without hanging, freezing, bugs. It must be reliably trust worthy to wrk on real acc. EA must be independent and operationally resilient, not relying on so many external factors and peculiar nuances. Developer must focus on this rather than amount of work or hrs put in.

XXI) Here are known bugs to V2.08. Check and ensure they don't occur on TechMonegise© 4.6.19 V2.09. Ones in Bold are critical:

1) R5 Logic is wrong. I have reported this in previous version. For a start there certainly is NOT a 5% price divergence as illustrated. Seems the PVT Div is wrong too!?

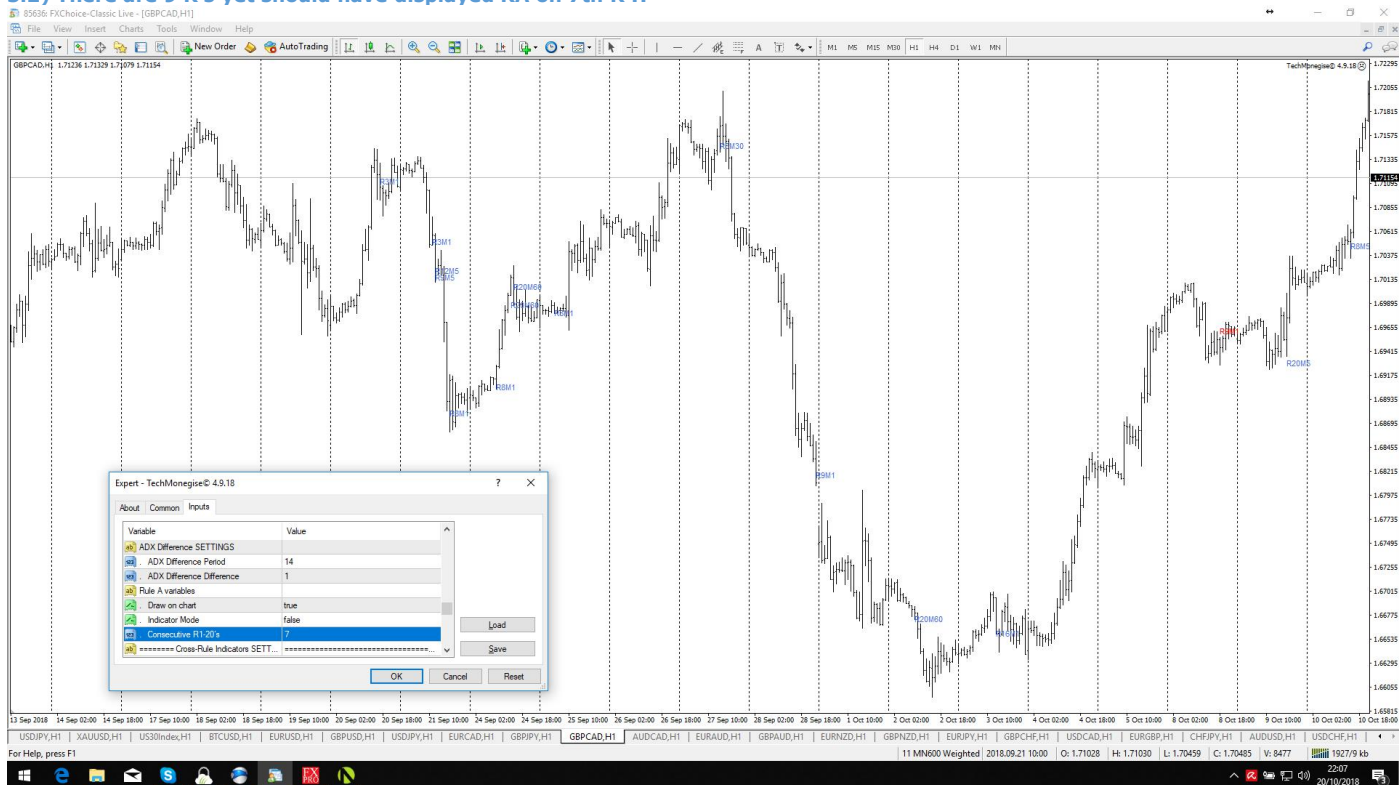


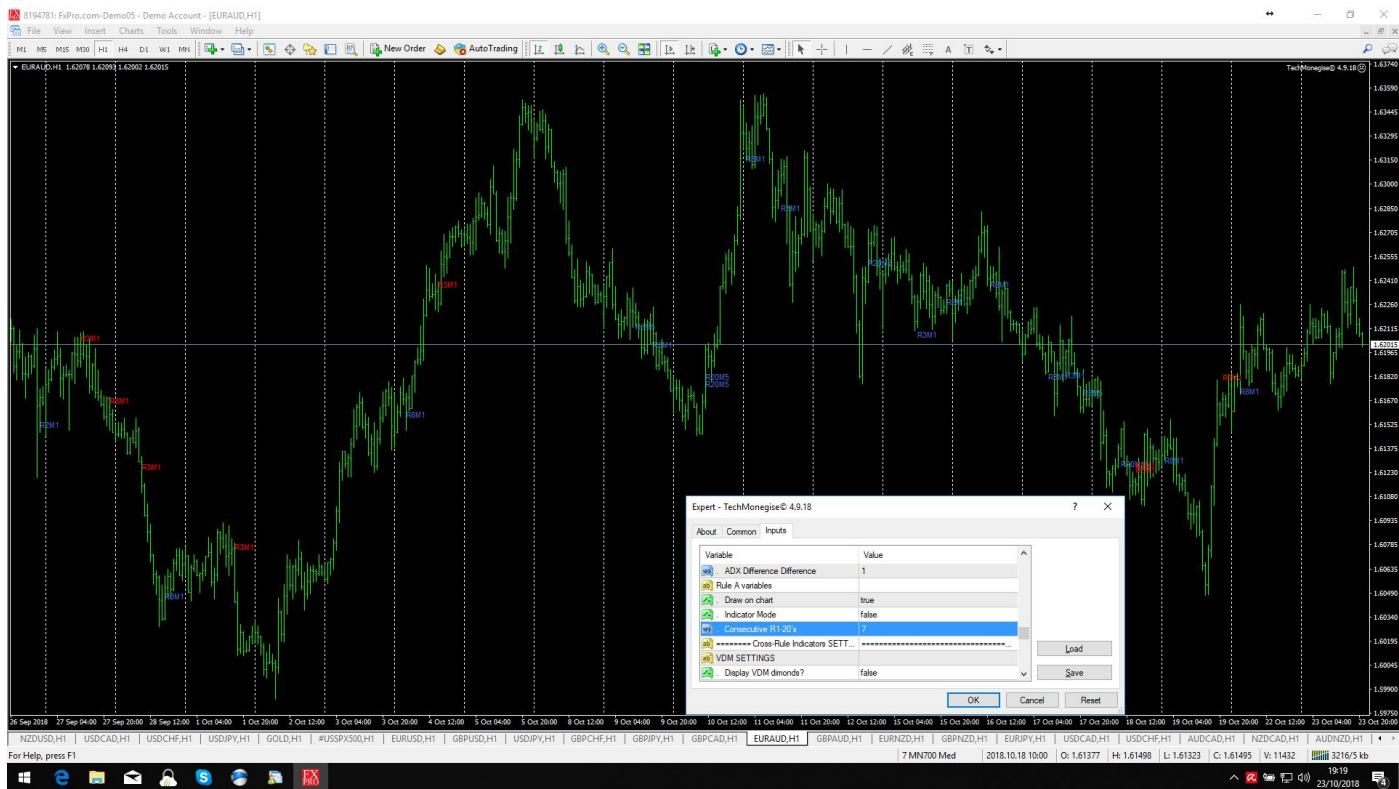
2) When platform/EA is restarted or changing chart display TF; chart displays different R's (with same settings). This even happens when the first loading of the platform/EA. No repaint indicators used. It does not happen on R22. This critically needs fixing please!!!!

3) As previously reported RA not counting R's correctly.

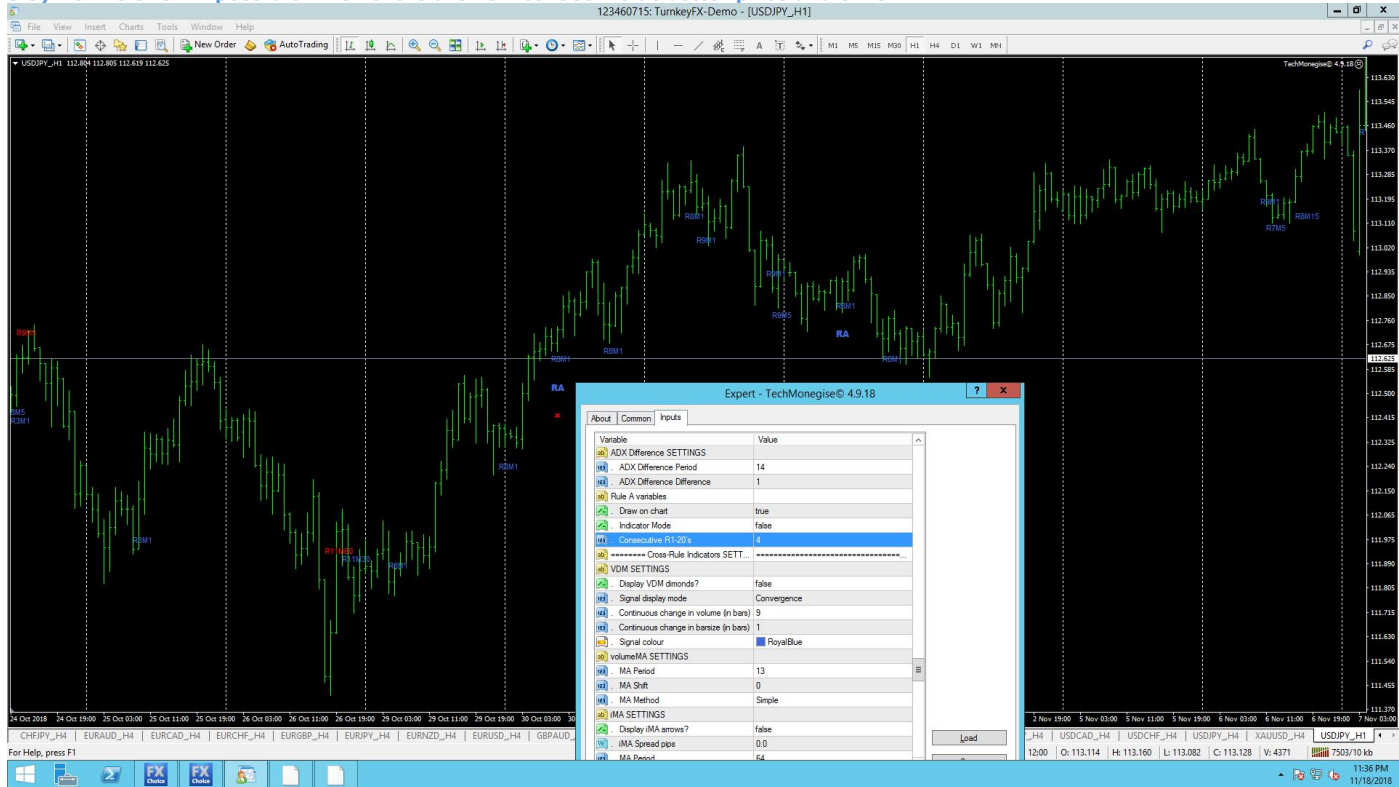
3.1) If you enter 1 into "Consecutive R1-R24" it will detect min of 2, if enter 3 it will detect min of 4. etc. This is because I had requested him to make it so there is no temptation to make a tradeable RA on value being 1. But now I want that to be allowed.

3.2) There are 9 R's yet should have displayed RA on 7th R !?





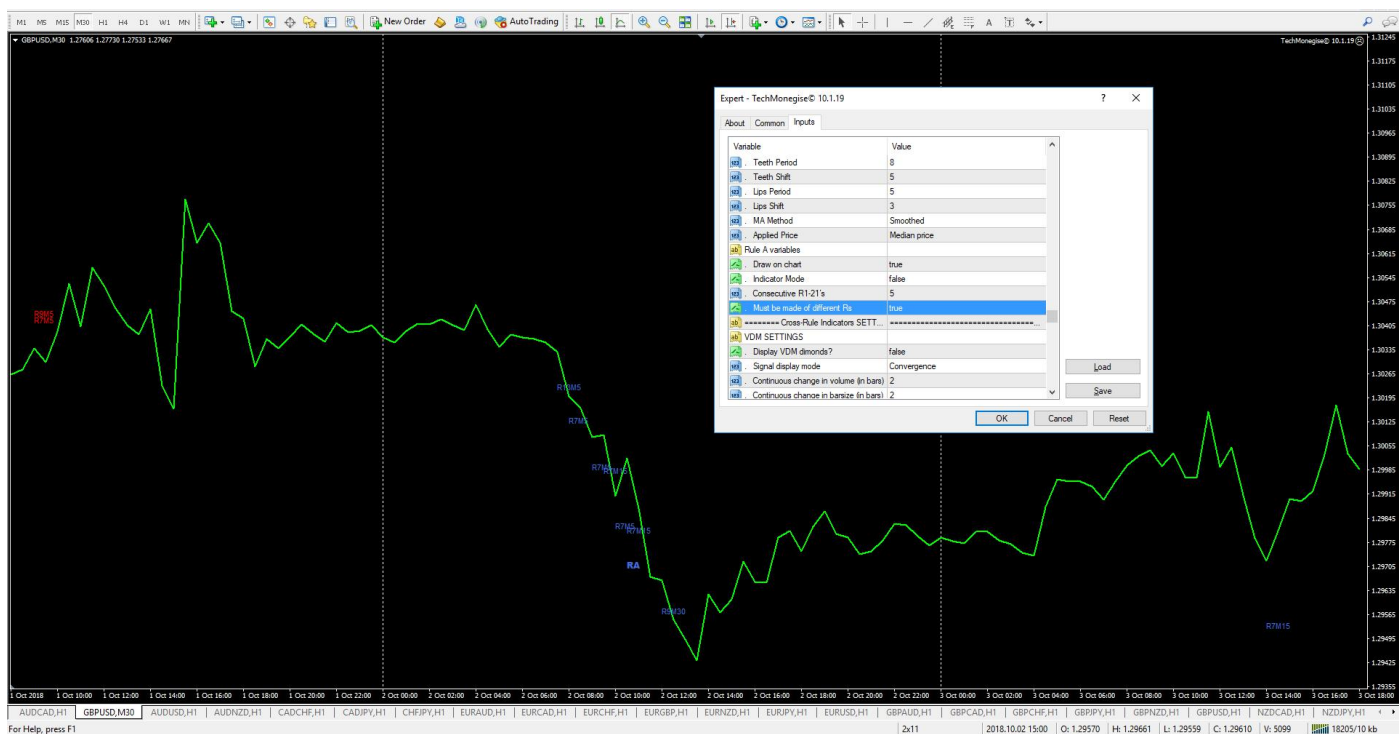
3.3) How is this RA possible when there aren't 4 consec R's at better price and time!?:



3.4) In below example R13M1 long is not recognised in the RA Sell count!?:



7) Variable: "RA Must be made up of different R's": True/False, is not working as RA below is made up of only R7's and R13's. Also add the ' so it is written as "R's" instead of Rs.



8) Propose R24, once approved by client include in EA.

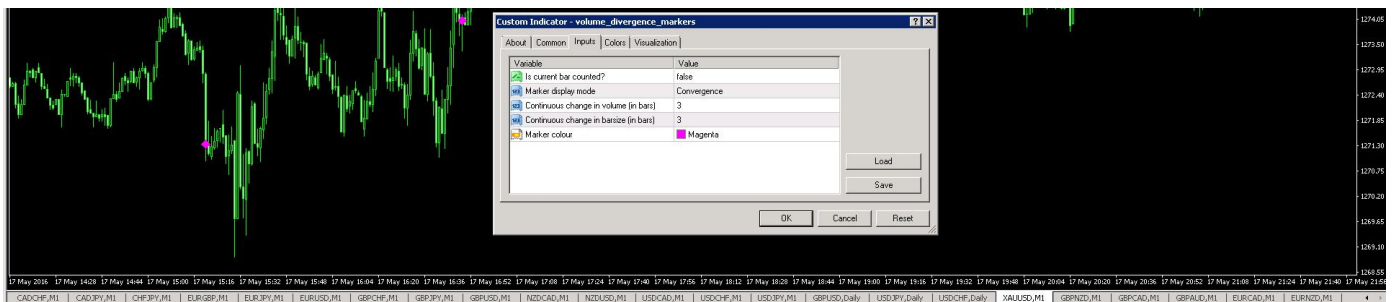
9) Make sure R22/R23/R24 are part of RA.

Changes to previous doc:

Changes to this doc compared to last:

Long when:

1. *Volume_Divergence_Markers* on custom settings shown in **Image B**:



When a Buy VDM appears; that price bar (close is the R1 price) and the previous (preceding) price bar must both close up. "Show diamonds on chart": True/False. Going back 10 price bars ("Last no. of bars analysed": 10) from Volume_Divergence_Mark, price must have closed higher by at least 0.05%. "Price % Div": 0.05. And; Going back 10 price bars ("Last no. of bars analysed": 10) from Volume_Divergence_Mark, the white Volume_MA line must have closed down by at least 0.01%. "VMA % Div": 0.01. Going back 10 price bars ("Last no. of bars analysed": 10) from Volume_Divergence_Mark, the blue Accumulation Indicator A/D line must have closed down by at least the fixed value stipulated (per minute of TF being analysed). Variable: "A/D Diff per TF minute": 200. So if value set to 500. It will look for a difference of 2,500 on the M5 TF, 7,500 on the M15 TF etc.

Before rule ensure the last consecutive complimenting signals from specified indicators signals without opposing indicator signals or R's 1-24 signals between the value (for Variable: "Last no. of") on the TF the rule occurs. Variable "Complimenting Indicators": MAB&PIN or All Indicators (VDM, Tango line dot, iMA, Gap Finder, ADX_Alert Norbert_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence). Variable "Last no. of": 4. i.e if set to 4 there will be 4 consecutive complementing indicator signals before that rule. Features in this paragraph are not demonstrated in image below.

Rule signal bar must not have any other opposing indicators (VDM, Tango line dot, iMA, Gap Finder, ADX_Alert Norbert_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence) on it in that respective TF R has occurred. Variable: "Enable opposing": True/False.

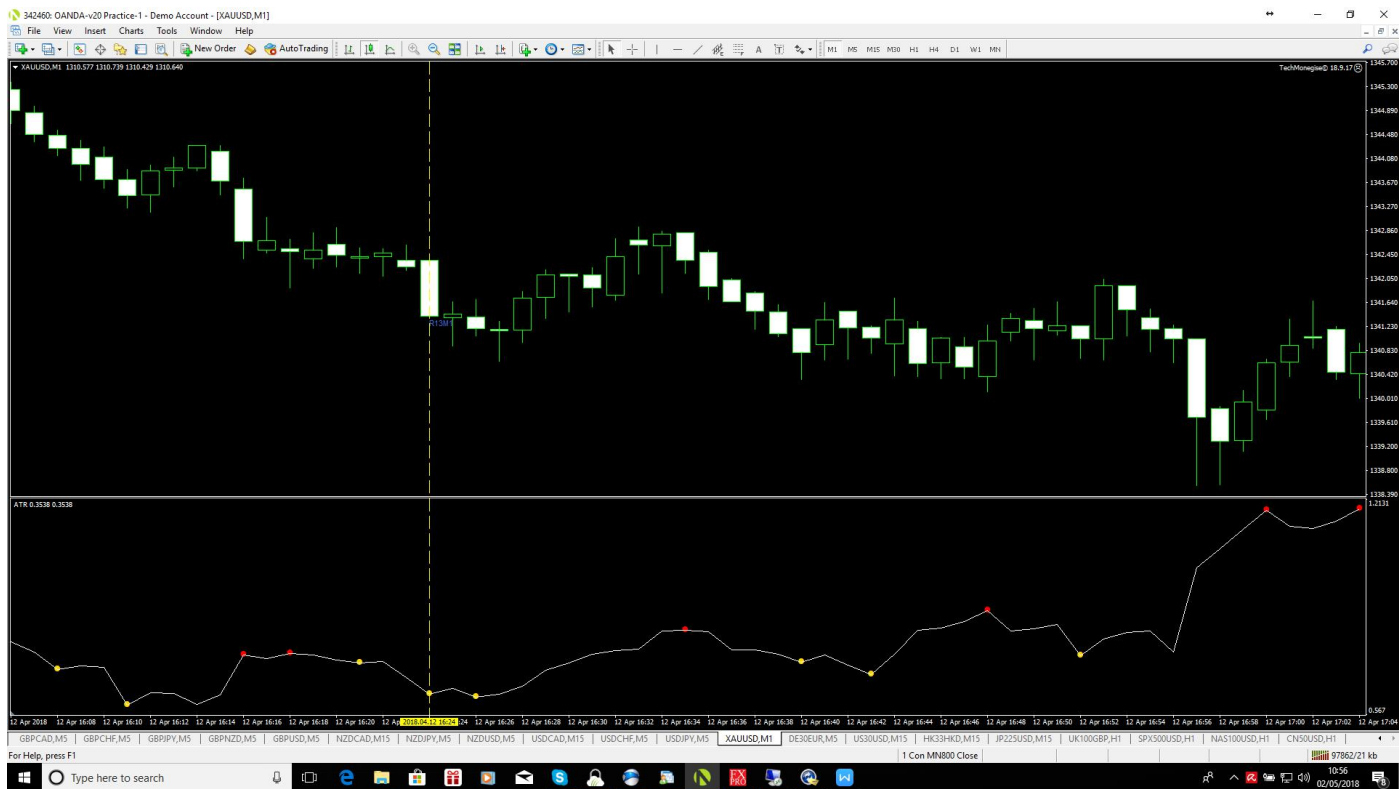
Rule 1 formation is demonstrated in **Image**:



Rule only valid if Rule price occurs below lower channel purple Tango dotted line for current bar close in the same TF as Rule. Variable: "R +- Tango channel": **True/False**. If value set to True, only those qualifying rules are counted for RA/RB/RE. Demonstrated in image below.



Variable: "R with ATR dot": **True/False**. Rule signal price bar must be accompanied by yellow ATR dot on long R's in TF Rule signal price bar occurs. As seen in below image:



Variable "R1 active for": Entries and opposing, qualifying rules are counted for RA/RB/RE and opposing for RA/RB/RE. Only opposing be used to identify only opposing rule 2's in RA/RC. None (not be used for forming entries or opposing). Therefore rule becomes completely inactive. This rule applies to any TF between M1-M30.

2. When all 4 consecutive red volume bars close above *SMA line* (VolumeMA) and the corresponding 4th (furthest left) price bar closes higher than the 1st (furthest right close, this is the R2 price) by at least Variable "Price % Diff": 0.3 (0.3%). Going back 15 price bars ("Last no. of bars analysed": 15) the blue *Accumulation Indicator A/D line* must have closed down by at least the fixed value stipulated (per minute of TF being analysed). Variable: "A/D Diff per TF minute": 500. So if value set to 500. It will look for a difference of 2,500 on the M5 TF, 7,500 on the M15 TF etc.

Before rule ensure the last consecutive complimenting signals from specified indicators signals without opposing indicator signals or R's 1-24 signals between the value (for Variable: "Last no. of") on the TF the rule occurs. Variable "Complimenting Indicators": MAB&PIN or **All Indicators** (VDM, Tango line dot, iMA, Gap Finder, ADX_Alert Norbert_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence). Variable "Last no. of": 4. i.e if set to 4 there will be 4 consecutive complementing indicator signals before that rule. Features in this paragraph are not demonstrated in image below.

Rule signal bar must not have any other opposing indicators (VDM, Tango line dot, iMA, Gap Finder, ADX_Alert Norbert_60seconds arrow, MAB (9), Pinbar detector, CCwSF, **AO Divergence**) on it in that respective TF R has occurred. Variable: "Enable opposing": **True/False**.

Rule signal is illustrated in M30 TF in **Image** below and signal marked with a red dotted vertical line.
Each rule 2 can occur on any single TF between M1-M30. Rule 2 formation is demonstrated in **Image**:



Variable: "R with ATR dot": **True/False**. Rule signal price bar must be accompanied by yellow ATR dot on long R's in TF Rule signal price bar occurs.

Rule only valid if Rule price occurs below lower channel purple Tango dotted line for current bar close in the same TF as Rule. Variable: "R +- Tango channel": **True/False**. If value set to True, only those qualifying rules are counted for RA/RB and RE.

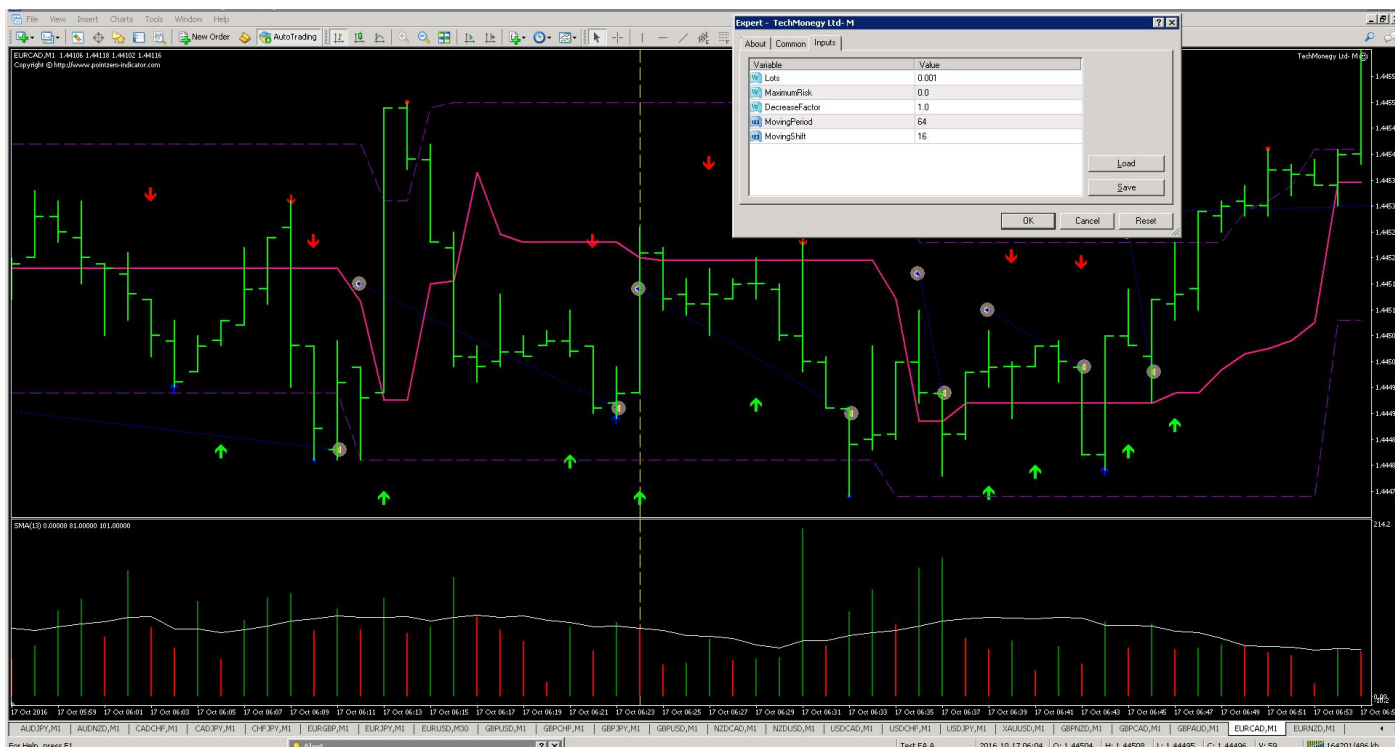
Variable "R2 active for": Entries and opposing, qualifying rules are counted for RA/RB/RE and opposing for RA/RB/RE. Only opposing be used to identify only opposing rule 2's in RA/RB/RE. None (not be used for forming entries or opposing). Therefore rule becomes completely inactive. This rule applies to any TF between M1-M30.

- When on same price bar the following 4 indicators occur: the iMA (same as Moving Average EA on MT4 platform) on below default settings (use code of this EA to make this indicator) blue sideways buy signal occurs. The blue side way arrow (this is the price of the R3) must be below deep pink tango line. Ensure spread is equally added for both buy and sell with "Pips spread": 2. A green ADX_Alert (Norbert_60seconds) buy arrow occurs. A red below SMA line (VolumeMA) volume bar occurs. Going back 15 price bars ("Last no. of bars analysed": 15) the blue Accumulation Indicator A/D line must have closed down by at least the fixed value stipulated (per minute of TF being analysed). Variable: "A/D Diff per TF minute": 500. So if value set to 500. It will look for a difference of 2,500 on the M5 TF, 7,500 on the M15 TF etc.

Before rule ensure the last consecutive complimenting signals from specified indicators signals without opposing indicator signals or R's 1-24 signals between the value (for Variable: "Last no. of") on the TF the rule occurs. Variable "Complimenting Indicators": MAB&PIN or All Indicators (VDM, Tango line dot, iMA, Gap Finder, ADX_Alert Norbert_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence). Variable "Last no. of": 4. i.e if set to 4 there will be 4 consecutive complementing indicator signals before that rule. Features in this paragraph are not demonstrated in image below.

Rule signal bar must not have any other opposing indicators (VDM, Tango line dot, iMA, Gap Finder, ADX_Alert Norbert_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence) on it in that respective TF R has occurred. Variable: "Enable opposing": **True/False**.

Image below is R3 signal.



Variable: "R with ATR dot": **True/False**. Rule signal price bar must be accompanied by yellow ATR dot on long R's in TF Rule signal price bar occurs.

Variable "R3 active for": Entries and opposing, qualifying rules are counted for RA/RB/RE and opposing for RA/RB/RE. **Only opposing** be used to identify **only opposing rule 3's** in RA/RB/RE. **None** (not be used for forming entries or opposing). Therefore rule becomes completely inactive. This rule applies to any TF between M1-M30.

Note firstly this bug must be fixed

e- EURCAD issue is happened on AUDJPY i.e set to 3 consec R3's but not reading opposing (red sell) R3! As for video on EURCAD to be sent by skype.



Below is another example of where the consecutive is set to 3 and chart has printed R6 twice. Only Second one is correct. Although settings same for above and below charts; there is no R3M1 blue long in above chart but it is present in below!?



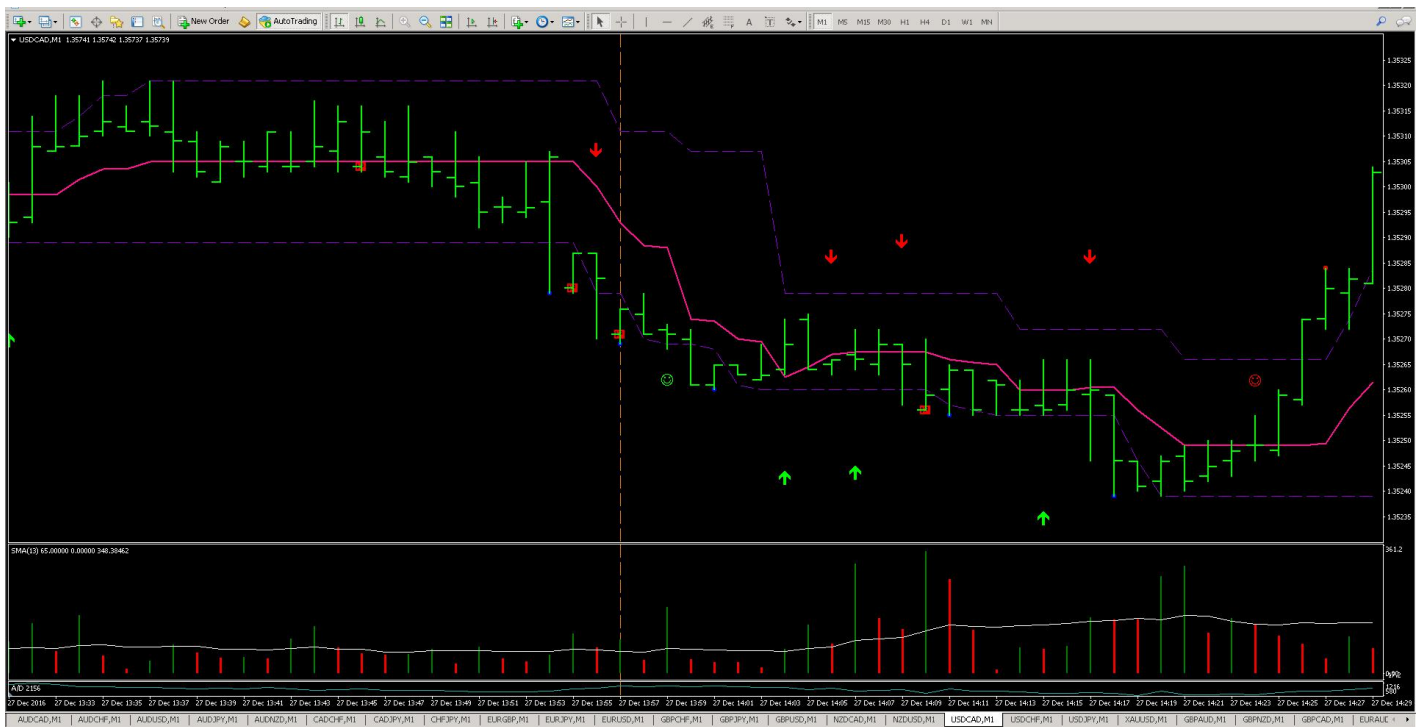
Variable: "R with BV": **True/False**. If true Rule signal bar or one before it (I.e one or two bars before R signal is printed) must have White Volume bar (Climax Low) in TF Rule signal price bar occurs.

4. When *Gap_Finder* (either blue bullish or red bearish indicator) regardless of gap closed or not (Variable "Min gap size in points": 5) appears **below lower Tangoline** indicator, that price bar has *Tangoline* dot named "reversal bar" (if you hover mouse over it) on at bottom of price, the Volume bar is Green and above the SMA line, while the 2 volume bars either side are red and lower in value than the middle green volume value. The 3rd (most recent) bar close (this is the price of R4) must be lower than the price of the appearance of the Gap Finder on previous (middle) bar. Going back 15 price bars ("Last no. of bars analysed": 15) the blue *Accumulation Indicator A/D line* must have closed down by at least the fixed value stipulated (per minute of TF being analysed). Variable: "A/D Diff per TF minute": 500. So if value set to 500. It will look for a difference of 2,500 on the M5 TF, 7,500 on the M15 TF etc.

Before rule ensure the last consecutive complimenting signals from specified indicators signals without opposing indicator signals or R's 1-24 signals between the value (for Variable: "Last no. of") on the TF the rule occurs. Variable "Complimenting Indicators": MAB&PIN or **All Indicators** (VDM, Tango line dot, iMA, Gap Finder, ADX_Alert Norbert_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence). Variable "Last no. of": 4. i.e if set to 4 there will be 4 consecutive complementing indicator signals before that rule. Features in this paragraph are not demonstrated in image below.

Rule signal bar must not have any other opposing indicators (VDM, Tango line dot, iMA, Gap Finder, ADX_Alert Norbert_60seconds arrow, MAB (9), Pinbar detector, CCwSF, **AO Divergence**) on it in that respective TF R has occurred. Variable: "Enable opposing": **True/False**.

Rule 4 is confirmed on 3rd most recent bar close price. **R4 can only occur on any M1-M30 TF**. Demonstrated in **Image**:



Variable: "R with ATR dot": **True/False**. Rule signal price bar must be accompanied by yellow ATR dot on long R's in TF Rule signal price bar occurs.

Variable "R4 active for": Entries and opposing, qualifying rules are counted for RA/RB/RE and opposing for RA/RB/RE. Only opposing be used to identify only opposing rule 4's in RA/RB/RE. None (not be used for forming entries or opposing). Therefore rule becomes completely inactive. This rule applies to any TF between M1-M30.

- When Price closes at new low (determined by Variable "Price min div %": 0.05) compared to the price it closed at X bars ago (determined by search period with Variable "Max price bars back": 28). Simultaneously for same period PVT closes up by value in Variable "Min PVT diff": 1 (this is for M5, it is multiplied up by 2.5 for every additional M5 TF. E.g for H1 TF value is 30).

Before rule ensure the last consecutive complimenting signals from specified indicators signals without opposing indicator signals or R's 1-24 signals between the value (for Variable: "Last no. of") on the TF the rule occurs. Variable "Complimenting Indicators": MAB&PIN or **All Indicators** (VDM, Tango line dot, iMA, Gap Finder, ADX_Alert Norbert_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence). Variable "Last no. of": 4. i.e if set to 4 there will be 4 consecutive complementing indicator signals before that rule. Features in this paragraph are not demonstrated in image below.

Rule signal bar must not have any other opposing indicators (VDM, Tango line dot, iMA, Gap Finder, ADX_Alert Norbert_60seconds arrow, MAB (9), Pinbar detector, CCwSF, **AO Divergence**) on it in that respective TF R has occurred. Variable: "Enable opposing": **True/False**.

This set up is illustrated in **Image**:



Variable: "R with ATR dot": **True/False**. Rule signal price bar must be accompanied by yellow ATR dot on long R's in TF Rule signal price bar occurs.

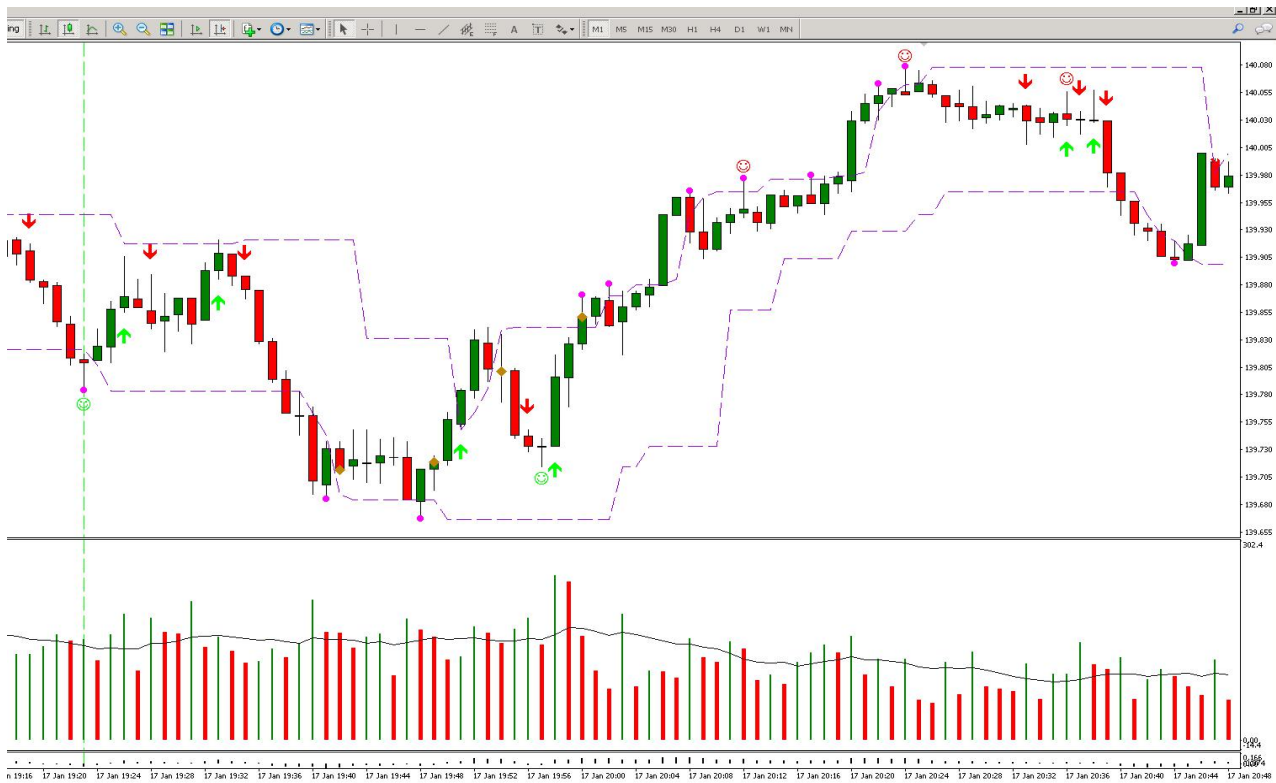
Rule only valid if Rule price occurs below lower channel purple Tango dotted line for current bar close in the same TF as Rule. Variable: "R +- Tango channel": **True/False**. If value set to True, only those qualifying rules are counted for RA/RB and RE. Variable "R active for": Entries and opposing, qualifying rules are counted for RA/RB/RE and opposing for RA/RB/RE. Only opposing be used to identify only opposing rule 5's in RA/RB/RE. None (not be used for forming entries or opposing). Therefore rule becomes completely inactive. This rule applies to any TF between M5-H1.

- When a green buy *Pin Bar Detector* indicator appears (on default values of indicator) below price bar, that price bar opens and closes below lower *Tangoline* indicator, and does not make a high equal to or greater than lower *Tangoline* indicator, that price bar must have *Tangoline* dot named "reversal bar" (if you hover mouse over it) at bottom of price, the Volume bar is Green and above the SMA line, while the 2 volume bars either side are red and lower in value than the middle green volume value. This rule occurs on the 3rd (most recent) price bar close (this is the price of R6) when it closes up and higher than the close price of the previous (middle) bar.

Before rule ensure the last consecutive complimenting signals from specified indicators signals without opposing indicator signals or R's 1-24 signals between the value (for Variable: "Last no. of") on the TF the rule occurs. Variable "Complimenting Indicators": MAB&PIN or **All Indicators** (VDM, Tango line dot, iMA, Gap Finder, ADX_Alert Norbert_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence). Variable "Last no. of": 4. i.e if set to 4 there will be 4 consecutive complementing indicator signals before that rule. Features in this paragraph are not demonstrated in image below.

Rule signal bar must not have any other opposing indicators (VDM, Tango line dot, iMA, Gap Finder, ADX_Alert Norbert_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence) on it in that respective TF R has occurred. Variable: "Enable opposing": **True/False**.

The middle bar is marked with vertical dotted line in Image below (note this rule is set up is a rare occurrence and it's frequency likely to be once every 6 wks per TF):



Variable "R active for": Entries and opposing, qualifying rules are counted for RA/RB/RE and opposing for RA/RB/RE. Only opposing be used to identify only opposing rule 6's in RA/RB/RE. None (not be used for forming entries or opposing). Therefore rule becomes completely inactive. This rule can only occur on M1-H1 TF.

- When a blue *Tangoline* dot named "reversal bar" (if you hover mouse over it) at bottom of price bar appears, that price bar closes down and below lower *Tangoline* indicator, and does not make a high equal to or greater than lower *Tangoline* indicator.

Before rule ensure the last consecutive complimenting signals from specified indicators signals without opposing indicator signals or R's 1-24 signals between the value (for Variable: "Last no. of") on the TF the rule occurs. Variable "Complimenting Indicators": MAB&PIN or **All Indicators** (VDM, Tango line dot, iMA, Gap Finder, ADX_Alert Norbert_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence). Variable "Last no. of": 4. i.e if set to 4 there will be 4 consecutive complementing indicator signals before that rule. Features in this paragraph are not demonstrated in image below.

Rule signal bar must not have any other opposing indicators (VDM, Tango line dot, iMA, Gap Finder, ADX_Alert Norbert_60seconds arrow, MAB (9), Pinbar detector, CCwSF, **AO Divergence**) on it in that respective TF R has occurred. Variable: "Enable opposing": **True/False**.



Variable: "R with ATR dot": **True/False**. Rule signal price bar must be accompanied by yellow ATR dot on long R's in TF Rule signal price bar occurs.

Variable "R7 active for": Entries and opposing, qualifying rules are counted for RA/RB/RE and opposing for RA/RB/RE. Only opposing be used to identify only opposing rule 7's in RA/RB/RE. None (not be used for forming entries or opposing). Therefore rule becomes completely inactive. This rule can only occur on M5-H1 TF.

Variable: "R with BV": **True/False**. If true Rule signal bar or one before it (I.e one or two bars before R signal is printed) must have White Volume bar (Climax Low) in TF Rule signal price bar occurs.

8. When a green ADX_Alert (Norbert_60seconds) buy arrow occurs (on default values of indicator) below price bar, that price bar closes above upper Tangoline indicator, the Volume bar is Green and above the SMA line, while the 2 volume bars either side are red and lower in value than the middle green volume value. This rule occurs on the 3rd (most recent) bar close (this is the price of R8) when lower than the close price of the previous (middle) bar. From the middle bar (marked with dotted vertical line) going back 15 price bars ("Last no. of bars analysed": 15) the white Volume MA line must have closed down by at least 5% lower. "VMA % R7": 5. Going back 15 price bars ("Last no. of bars analysed": 15) the blue Accumulation Indicator A/D line must have closed down by at least the fixed value stipulated (per minute of TF being analysed). Variable: "A/D Diff per TF minute": 500. So if value set to 500. It will look for a difference of 2,500 on the M5 TF, 7,500 on the M15 TF etc. Only the above SMA and Accumulation Indicator A/D relationship must also occur on at least 2 other TF's between M1-H1 from current signal bar simultaneously. Variable: "Simultaneous other TF occurrence": 2.

Before rule ensure the last consecutive complimenting signals from specified indicators signals without opposing indicator signals or R's 1-24 signals between the value (for Variable: "Last no. of") on the TF the rule occurs. Variable "Complimenting Indicators": MAB&PIN or All Indicators (VDM, Tango line dot, iMA, Gap Finder, ADX_Alert Norbert_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence). Variable "Last no. of": 4. i.e if set to 4 there will be 4 consecutive complementing indicator signals before that rule. Features in this paragraph are not demonstrated in image below.

Rule signal bar must not have any other opposing indicators (VDM, Tango line dot, iMA, Gap Finder, ADX_Alert Norbert_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence) on it in that respective TF R has occurred. Variable: "Enable opposing": **True/False**. It is marked with a dotted vertical line in Image below (Note 10 bars back is shown for demo):



Variable: "R with ATR dot": **True/False**. Rule signal price bar must be accompanied by yellow ATR dot on long R's in TF Rule signal price bar occurs.

Variable "R8 active for": Entries and opposing, qualifying rules are counted for RA/RB/RE and opposing for RA/RB/RE. Only opposing be used to identify only opposing rule 2's in RA/RB/RE. None (not be used for forming entries or opposing). Therefore rule becomes completely inactive. This rule applies to any TF between M1-M30.

9. When a 9 with same colour arrow beneath it from MAB_TD_Sequential indicator (on default values) appears below price bar, that price bar closes (this is the price of R9) below lower Tangoline indicator. Plus either of the following 9.1) Volume bar is Green and above the SMA line, while the 2 volume bars either side are red and lower in value than the middle green volume value. Or 9.2) The volume bar is below SMA Line. The volume bars either side don't matter. Variable "Volume mode": 9.1 or 9.2 or Both.

Before rule ensure the last consecutive complimenting signals from specified indicators signals without opposing indicator signals or R's 1-16 signals between the value (for Variable: "Last no. of") on the TF the rule occurs. Variable "Complimenting Indicators": MAB&PIN or All Indicators (VDM, Tango line dot, iMA, Gap Finder, ADX_Alert Norbert_60seconds arrow, MAB (9), Pinbar detector, CCwSF). Variable "Last no. of": 4. i.e if set to 4 there will be 4 consecutive complementing indicator signals before that rule. Features in this paragraph are not demonstrated in image below.

Rule signal bar must not have any other opposing indicators (VDM, Tango line dot, iMA, Gap Finder, ADX_Alert Norbert_60seconds arrow, MAB (9), Pinbar detector, CCwSF) on it in that respective TF R has occurred. Variable: "Enable opposing": **True/False**.

The middle bar is marked with vertical dotted line in Image below:
9.1



9.2



Variable: "R with ATR dot": **True/False**. Rule signal price bar must be accompanied by yellow ATR dot on long R's in TF Rule signal price bar occurs.

Variable "R9 active for": Entries and opposing, qualifying rules are counted for RA/RB/RE and opposing for RA/RB/RE. Only opposing be used to identify only opposing rule 9's in RA/RB/RE. None (not be used for forming entries or opposing). Therefore rule becomes completely inactive. This rule applies to any TF between M1-M30.

10. When a red Zone Trade_v2.4 (in default settings) price bar closes. On same bar volume closes red and above SMA white line. On same bar Better Volume (in default settings) closes white and above it's maroon MA line.

Before rule ensure the last consecutive complimenting signals from specified indicators signals without opposing indicator signals or R's 1-24 signals between the value (for Variable: "Last no. of") on the TF the rule occurs. Variable "Complimenting Indicators": MAB&PIN or **All Indicators** (VDM, Tango line dot, iMA, Gap Finder, ADX_Alert Norbert_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence).

Variable "Last no. of": 4. i.e if set to 4 there will be 4 consecutive complementing indicator signals before that rule. Features in this paragraph are not demonstrated in image below.

Rule signal bar must not have any other opposing indicators (VDM, Tango line dot, iMA, Gap Finder, ADX_Alert Norbert_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence) on it in that respective TF R has occurred. Variable: "Enable opposing": True/False.



Rule only valid if Rule price occurs below lower channel purple Tango dotted line for current bar close in the same TF as Rule. Variable: "R +- Tango channel": True/False. If value set to True, only those qualifying rules are counted for RA/RB and RF. Variable: "R with ATR dot": True/False. Rule signal price bar must be accompanied by yellow ATR dot on long R's in TF Rule signal price bar occurs.

Variable "R10 active for": Entries and opposing, qualifying rules are counted for RA/RB/RE and opposing for RA/RB/RE. Only opposing be used to identify only opposing rule 10's in RA/RB/RE. None (not be used for forming entries or opposing). Therefore rule becomes completely inactive. This rule applies to any TF between M5-M30.

11. (Same as R11 is coded in EA V2.05. Leave as is in supplied V2.08!!) When price close up compared to the close of the previous price bar close by at least 0.015% Variable "Min % price difference": 0.015. Simultaneously PVT (indicator on default settings) value closes up compared to the value of the previous bar close. Therefore if 0.015% price difference is 2 pips and PVT difference is 4, for these figures the pips portion is 50% of PVT difference. R11 occurs at close of price bar marked with price label 1.06479. Each TF has it's own Variable: "M1 max pips % of PVT": 20. Variable: "M5 max pips % of PVT": 15. Variable: "M15 max pips % of PVT": 4. Variable: "M30 max pips % of PVT": 2. Variable: "H1 max pips % of PVT": 0.5.

Before rule ensure the last consecutive complimenting signals from specified indicators signals without opposing indicator signals or R's 1-24 signals between the value (for Variable: "Last no. of") on the TF the rule occurs. Variable "Complimenting Indicators": MAB&PIN or All Indicators (VDM, Tango line dot, iMA, Gap Finder, ADX_Alert Norbert_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence). Variable "Last no. of": 4. i.e if set to 4 there will be 4 consecutive complementing indicator signals before that rule. Features in this paragraph are not demonstrated in image below.

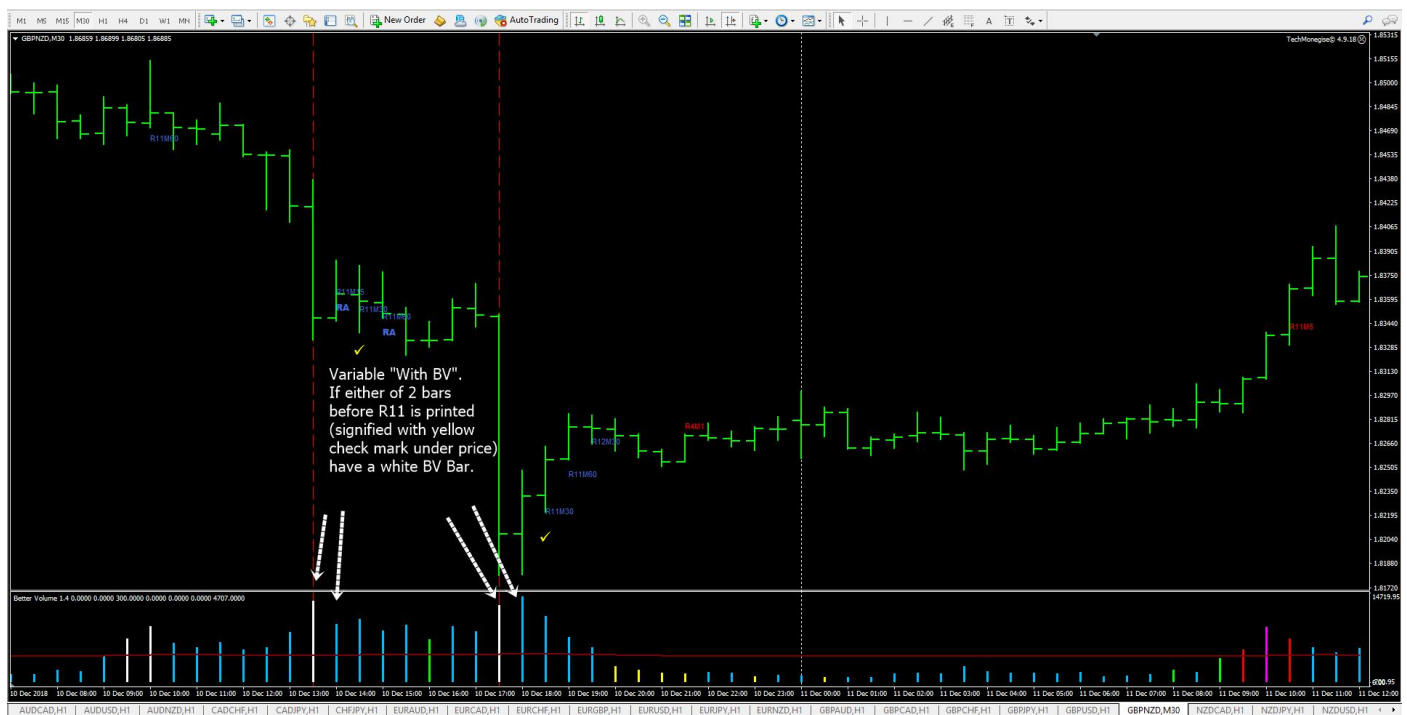
Rule signal bar must not have any other opposing indicators (VDM, Tango line dot, iMA, Gap Finder, ADX_Alert Norbert_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence) on it in that respective TF R has occurred. Variable: "Enable opposing": True/False.

Appears in M15 on Image:

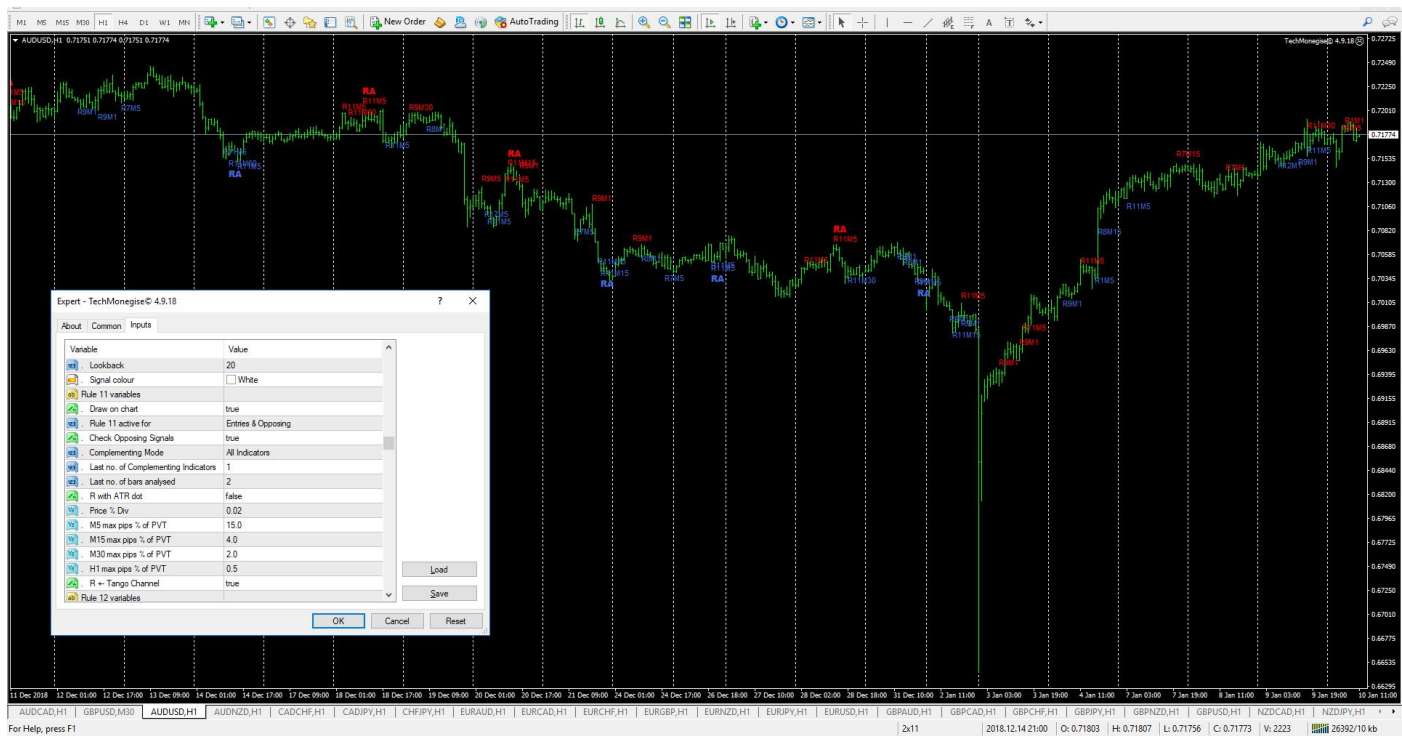


Variable: "R with ATR dot": **True/False**. Rule signal price bar must be accompanied by yellow ATR dot on long R's in TF Rule signal price bar occurs.

Variable: "R with BV": **True/False**. If true Rule signal bar or one before it (I.e one or two bars before R11 is printed) must have White Volume bar (Climax Low) in TF Rule signal price bar occurs.

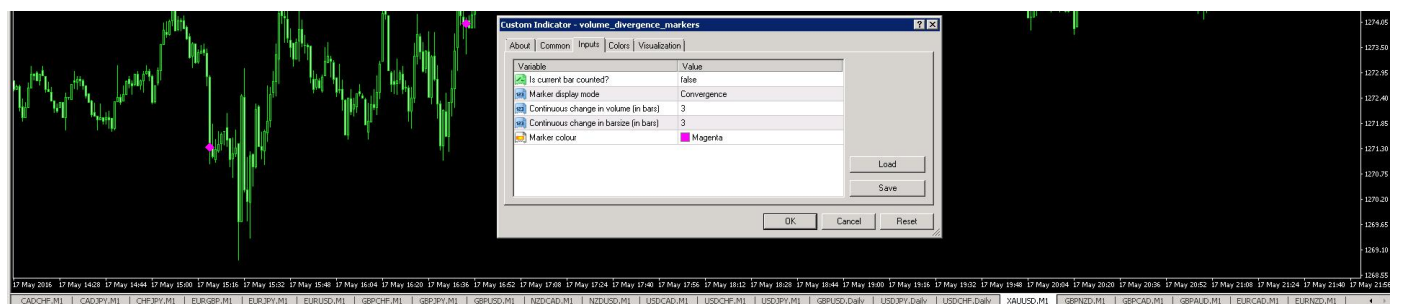


R11 should look like this (I.e where R11 is stated on chart) on settings last sent where two R11's make an RA:



Variable "R11 active for": Entries and opposing, qualifying rules are counted for RA/RB/RE and opposing for RA/RB/RE. Only opposing be used to identify only opposing rule 11's in RA/RB/RE. None (not be used for forming entries or opposing). This rule applies to any TF between M1-H1.

12. R12 is similar to R1. This R12 must have it's own *Volume_Divergence_Markers* settings shown:



When the Buy VDM appears; that price bar (close is the R12 price) and the previous (preceding) price bar must both close up. "Show diamonds on chart": True/False. Going back 6 price bars ("Last no. of bars analysed": 6) from Volume_Divergence_Mark, price must have closed higher by at least 0.03%. "Price % Div": 0.03. And; Going back 6 price bars ("Last no. of bars analysed": 6) from Volume_Divergence_Mark, the white Volume MA line must have closed down by at least 0.01%. "VMA % Div": 0.01. Going back 6 price bars ("Last no. of bars analysed": 6) from Volume_Divergence_Mark, the blue Accumulation Indicator A/D line must have closed down by at least the fixed value stipulated (per minute of TF being analysed). Variable: "A/D Diff per TF minute": 200. So if value set to 500. It will look for a difference of 2,500 on the M5 TF, 7,500 on the M15 TF etc. Signal bar must not have any other opposing indicators (VDM, Tango line dot, iMA, Gap Finder, ADX_Alert Norbert_60seconds arrow, Pinbar detector) on it in that respective TF R has occurred. Variable: "Enable opposing": True/False.

Before rule ensure the last consecutive complementing signals from specified indicators signals without opposing indicator signals or R's 1-24 signals between the value (for Variable: "Last no. of") on the TF the rule occurs. Variable "Complementing Indicators": MAB&PIN or All Indicators (VDM, Tango line dot, iMA, Gap Finder, ADX_Alert Norbert_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence). Variable "Last no. of": 4. i.e if set to 4 there will be 4 consecutive complementing indicator signals before that rule. Features in this paragraph are not demonstrated in image below.

Rule signal bar must not have any other opposing indicators (VDM, Tango line dot, iMA, Gap Finder, ADX_Alert Norbert_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence) on it in that respective TF R has occurred. Variable: "Enable opposing": True/False.

Each rule 12 to be counted only once in it's formation of a rule 12 on any of it's designated TF's. Rule 12 formation is not fully demonstrated in Image:



Variable: "R with ATR dot": **True/False**. Rule signal price bar must be accompanied by yellow ATR dot on long R's in TF Rule signal price bar occurs.

Variable "R12 active for": Entries and opposing, qualifying rules are counted for RA/RB/RE and opposing for RA/RB/RE. Only opposing be used to identify only opposing rule 12's in RA/RB/RE. None (not be used for forming entries or opposing). Therefore rule becomes completely inactive. This rule applies to any TF between M1-H1.

Variable: "R with BV": **True/False**. If true Rule signal bar or one before it (I.e one or two bars before R signal is printed) must have White Volume bar (Climax Low) in TF Rule signal price bar occurs.

- When a *Better Volume* (in default settings, although for visual purpose it's black in image) close white. The value of the volume bar must be less than 150% . The formula is as follows if BV value is higher value of two: Average line value 200/ BV bar value 300 = 0.66×100 = Therefore "BV bar less than average in %": equals 66% of the maroon average value. The formula is as follows if BV value is lower value of two: BV bar value 200 / Average line value 300 = 0.66×100 = Therefore "BV bar less than average %": equals 66%. As in this image:



But the formula is as follows if BV value is higher value of two: BV bar value 800 / Average line value 550 = 1.45×100 = Therefore "BV bar less than average in %": equals 145%. Variable: "BV bar less than average in %": 150. The corresponding price bar in that TF the signal is setting up must have closed down by at least the following values in each variable representing that TF. Variable: "Price bar % close in M1": 0.1. Variable: "Price bar % close in M5": 0.2. Variable: "Price bar % close in M15": 0.4. Variable: "Price bar % close in M30": 0.80. Variable: "Price bar % close in H1": 1.

Before rule ensure the last consecutive complimenting signals from specified indicators signals without opposing indicator signals or R's 1-24 signals between the value (for Variable: "Last no. of") on the TF the rule occurs. Variable "Complimenting Indicators": MAB&PIN or All Indicators (VDM, Tango line dot, iMA, Gap Finder, ADX_Alert Norbert_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence). Variable "Last no. of": 4. i.e if set to 4 there will be 4 consecutive complementing indicator signals before that rule. Features in this paragraph are not demonstrated in image below.

Rule signal bar must not have any other opposing indicators (VDM, Tango line dot, iMA, Gap Finder, ADX_Alert Norbert_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence) on it in that respective TF R has occurred. Variable: "Enable opposing": True/False.

Rule only valid if Rule price occurs below lower channel purple Tango dotted line for current bar close in the same TF as Rule. Variable: "R + Tango channel": True/False. If value set to True, only those qualifying rules are counted for RA/RB and RF.



Variable: "R with ATR dot": True/False. Rule signal price bar must be accompanied by yellow ATR dot on long R's in TF Rule signal price bar occurs.

Variable "R13 active for": Entries and opposing, qualifying rules are counted for RA/RB/RE and opposing for RA/RB/RE. Only opposing be used to identify only opposing rule 13's in RA/RB/RE. None (not be used for forming entries or opposing). Therefore rule becomes completely inactive. This rule applies to any TF between M1-H1.

14. Ensure R1-13 and 15-24 are included. When a single buy *iMA* arrow on default settings occur. The following spread to filter some out. Variable: "iMA spread pips": 2. iMA only becomes R14 when it is (higher in price) before or (lower in price) after another **R1-13 and 15-24**.

An iMA can only be used once in the the formation of a rule. E.g if used for R15 same one can't be used to form an R14. Vertically marked with red dotted line price bar using Cross Indicator settings to display.

Before rule ensure the last consecutive complimenting signals from specified indicators signals without opposing indicator signals or R's 1-24 signals between the value (for Variable: "Last no. of") on the TF the rule occurs. Variable "Complimenting Indicators": MAB&PIN or **All Indicators** (VDM, Tango line dot, iMA, Gap Finder, ADX_Alert Norbert_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence). Variable "Last no. of": 4. i.e if set to 4 there will be 4 consecutive complementing indicator signals before that rule. Features in this paragraph are not demonstrated in image below.

Rule signal bar must not have any other opposing indicators (VDM, Tango line dot, iMA, Gap Finder, ADX_Alert Norbert_60seconds arrow, MAB (9), Pinbar detector, CCwSF, **AO Divergence**) on it in that respective TF R has occurred. Variable: "Enable opposing": **True/False**.

Rule only valid if Rule price occurs below lower channel purple Tango dotted line for current bar close in the same TF as Rule. Variable: "R +- Tango channel": **True/False**. If value set to True, only those qualifying rules are counted for RA/RB and RE.



Variable: "R with ATR dot": **True/False**. Rule signal price bar must be accompanied by yellow ATR dot on long R's in TF Rule signal price bar occurs.

Variable "R14 active for": Entries and opposing, qualifying rules are counted for RA/RB/RE and opposing for RA/RB/RE. Only opposing be used to identify only opposing rule 2's in RA/RB/RE. None (not be used for forming entries or opposing). Therefore rule becomes completely inactive. This rule applies to any TF between M1-H1.

15. When at least 9 (Variable "Consecutive on M5": 9) consecutive long indicators as currently operating in EA (made up of any of following; ZT, MAB, PIN, iMA, ADX, GF, VDM; from one or combo of TF's M1-H1) without opposing ones or opposing rules between them; appear on on a single M5 bar.

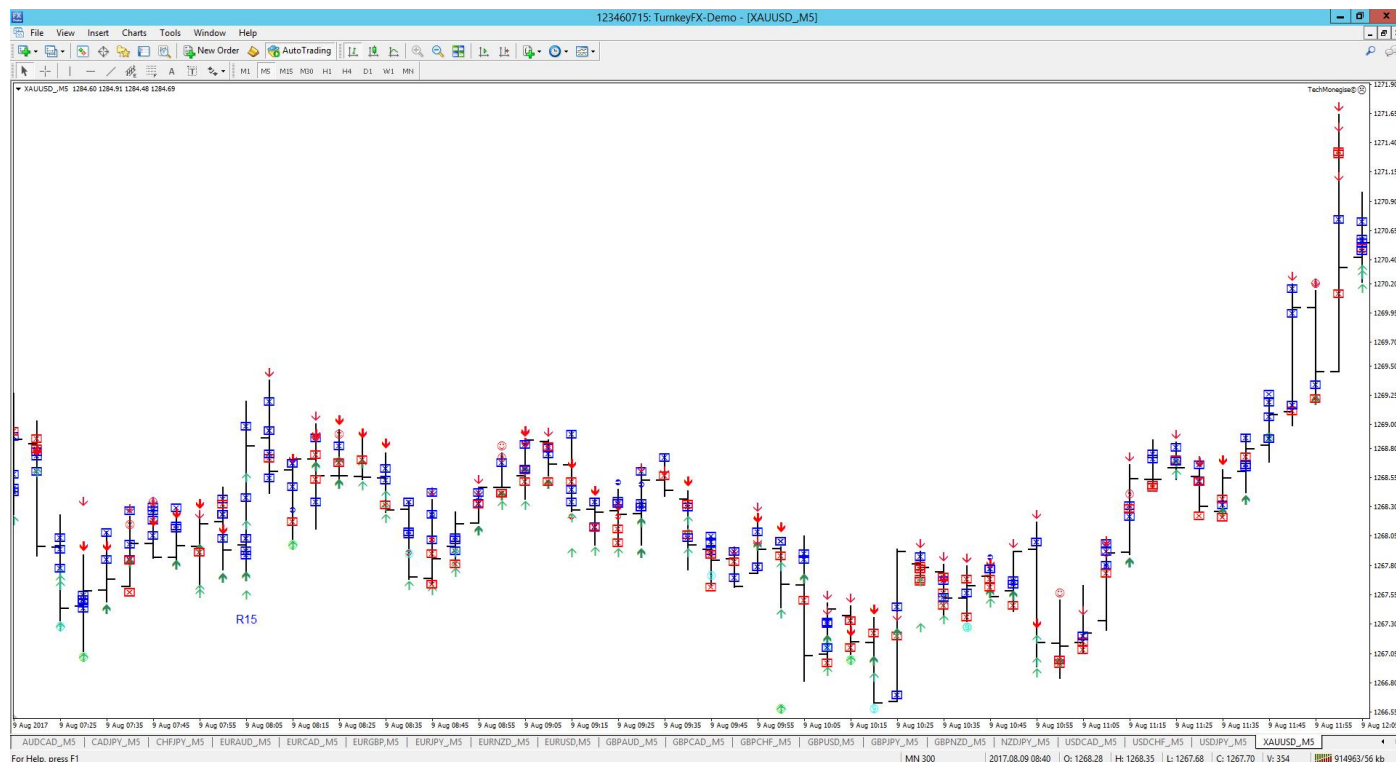
Going back 10 price bars ("Last no. of bars analysed": 10) from current R15 signal, price must have closed higher by at least 0.05%. "Price % Div": 0.05. And; Going back 10 price bars ("Last no. of bars analysed": 10) from current R15 signal, the white Volume MA line must have closed down by at least 0.01%. "VMA % Div": 0.01. Going back 10 price bars ("Last no. of bars analysed": 10) from Volume Divergence Mark, the blue Accumulation Indicator A/D line must have closed down by at least the fixed value stipulated (per minute of TF being analysed). Variable: "A/D Diff per TF minute": 200. So if value set to 500. It will look for a difference of 2,500 on the M5 TF, 7,500 on the M15 TF etc.

Before rule ensure the last consecutive complimenting signals from specified indicators signals without opposing indicator signals or R's 1-24 signals between the value (for Variable: "Last no. of") on the TF the rule occurs. Variable "Complimenting Indicators": MAB&PIN or All Indicators (VDM, Tango line dot, iMA, Gap Finder, ADX_Alert Norbert_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence). Variable "Last no. of": 4. i.e if set to 4 there will be 4 consecutive complementing indicator signals before that rule. Features in this paragraph are not demonstrated in image below.

Rule signal bar must not have any other opposing indicators (VDM, Tango line dot, iMA, Gap Finder, ADX_Alert Norbert_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence) on it in that respective TF R has occurred. Variable: "Enable opposing": **True/False**.

The close of this bar is the R15 price displayed in Image below:

Rule only valid if Rule price occurs below lower channel purple Tango dotted line for current bar close in the same TF as Rule. Variable: "R +- Tango channel": **True/False**. If value set to True, only those qualifying rules are counted for RA/RB and RE.



Note most of the indicators that appear on R15 disappeared on refresh (TF change/change back, EA reload) within 24 hrs. So R15 would no longer show. This could be cause of disappearing R's!?

Variable: "R with ATR dot": **True/False**. Rule signal price bar must be accompanied by yellow ATR dot on long R's in TF Rule signal price bar occurs.

Variable "R15 active for": Entries and opposing, qualifying rules are counted for RA/RB/RE and opposing for RA/RB/RE. Only opposing be used to identify only opposing rule 15's in RA/RB/RE. None (not be used for forming entries or opposing). Therefore rule becomes completely inactive.

This rule applies to M5.

Variable: "R with BV": **True/False**. If true Rule signal bar or one before it (I.e one or two bars before R signal is printed) must have White Volume bar (Climax Low) in TF Rule signal price bar occurs.

16. When on same price bar the following 2 indicators occur:

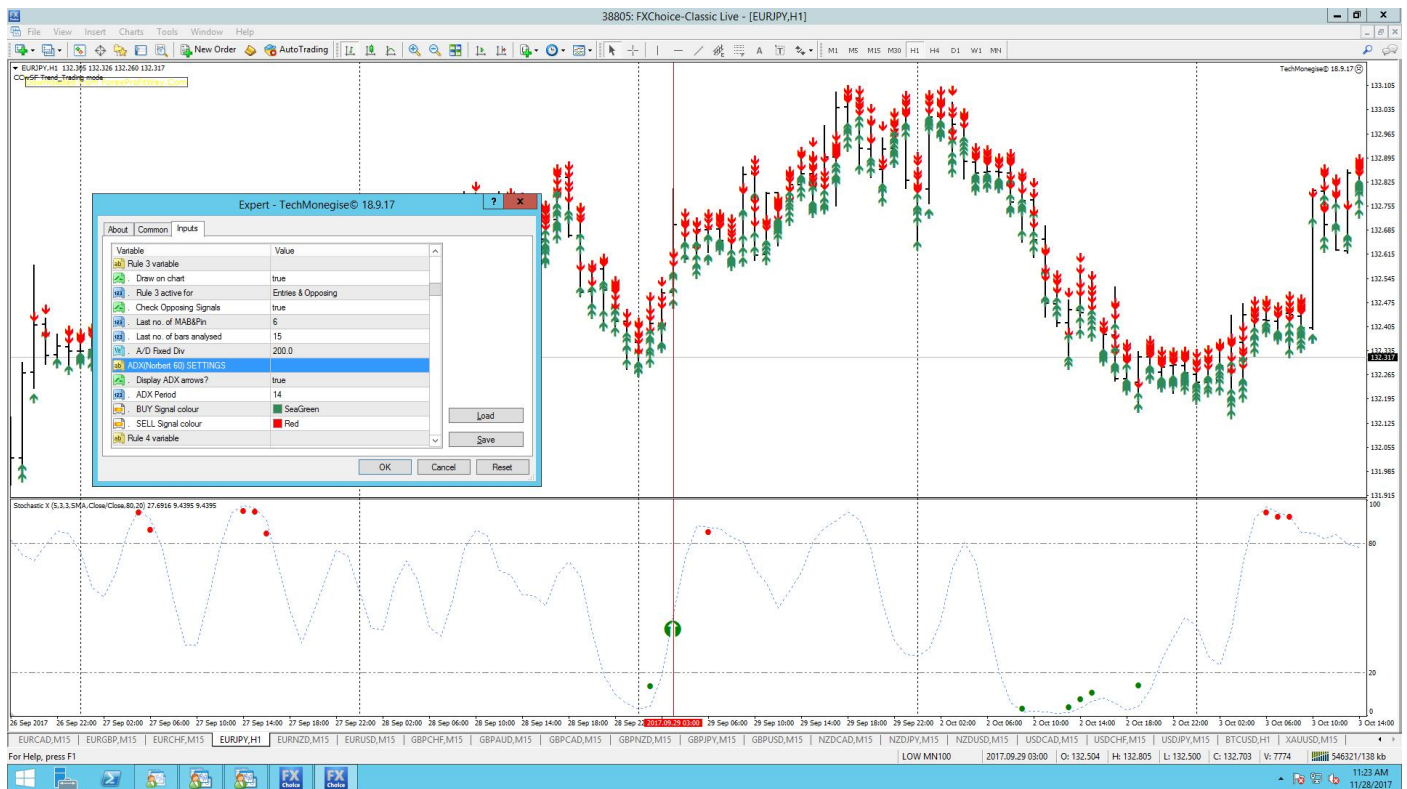
-CCwSF green buy arrow appears (with settings shown in image on Sell). But you can summarise the 3 variables to Variable: "Min % size for each of 3 candles": 0.15 applies to M1, each TF up will also increase by the stated % value. E.g H1 will be 0.75%.

-A green buy ADX_Alert (Norbert_60seconds) arrow occurs, with settings in EA as in image on buy on that same respective signal TF.

Before rule ensure the last consecutive complimenting signals from specified indicators signals without opposing indicator signals or R's 1-24 signals between the value (for Variable: "Last no. of") on the TF the rule occurs. Variable "Complimenting Indicators": MAB&PIN or All Indicators (VDM, Tango line dot, iMA, Gap Finder, ADX_Alert Norbert_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence). Variable "Last no. of": 4. i.e if set to 4 there will be 4 consecutive complementing indicator signals before that rule. Features in this paragraph are not demonstrated in image below.

Rule signal bar must not have any other opposing indicators (VDM, Tango line dot, iMA, Gap Finder, ADX_Alert Norbert_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence) on it in that respective TF R has occurred. Variable: "Enable opposing": True/False.

Rule only valid if Rule price occurs below lower channel purple Tango dotted line for current bar close in the same TF as Rule. Variable: "R +- Tango channel": True/False. If value set to True, only those qualifying rules are counted for RA/RB/RE.



Variable: "R with ATR dot": True/False. Rule signal price bar must be accompanied by yellow ATR dot on long R's in TF Rule signal price bar occurs.

Variable "R16 active for": Entries and opposing, qualifying rules are counted for RA/RB/RE and opposing for RA/RB/RE. Only opposing be used to identify only opposing rule 16's in RA/RB/RE. None (not be used for forming entries or opposing). Therefore rule becomes completely inactive. This rule applies to M1-H1.

Variable: "R with BV": True/False. If true Rule signal bar or one before it (I.e one or two bars before R signal is printed) must have White Volume bar (Climax Low) in TF Rule signal price bar occurs.

17. Make sure R22/R23/R24 are part of R17. When a single buy AO Divergence arrow on default settings occur in TF M5-H1; It only becomes R17 when it is lower in price after another complementing R1-16 and R18-R24 from any TF. The R17 does not have to be from same TF as the respective R1-R16 and R18-R24 before it! There must be no opposing R's 1-24 Of any TF between these two events. An AO Divergence arrow can only be used once in the the formation of R17. E.g if used after R9, same one can't be used for R11. Vertically marked with red dotted line price bar open.

Before rule ensure the last consecutive complimenting signals from specified indicators signals without opposing indicator signals or R's 1-24 signals between the value (for Variable: "Last no. of") on the TF the rule occurs. Variable "Complimenting Indicators": MAB&PIN or All Indicators (VDM, Tango line dot, iMA, Gap Finder, ADX_Alert Norbert_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence). Variable "Last no. of": 4. i.e if set to 4 there will be 4 consecutive complementing indicator signals before that rule. Features in this paragraph are not demonstrated in image below.

Rule signal bar must not have any other opposing indicators (VDM, Tango line dot, iMA, Gap Finder, ADX_Alert Norbert_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence) on it in that respective TF R has occurred. Variable: "Enable opposing": True/False.



Variable: "R with ATR dot": **True/False**. Rule signal price bar must be accompanied by yellow ATR dot on long R's in TF Rule signal price bar occurs.

Variable "R17 active for": Entries and opposing, qualifying rules are counted for RA/RB/RE and opposing for RA/RB/RE. Only opposing be used to identify only opposing rule 17's in RA/RB/RE. None (not be used for forming entries or opposing). Therefore rule becomes completely inactive. Therefore rule becomes completely inactive. This rule applies to M5-H1.

Variable: "R with BV": **True/False**. If true Rule signal bar or one before it (I.e one or two bars before R signal is printed) must have White Volume bar (Climax Low) in TF Rule signal price bar occurs.

18. Using ATR (4. in drop down menu in indicator "AIO Divergence" in default setting); identify when two confirmed consecutive (without a red dot between them) yellow dots with the most recent one being at a higher ATR value than the previous one. Simultaneously for that time period; recent price close corresponding to most recent of the two dots must be lower than close price of first dot. The price close of most recent of the two dots is R18.

Before rule ensure the last consecutive complementing signals from specified indicators signals without opposing indicator signals or R's 1-24 signals between the value (for Variable: "Last no. of") on the TF the rule occurs. Variable "Complimenting Indicators": MAB&PIN or **All Indicators** (VDM, Tango line dot, iMA, Gap Finder, ADX_Alert Norbert_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence). Variable "Last no. of": 4. i.e if set to 4 there will be 4 consecutive complementing indicator signals before that rule. Features in this paragraph are not demonstrated in image below.

Rule signal bar must not have any other opposing indicators (VDM, Tango line dot, iMA, Gap Finder, ADX_Alert Norbert_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence) on it in that respective TF R has occurred. Variable: "Enable opposing": **True/False**.

In image below ignore lines drawn by indicator. The 2 blue lines are drawn manually to demonstrate price and indicator relationship.



Variable: "R with ATR dot": **True/False**. Rule signal price bar must be accompanied by yellow ATR dot on long R's in TF Rule signal price bar occurs.

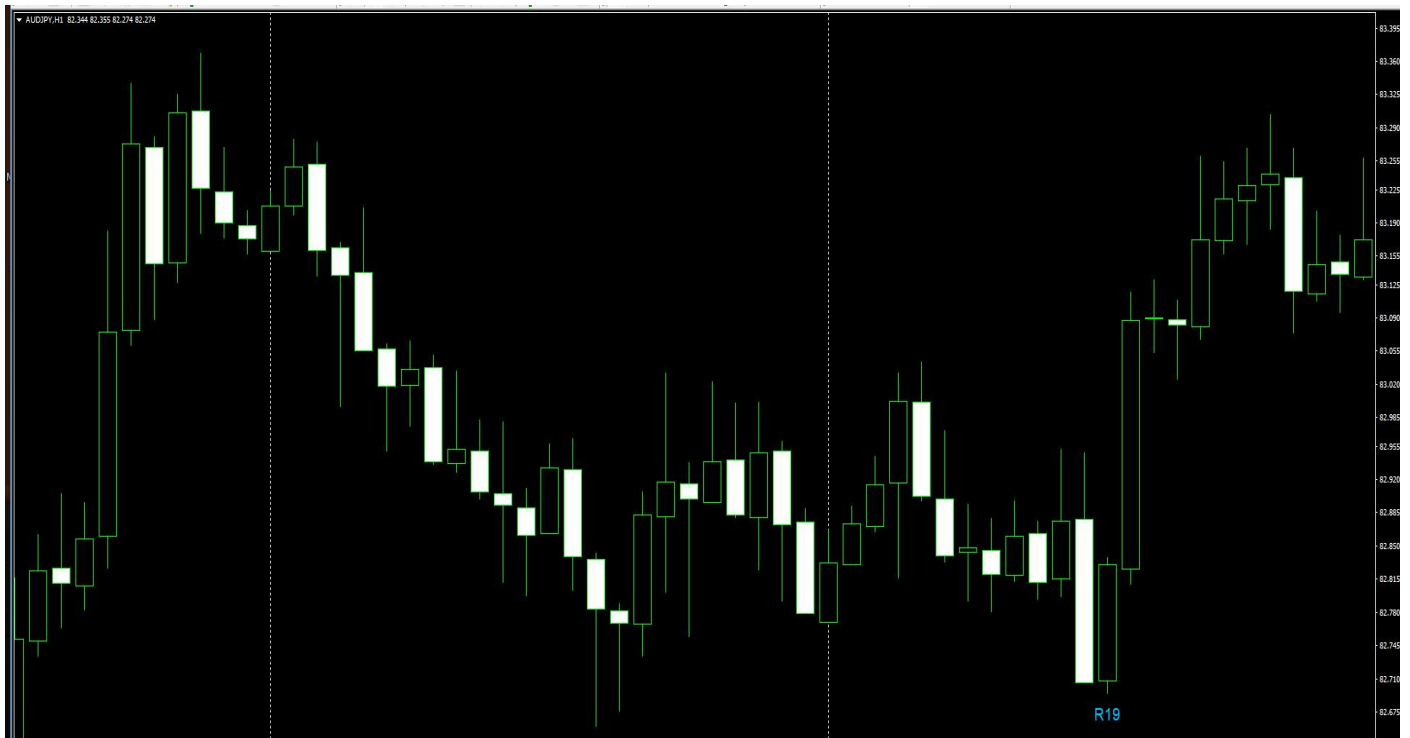
Variable "R18 active for": Entries and opposing, qualifying rules are counted for RA/RB/RE and opposing for RA/RB/RE. Only opposing be used to identify only opposing rule 18's in RA/RB/RE. None (not be used for forming entries or opposing). Therefore rule becomes completely inactive. This rule applies to M5-H1.

Variable: "R with BV": **True/False**. If true Rule signal bar or one before it (I.e one or two bars before R signal is printed) must have White Volume bar (Climax Low) in TF Rule signal price bar occurs.

19. When a price bar closes at it's absolute LOW on the H1. This becomes the signal bar. The next price bar open must be marked with R19.

Before rule ensure the last consecutive complimenting signals from specified indicators signals without opposing indicator signals or R's 1-24 signals between the value (for Variable: "Last no. of") on the TF the rule occurs. Variable "Complimenting Indicators": MAB&PIN or All Indicators (VDM, Tango line dot, iMA, Gap Finder, ADX_Alert Norbert_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence). Variable "Last no. of": 4. i.e if set to 4 there will be 4 consecutive complementing indicator signals before that rule. Features in this paragraph are not demonstrated in image below.

If set to 5 there will be 5 consecutive complementing indicator signals before that rule. Features in this paragraph are not demonstrated in image below.



Rule signal bar must not have any other opposing indicators (VDM, Tango line dot, iMA, Gap Finder, ADX_Alert Norbert_60seconds arrow, MAB (9), Pinbar detector, CCwSF, **AO Divergence**) on it in that respective TF R has occurred. Variable: "Enable opposing": **True/False**.

Rule only valid if Rule price occurs below lower channel purple Tango dotted line for current bar close in the same TF as Rule. Variable: "R +/- Tango channel": **True/False**. If value set to True, only those qualifying rules are counted for RA/RB/RE.

Variable "R19 active for": Entries and opposing, qualifying rules are counted for RA/RB/RE and opposing for RA/RB/RE. Only opposing be used to identify only opposing rule 19's in RA/RB/RE. None (not be used for forming entries or opposing). Therefore rule becomes completely inactive.

20. Convert ADX_Difference indicator to mq4, every time there appear 5 consecutive green bars above zero. An ADX Difference bar must not be counted more than once in formation of R20. From

<https://www.mql5.com/en/code/20912>

Before rule ensure the last consecutive complimenting signals from specified indicators signals without opposing indicator signals or R's 1-24 signals between the value (for Variable: "Last no. of") on the TF the rule occurs. Variable "Complimenting Indicators": MAB&PIN or **All Indicators** (VDM, Tango line dot, iMA, Gap Finder, ADX_Alert Norbert_60seconds arrow, MAB (9), Pinbar detector, CCwSF, **AO Divergence**). Variable "Last no. of": 4. i.e if set to 4 there will be 4 consecutive complementing indicator signals before that rule. Features in this paragraph are not demonstrated in image below.



Rule signal bar must not have any other opposing indicators (VDM, Tango line dot, iMA, Gap Finder, ADX_Alert Norbert_60seconds arrow, MAB (9), Pinbar detector, CCwSF, **AO Divergence**) on it in that respective TF R has occurred. Variable: "Enable opposing": **True/False**.

Variable: "R with ATR dot": **True/False**. Rule signal price bar must be accompanied by yellow ATR dot on long R's in TF Rule signal price bar occurs.

Rule only valid if Rule price occurs below lower channel purple Tango dotted line for current bar close in the same TF as Rule. Variable: "R +/- Tango channel": **True/False**. If value set to True, only those qualifying rules are counted for RA/RB/RE.

Variable "R20 active for": Entries and opposing, qualifying rules are counted for RA/RB/RE and opposing for RA/RB/RE. Only opposing be used to identify only opposing rule 20's in RA/RB/RE. None (not be used for forming entries or opposing). Therefore rule becomes completely inactive. This rule applies to M5-H1.

Variable: "R with BV": **True/False**. If true Rule signal bar or one before it (I.e one or two bars before R signal is printed) must have White Volume bar (Climax Low) in TF Rule signal price bar occurs.

21. When first in a series of full green (No red at top or bottom) Gator bar occurs and corresponding price bar closes up but is lower in range (from high to Low) compared to previous price bar range, this is considered the signal bar. Going back 10 price bars ("Last no. of bars analysed": 10) from signal bar, the white Volume MA line must have closed DOWN by at least 0.01%. "VMA % Div": 0.01. The open of the next price bar after signal bar must be marked with R21 below it's price bar in red coloured text.

Before rule ensure the last consecutive complimenting signals from specified indicators signals without opposing indicator signals or R's 1-24 signals between the value (for Variable: "Last no. of") on the TF the rule occurs. Variable "Complimenting Indicators": MAB&PIN or All Indicators (VDM, Tango line dot, iMA, Gap Finder, ADX_Alert Norbert_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence). Variable "Last no. of": 4. i.e if set to 4 there will be 4 consecutive complementing indicator signals before that rule. Features in this paragraph are not demonstrated in image below.

Rule signal bar must not have any other opposing indicators (VDM, Tango line dot, iMA, Gap Finder, ADX_Alert Norbert_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence) on it in that respective TF R has occurred. Variable: "Enable opposing": **True/False**.

Rule only valid if Rule price occurs below lower channel purple Tango dotted line for current bar close in the same TF as Rule. Variable: "R + - Tango channel": **True/False**. If value set to True, only those qualifying rules are counted for RA/RB/RE.



Variable "R21 active for": Entries and opposing, qualifying rules are counted for RA/RB/RE and opposing for RA/RB/RE. Only opposing be used to identify only opposing rule 21's in RA/RB/RE. None (not be used for forming entries or opposing). Therefore rule becomes completely inactive. This rule applies to M15-H1.

Variable: "R with BV": **True/False**. If true Rule signal bar or one before it (I.e one or two bars before R11 is printed) must have White Volume bar (Climax Low) in TF Rule signal price bar occurs.

22. Is a variation of R11. The text of R22 in purple must be added/coded. Text /variable ~~struck out~~ must be removed from code. Take Rule 22 code from TechMoney Ltd; TechMonegise© EA (v2.08) already supplied. It's already created. Here is it's description:

(Same as R22 is coded in EA v2.07) When price close up compared to the close of the previous price bar close by at least 0.015% Variable "Min % price difference": 0.015. Simultaneously PVT (indicator on default settings) value closes up compared to the value of the previous bar close. Therefore if 0.015% price difference is 2 pips and PVT difference is 4, for these figures the pips portion is 50% of PVT difference. Add Variable: "Price bar 2 body must be > half size body of bar 1": **True/False**. In other words bar 1 body must not be 200% or more > the body size of bar 2 in that respective time frame. See image:



R22 occurs at close of price bar marked with price label 1.06479.

Each TF has it's own Variable: "M1 max pips % of PVT": 20. Variable: "M5 max pips % of PVT": 15. Variable: "M15 max pips % of PVT": 4.

Variable: "M30 max pips % of PVT": 2. Variable: "H1 max pips % of PVT": 0.5.

Before rule ensure the last consecutive complimenting signals from specified indicators signals without opposing indicator signals or ~~R's~~ 1-21 signals between the value (for Variable: "Last no. of") on the TF the rule occurs. Variable "Complimenting Indicators": MAB&PIN or All Indicators (VDM, Tango line dot, iMA, Gap Finder, ADX_Alert Norbert_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence). Variable "Last no. of": 1. i.e if set to 4 there will be 4 consecutive complementing indicator signals before that rule. Features in this paragraph are not demonstrated in image below.

Rule signal bar must not have any other opposing indicators (VDM, Tango line dot, iMA, Gap Finder, ADX_Alert Norbert_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence) on it in that respective TF R has occurred. Variable: "Enable opposing": True/False.

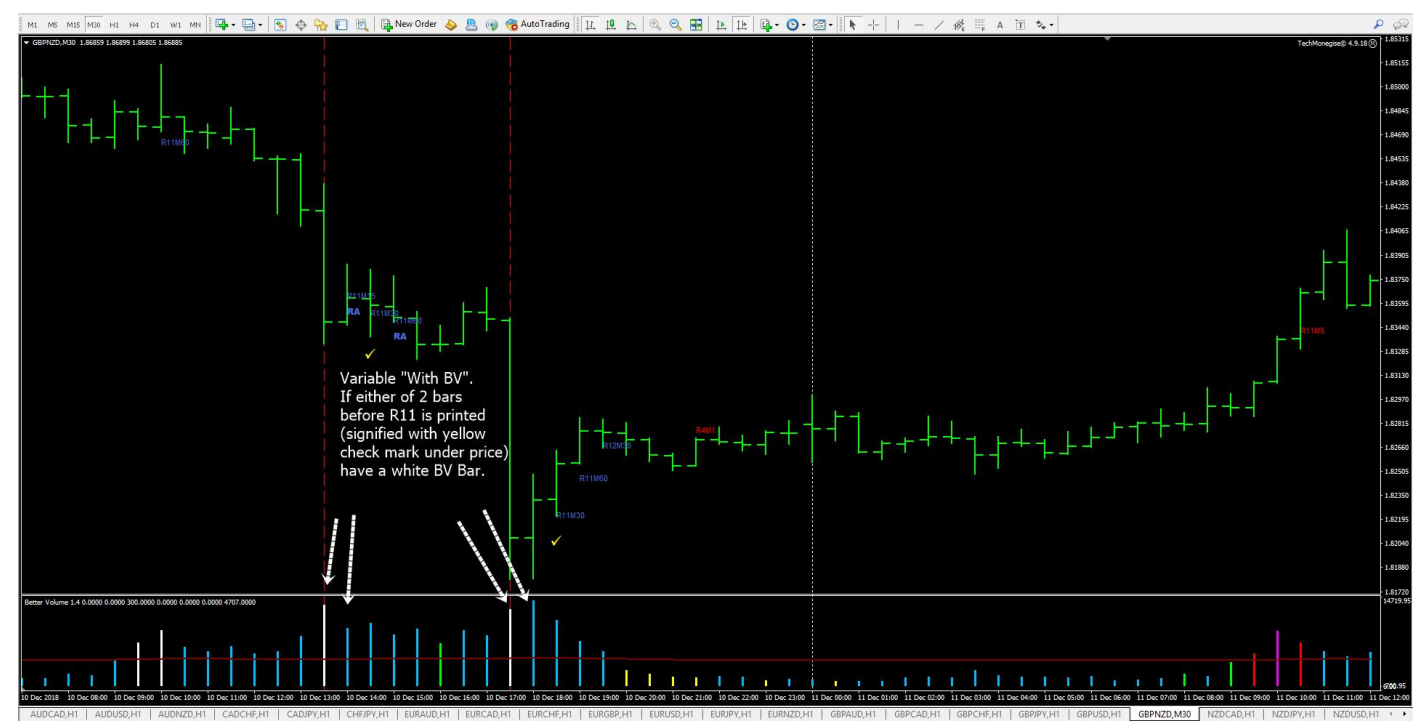
Appears in M15 on **Image**:



Variable: "R with ATR dot": True/False. Rule signal price bar must be accompanied by yellow ATR dot on long R's in TF Rule signal price bar occurs.

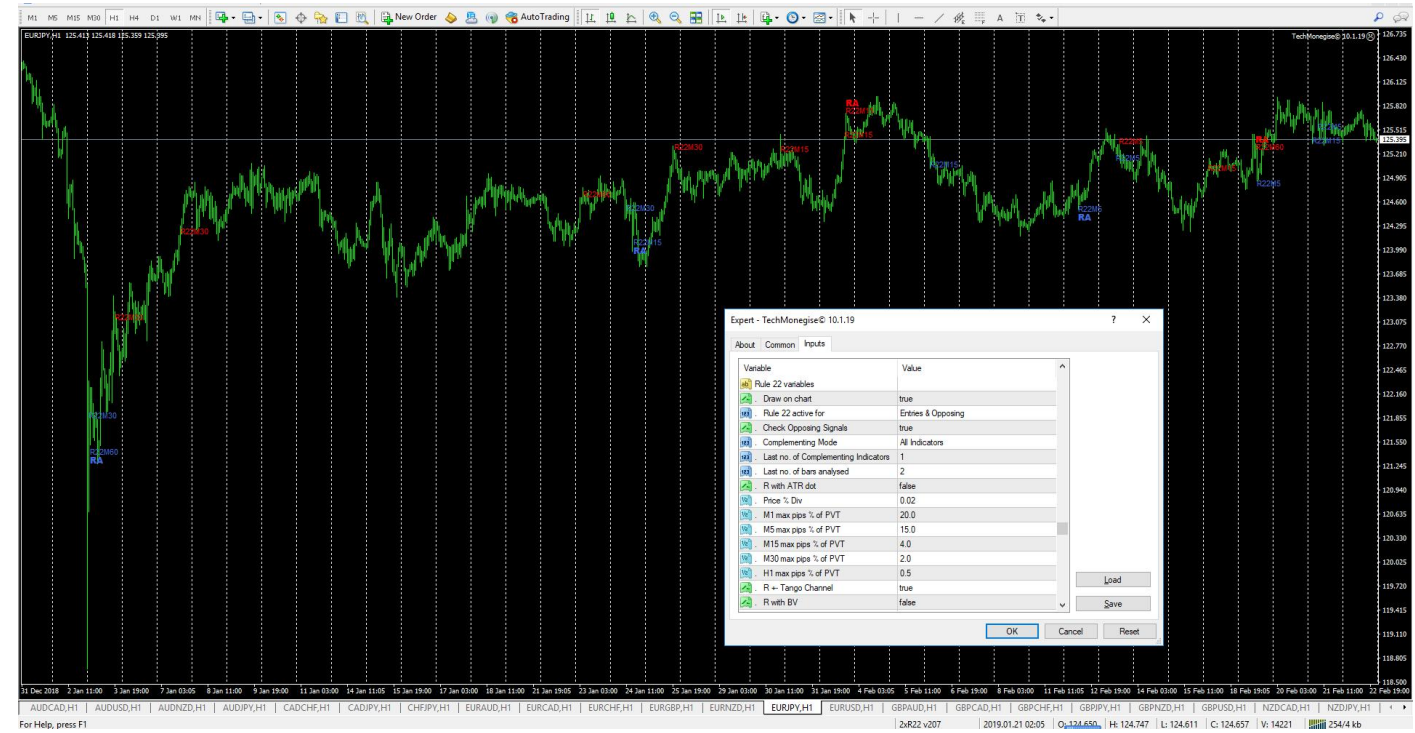
Variable: "R with BV": True/**False**. If true Rule signal bar or one before it (I.e one or two bars before R22 is printed) must have White Volume bar (Climax Low) in TF Rule signal price bar occurs.

Add new Variable: "Print Rule on chart": **True**/False.



R22 should look like this (I.e where R22 is stated on chart) on settings provided where two (although 1 is the value entered in RA) R22's make an RA:

Variables to use in this rule:



This Variable can be removed: "R22 active for": Entries and opposing, qualifying rules are counted for RA/RB/RE and opposing for RA/RB/RE. Only opposing be used to identify only opposing rule 11's in RA/RB/RE. None (not be used for forming entries or opposing).

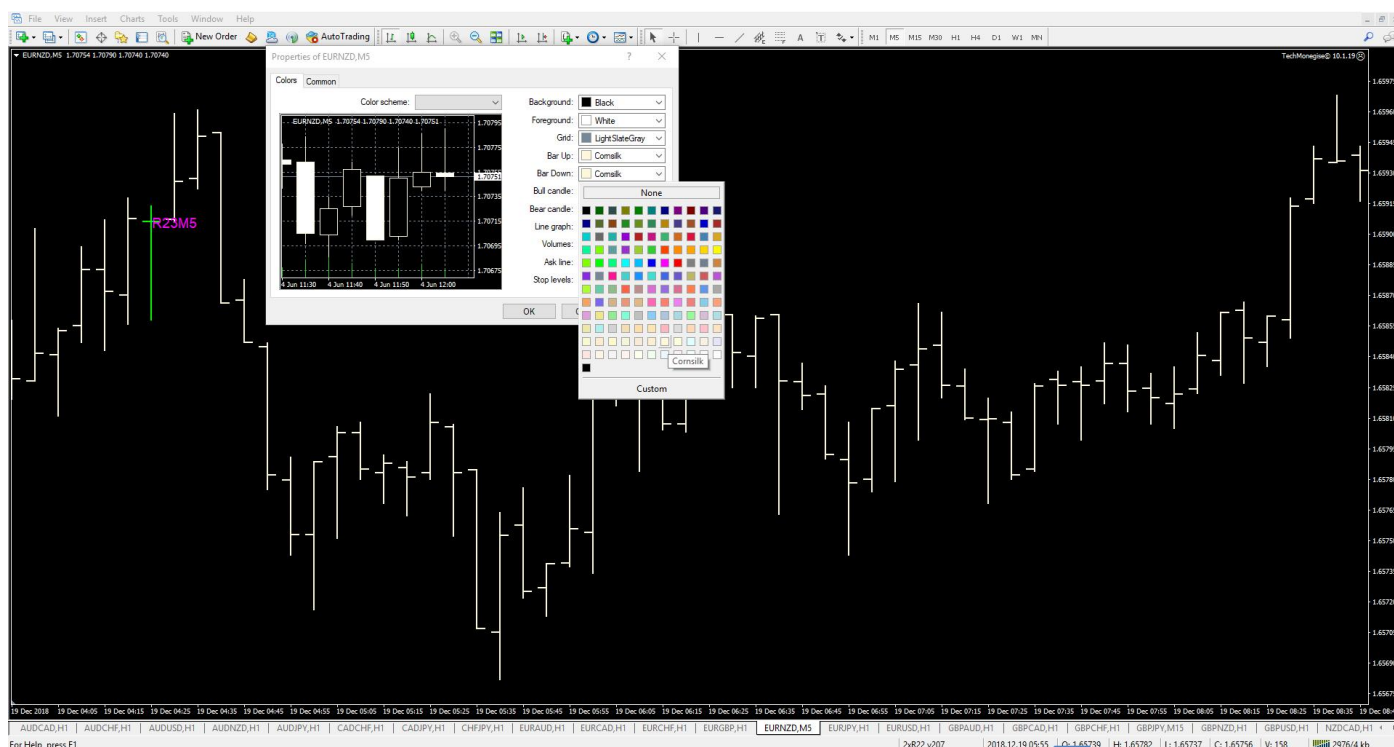
This rule applies to any TF between M1-H1.

23. (New needs to be coded-make sure it's included in RA.) When setting bar in charts to light colour such as "Corn silk", green bars (whose price opened and closed the same level) will appear. When that close price is lower than the close price of the previous bar. R23 must appear on the opening of bar after the green bar, but at the price of close of the green bar.

Before rule ensure the last consecutive complementing signals from specified indicators signals without opposing indicator signals or R's 1-24 signals between the value (for Variable: "Last no. of") on the TF the rule occurs. Variable "Complimenting Indicators": MAB&PIN or **All Indicators** (VDM, Tango line dot, iMA, Gap Finder, ADX_Alert Norbert_60seconds arrow, MAB (9), Pinbar detector, CCWSF, AO Divergence). Variable "Last no. of": 4. i.e if set to 4 there will be 4 consecutive complementing indicator signals before that rule. Features in this paragraph are not demonstrated in image below.

Rule signal bar must not have any other opposing indicators (VDM, Tango line dot, iMA, Gap Finder, ADX_Alert Norbert_60seconds arrow, MAB (9), Pinbar detector, CCWSF, AO Divergence) on it in that respective TF R has occurred. Variable: "Enable opposing": **True/False**.

Rule only valid if Rule price occurs below lower channel purple Tango dotted line for current bar close in the same TF as Rule. Variable: "R +- Tango channel": **True/False**. If value set to True, only those qualifying rules are counted for RA/RB/RE.



Variable "R23 active for": Entries and opposing, qualifying rules are counted for RA/RB/RE and opposing for RA/RB/RE. Only opposing be used to identify only opposing rule 23's in RA/RB/RE. None (not be used for forming entries or opposing). Therefore rule becomes completely inactive. This rule applies to M5-H1.

Variable: "R with BV": **True/False**. If true Rule signal bar or one before it (I.e one or two bars before R23 is printed) must have White Volume bar (Climax Low) in TF Rule signal price bar occurs.

24. Add your own profitable rule/strategy.

Must include:

Variable "R23 active for": Entries and opposing, qualifying rules are counted for RA/RB/RE and opposing for RA/RB/RE. Only opposing be used to identify only opposing rule 23's in RA/RB/RE. None (not be used for forming entries or opposing). Therefore rule becomes completely inactive. This rule applies to M5-H1.

Variable: "R with BV": **True/False**. If true Rule signal bar or one before it (I.e one or two bars before R24 is printed) must have White Volume bar (Climax Low) in TF Rule signal price bar occurs.

- Take RA code from EA supplied. Any of above R's 1-24 must occur an aggregate of at least three times. Stated by Variable "RA Consecutive R's 1-24 's": 3 consecutively without opposing R's 1-24 on rules designated TF's. The price of each R's 1-24 must be lower and at a later time than the prior one. Therefore close of 3rd (most recent) R's 1-24 must be lower in price and later time than that of 2nd R's 1-24. Respectively close of 2nd rule R's 1-24 must be lower in price and later in time than that of 1st R's 1-24. Each R's 1-24 can occur on rules designated TF's. If 1 or more opposing R's 1-24 occur at the same time (on same or different TF's), the RA count must begin from zero again. Once any R1-21 is used to form an RA, that same rule must not be used in the count to form another RA. Only count unused R's for new RA. However, **Note that R's classified as RE must not be counted again as part of new RA.** Unless Variable: "One entry per RA": in rule B is set to **True**, as explained in Rule B.

Note RA images are examples from v1 EA rules 1-5.

Therefore if Variable "Consecutive R's 1-24 ": is set to 2; RA can be made up of 2 x rule 1, Illustrated. in **Image**:



Each rule 1 to be counted only once in it's formation of any rule 1.

Or 2 x rule 2. Each rule 2 to be counted only once in it's formation of any rule 2.

Or 2 x rule 3 illustrated in **Image:**

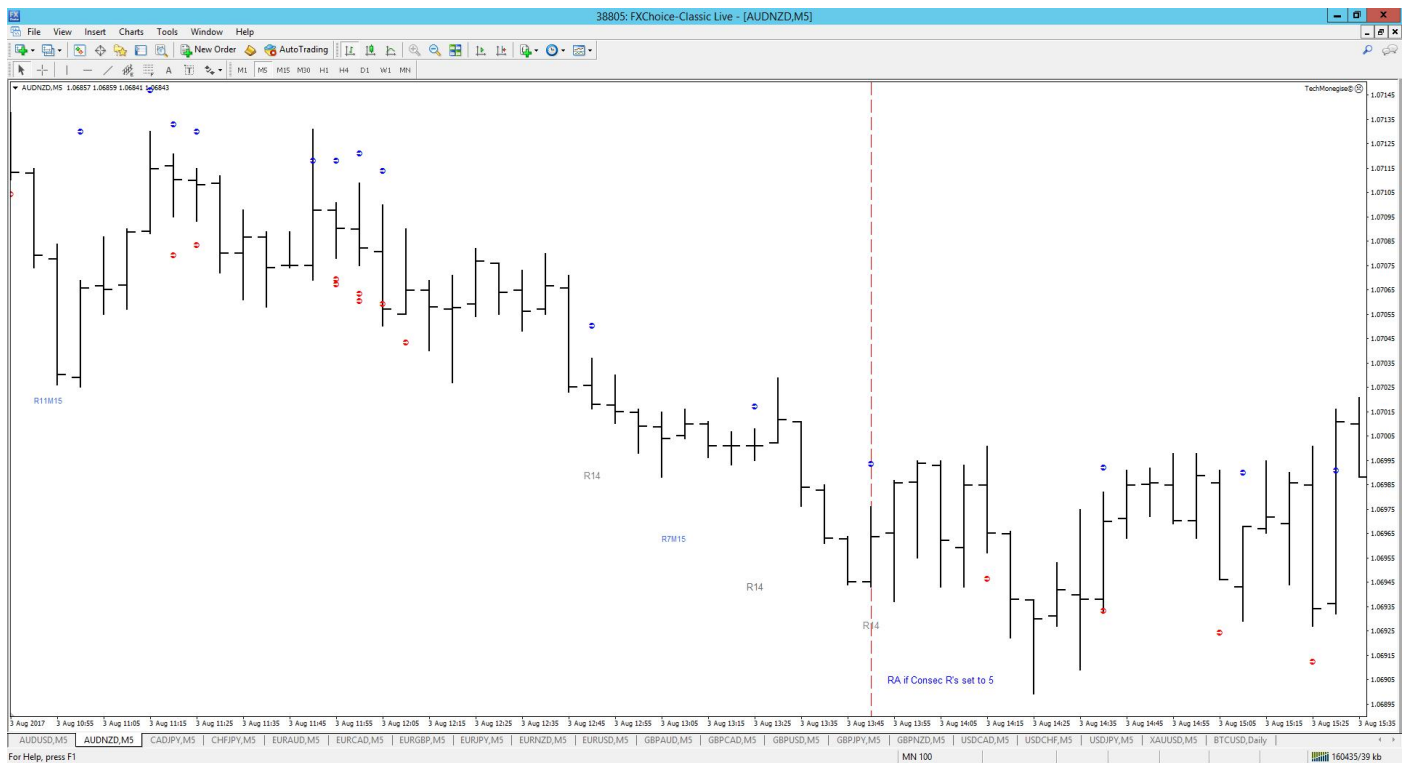


Or R5.1 and R4. Illustrated in **Image:**

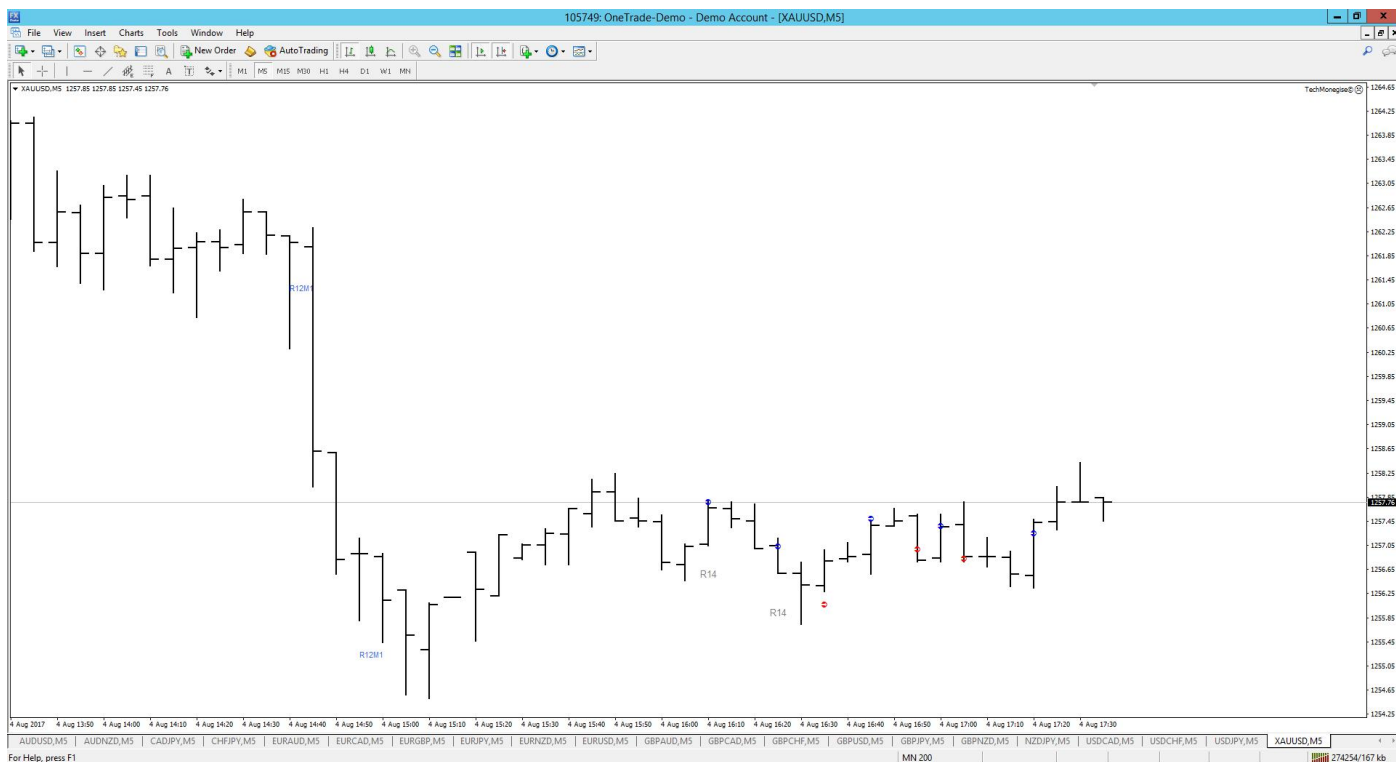


Each one of the rules must be at a lower price than the previous.

Or



Or if set to 4 Consecutive:



Add variable "RA Marked with:" RA or don't display. The 2 options in image below:



Add Variable: "RA Must be made up of different R's": True/False. If True: Variable "Consecutive R's 1-24 's'": is e.g set to 6; each of the six R's (R's 1-24) MUST BE DIFFERENT e.g R2, R4, R7, R11, R12, R15 each at a better price and later time than the previous R. Only one instance of the R is counted to make up the 4 consecutive R's that make up an RA as in example:

D. Exit trades profitably (after any cost of commission, spread and SWAP on trade) as follows with value of Variable: "Trail start%": 0.45 being calculated from one of the following 3 values to be selected...

Da. 1st R 1-23. If selected, then order closes with value "Trail by%" which starts from 1st (furthest left) R's 1-24 that made up entry.

Db. RA. If selected, then each order closes with value of "Trail by%". Those values calculated from RA.

Dc. Trail from entry. If selected, then each order closes with Variable: "Trail start %": 0.45 in profit (I.e price move) from each respective trade order entry.

Then in either of the 3 values above, the SL follows market price up with Variable: "Trail by%": 0.05. So this is the amount the trailing stop should be above market price as it moves into profit. Therefore to prevent loss the 1st R's 1-24, RA, "Trail start%" from start to entry must be larger than "Trail by%".

All exit orders in RD must execute at market so hidden from broker (stealth). Make so order never close at loss using "Trail by%", this is the method ALL profitable trades will close. Each subsequent valid RE entry must close with 1st R's 1-24 (Rule Da) and have the default "Trail by%" value increase by a quarter. Therefore, a default value of 0.15% becomes 0.1875%. RD exits are superseded (negated) if RE is active according to ("Rule E active": True/False) and occurs.

E. Another rule 1-23 occurs. RE occurs if an extra qualifying ("R's active for": Entries and opposing and ensuring it is different based on Variable: "RA Must be made up of different R's") one of these appears without opposing R's between it and RA and if price has not first hit "Invalidating price move from latest RA": 0.2 % then RE entries are valid. So in this instance it would be a 6th (furthest right) one. If price has not gone into profit by stipulated % as stated in Variable: "Invalidating price move from latest RE": 0.2 %; Then for remaining entries double the value of Variable "Risk % per order:". Therefore if set to 0.1%, entry volume/risk becomes 0.2%. For already opened trades on that instrument also double (+100%) value of Variable: "Trail by": 0.2%. E.g to 0.4%. Variable: "Double Trail by": True/False. If another qualifying 7th R's 1-24 occurs treble (+200%) original Variable "Risk % per order:" only. All other rules still apply. Calculated in same way as "Risk % per order:" Defined in RC use Variable: "Max % risk per order": 5. Variable: "Alert on RE and En5+": True/False. It must be marked on chart regardless of True/False, by default it should also show this info on chart EA status that currently displays last RA. If True on screen alert (sound and pop up message, and also printed in MT4 Journal) must operate in both EA and Indicator mode, every time RE and En5 occurs detailing e.g "RE (6th R's 1-24)". Add new Variable "For blocked RE and En5 close profits by%": 0.20. So EA closes open profitable trades (i.e at least 0.20% better price than they were opened) to open RE or En5 or higher that have been prevented from being opened due to Variable: "Max loss of open trades v bal <% " value (defined in RC).

Variable: "Rule E active": True/False. If false RE is completely shut down. If True, see example scenario of how Rule E works;

If Variable: "One entry per RA": is also True, and "RB entries from En:" 2. Note En 1 occurs at RA price and variable: "Fri RB entries from En:" 4. Set to GMT time, on Sunday entries resume if still valid. If set to 3, the first (of 5 entries as stipulated in RCd) entry is En3 (and last En8) i.e by the draw down as stated in "Price Entry Range": 0.5%, changes according to RH. This paragraph is stated in rule B. In described scenario in this paragraph the volume calculation in RE would still apply!

F. Any RE exits for open positions are superseded if an opposing signal RA occurs; close the open orders/position respectively as below:

Fa. Variable: "Close on reverse single R's 1-24 signal when in profit" True/False. Close each current open individual trade order on same pair/direction in profit by half the value set in "Trail by" and "Trail start" explained in RD.

Fb. Variable: "Close in profit on opposing respective RA": True/False. If true close each current open individual trade order on same pair/direction in profit by half the value set in "Trail by" and "Trail start" explained in RD.

Make all RF exits at market so hidden from broker (stealth). If all 2 values set to true; "Close in profit on opposing respective RA" supersedes. RFa and RFb must be able to work together and both be set to true by default. If all 2 set to false, on opposing RA trade will close on SL or trailing SL defined in rule RD and RE respectively.

G. Global Variables;

-No new trades should be opened on account from Fri 4pm GMT for rest of day, close all trades open on account when each in profit (by at least 0.10% after any cost of commission, spread and SWAP on trade) from 4pm GMT Fri, then close any unprofitable trades on account from Fri 7pm GMT. Variable can be called "Safer Wkend": True/False.

- "Only count from R's lowest TF history available": True/False. Meaning don't show/count (for RA) R's that would appear before where the lowest TF history is not available.

- Add global Variable: "Comment" field that user can fill in EA setting

- Add simple to administer security license scheme to be used if EA were to be sold: E.g explained here <https://www.mql5.com/en/code/15534>.

Variable: "Account number": 123344, so check for EA license use, with date for expiry, if blank then works indefinitely. Account number and date to be changed from source code fields.

- Variable: "No new entries between": 18 Dec and 7 Jan. Only closure (according to rules) of existing trades on acc occurs between these low volume dates.

-Full logs feature to be built with Variable "Logger Function" True/False. So that EA would do full logs of all actions.

-Display dynamic spread on each chart in points and as % of price. E.g if price is 2.1000, Spread shown is 0.03% and 63 points.

H. When price for last 24 market hrs is X%-X%. The values of the respective "Price entry range %" (explained in RB) for current (last 24 hrs) volatility should be used for ALL NEW RB & RE entries.

If price range (hi-lo) below 3% in last 24 market HOURS = "Price entry range %": default value used.

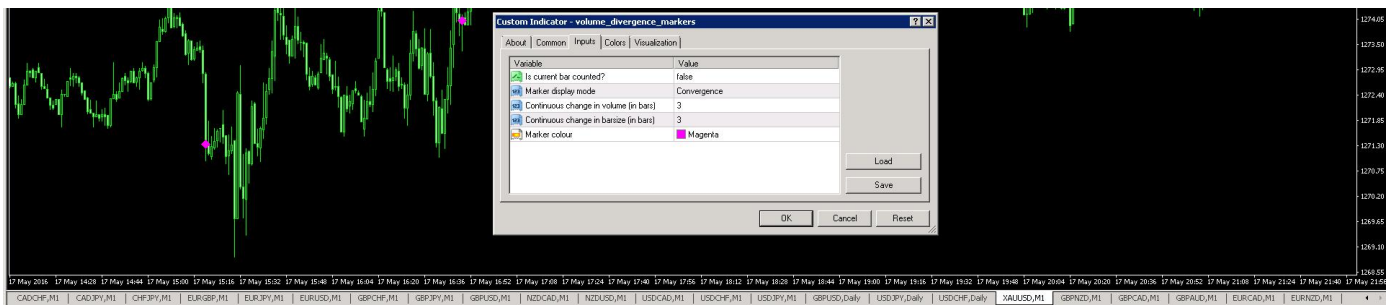
If price range (hi-lo) between 3%-6% in last 24 market HOURS = "Price entry range %" 0.40%.

If price range (hi-lo) between 6%-9% in last 24 market HOURS = "Price entry range %" 0.70%.

If price range (hi-lo) between over 9% in last 24 market HOURS = "Price entry range %" 1%.

Short when:

1. *Volume_Divergence_Markers* on custom settings shown in **Image**:

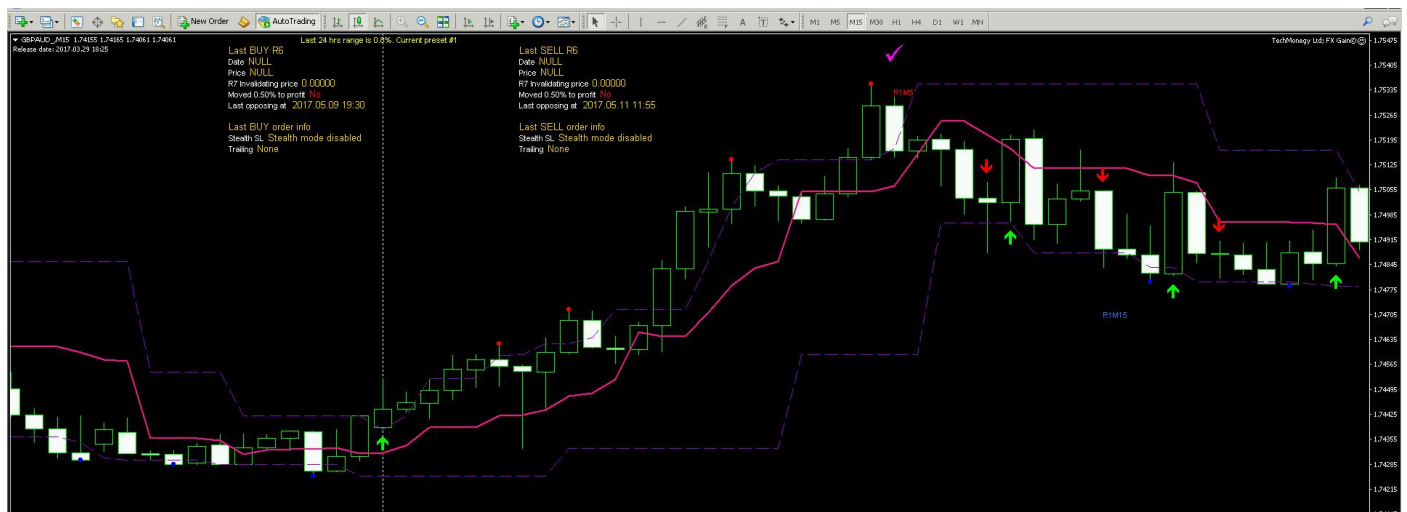


When a Sell VDM appears; that price bar (close is the R1 price) and the previous (preceding) price bar must both close down. "Show diamonds on chart": True/False. Going back 10 price bars ("Last no. of bars analysed": 10) from Volume_Divergence_Mark, price must have closed lower by at least 0.05%. "Price % Div": 0.05. And; Going back 10 price bars ("Last no. of bars analysed": 10) from Volume_Divergence_Mark, the white Volume MA line must have closed up 0.01%. Variable: "VMA % Div": 0.01. Going back 10 price bars ("Last no. of bars analysed": 10) from Volume_Divergence_Mark, the blue Accumulation Indicator A/D line must have closed up by at least the fixed value stipulated (per minute of TF being analysed). Variable: "A/D Diff per TF minute": 200. So if value set to 500. It will look for a difference of 2,500 on the M5 TF, 7,500 on the M15 TF etc.

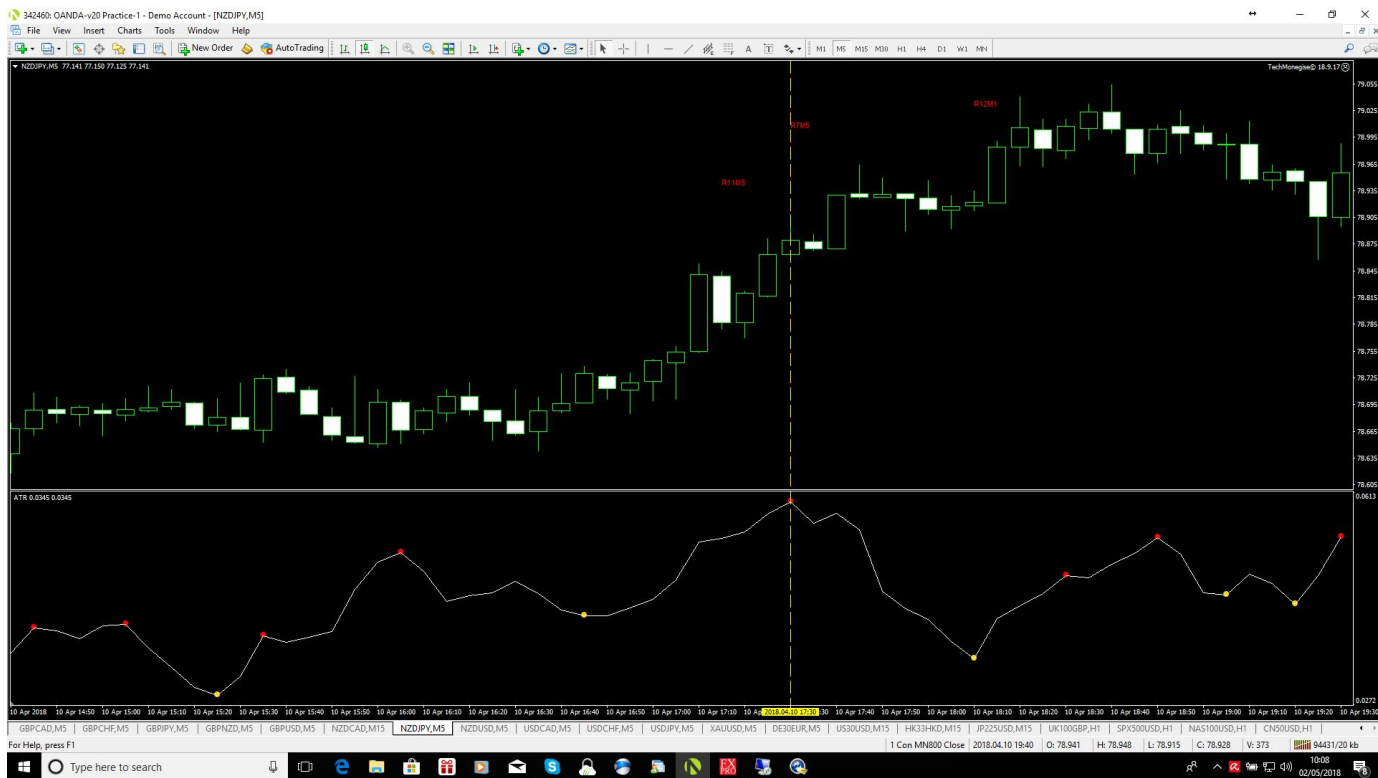
Before rule ensure the last consecutive complimenting signals from specified indicators signals without opposing indicator signals or R's 1-24 signals between the value (for Variable: "Last no. of") on the TF the rule occurs. Variable "Complimenting Indicators": MAB&PIN or All Indicators (VDM, Tango line dot, iMA, Gap Finder, ADX_Alert Norbert_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence). Variable "Last no. of": 4. i.e if set to 4 there will be 4 consecutive complementing indicator signals before that rule. Features in this paragraph are not demonstrated in image below.

Rule signal bar must not have any other opposing indicators (VDM, Tango line dot, iMA, Gap Finder, ADX_Alert Norbert_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence) on it in that respective TF R has occurred. Variable: "Enable opposing": True/False.

Rule only valid if Rule price occurs above upper channel purple Tango dotted line for current bar close in the same TF as Rule. Variable: "R +/- Tango channel": True/False. If value set to True, only those qualifying rules are counted for RA/RB/RE. Demonstrated in image below.



Variable: "R with ATR dot": True/False. Rule signal price bar must be accompanied by red ATR dot on Short R's in TF Rule signal price bar occurs. See image below:



Variable "R1 active for": Entries and opposing, qualifying rules are counted for RA/RB/RE and opposing for RA/RB/RE. Only opposing be used to identify only opposing rule 1's in RA/RB/RE. None (not be used for forming entries or opposing). Therefore rule becomes completely inactive. This rule applies to any TF between M1-M30.

- When all 4 consecutive red volume bars close above *SMA line* (VolumeMA) and the corresponding 4th (furthest left) price bar closes lower than the 1st (furthest right) close is the price of the R2, by at least Variable "Price % Diff": 0.3 (0.3%). Going back 15 price bars ("Last no. of bars analysed": 15) the blue *Accumulation Indicator A/D line* must have closed down by at least the fixed value stipulated (per minute of TF being analysed). Variable: "A/D Diff per TF minute": 500. So if value set to 500. It will look for a difference of 2,500 on the M5 TF, 7,500 on the M15 TF etc. This signal is illustrated in M30 TF in **Image** below and signal marked with a green dotted vertical line.

Before rule ensure the last consecutive complimenting signals from specified indicators signals without opposing indicator signals or R's 1-24 signals between the value (for Variable: "Last no. of") on the TF the rule occurs. Variable "Complimenting Indicators": MAB&PIN or **All Indicators** (VDM, Tango line dot, iMA, Gap Finder, ADX_Alert Norbert_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence). Variable "Last no. of": 4. i.e if set to 4 there will be 4 consecutive complementing indicator signals before that rule. Features in this paragraph are not demonstrated in image below.

Rule signal bar must not have any other opposing indicators (VDM, Tango line dot, iMA, Gap Finder, ADX_Alert Norbert_60seconds arrow, MAB (9), Pinbar detector, CCwSF, **AO Divergence**) on it in that respective TF R has occurred. Variable: "Enable opposing": **True/False**.

Each rule 2 can occur on any single TF between M1-M30. Rule only valid if Rule price occurs above upper channel purple Tango dotted line for current bar close in the same TF as Rule. Variable: "R +- Tango channel": **True/False**. If value set to True, only those qualifying rules are counted for RA/RB/RE. Demonstrated in **Image** below. Rule 2 formation is demonstrated in **Image**:



Variable: "R with ATR dot": **True/False**. Rule signal price bar must be accompanied by red ATR dot on Short R's in TF Rule signal price bar occurs.

Variable "R2 active for": Entries and opposing, qualifying rules are counted for RA/RB/RE and opposing for RA/RB/RE. Only opposing be used to identify only opposing rule 2's in RA/RB/RE. None (not be used for forming entries or opposing). This rule applies to any TF between M1-M30.

- When on same price bar the following 4 indicators occur: the TechMoney Ltd-M EA (same as Moving Average EA on MT4 platform) on default settings shown in **Image** (use code of this EA to make this indicator) red sideways sell signal occurs (this is the price of the R3). The red side way arrow must be above deep pink tango line. Ensure spread is equally added for both buy and sell with "Pips spread": 2. A red ADX_Alert (Norbert_60seconds) sell arrow occurs. A red below SMA line (VolumeMA) volume bar occurs. Going back 15 price bars ("Last no. of bars analysed": 15) the blue Accumulation Indicator A/D line must have closed down by at least the fixed value stipulated (per minute of TF being analysed). Variable: "A/D Diff per TF minute": 500. So if value set to 500. It will look for a difference of 2,500 on the M5 TF, 7,500 on the M15 TF etc.

Before rule ensure the last consecutive complimenting signals from specified indicators signals without opposing indicator signals or R's 1-24 signals between the value (for Variable: "Last no. of") on the TF the rule occurs. Variable "Complimenting Indicators": MAB&PIN or All Indicators (VDM, Tango line dot, iMA, Gap Finder, ADX_Alert Norbert_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence). Variable "Last no. of": 4. i.e if set to 4 there will be 4 consecutive complementing indicator signals before that rule. Features in this paragraph are not demonstrated in image below.

Rule signal bar must not have any other opposing indicators (VDM, Tango line dot, iMA, Gap Finder, ADX_Alert Norbert_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence) on it in that respective TF R has occurred. Variable: "Enable opposing": **True/False**.

It has occurred **Image** below is a rule 3 signal.



Variable: "R with ATR dot": **True/False**. Rule signal price bar must be accompanied by red ATR dot on Short R's in TF Rule signal price bar occurs.

Variable "R3 active for": Entries and opposing, qualifying rules are counted for RA/RB/RE and opposing for RA/RB/RE. Only opposing be used to identify only opposing rule 3's in RA/RB/RE. None (not be used for forming entries or opposing). This rule applies to any TF between M1-M30.

Variable: "R with BV": **True/False**. If true Rule signal bar or one before it (I.e one or two bars before R is printed) must have Red Volume bar (Climax High) in TF Rule signal price bar occurs.

4. When *Gap_Finder* (either blue bullish or red bearish indicator) regardless of gap closed or not (Variable "Min gap size in points": 5) appears **above upper Tangoline** indicator, that price bar has *Tangoline* dot named "reversal bar" (if you hover mouse over it) at top of price, the Volume bar is Green and above the SMA line, while the 2 volume bars either side are red and lower in value than the middle green volume value. The 3rd (most recent) bar close (this is the price of R4) must be higher than the price of the appearance of the Gap Finder on previous (middle) bar. Going back 15 price bars ("Last no. of bars analysed": 15) the blue *Accumulation Indicator A/D line* must have closed down by at least the fixed value stipulated (per minute of TF being analysed). Variable: "A/D Diff per TF minute": 500. So if value set to 500. It will look for a difference of 2,500 on the M5 TF, 7,500 on the M15 TF etc.

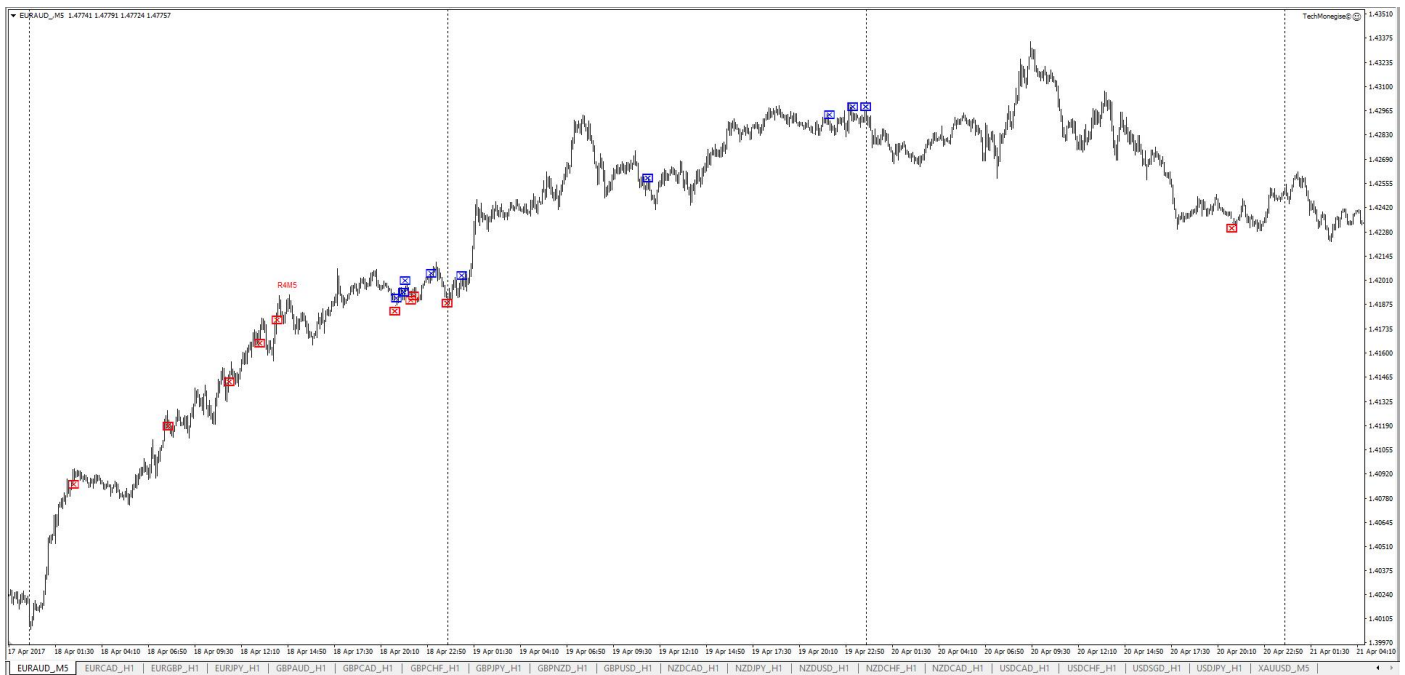
Before rule ensure the last consecutive complimenting signals from specified indicators signals without opposing indicator signals or R's 1-24 signals between the value (for Variable: "Last no. of") on the TF the rule occurs. Variable "Complimenting Indicators": MAB&PIN or **All Indicators** (VDM, Tango line dot, iMA, Gap Finder, ADX_Alert Norbert_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence). Variable "Last no. of": 4. i.e if set to 4 there will be 4 consecutive complementing indicator signals before that rule. Features in this paragraph are not demonstrated in image below.

Rule signal bar must not have any other opposing indicators (VDM, Tango line dot, iMA, Gap Finder, ADX_Alert Norbert_60seconds arrow, MAB (9), Pinbar detector, CCwSF, **AO Divergence**) on it in that respective TF R has occurred. Variable: "Enable opposing": **True/False**. **Image:**



Or





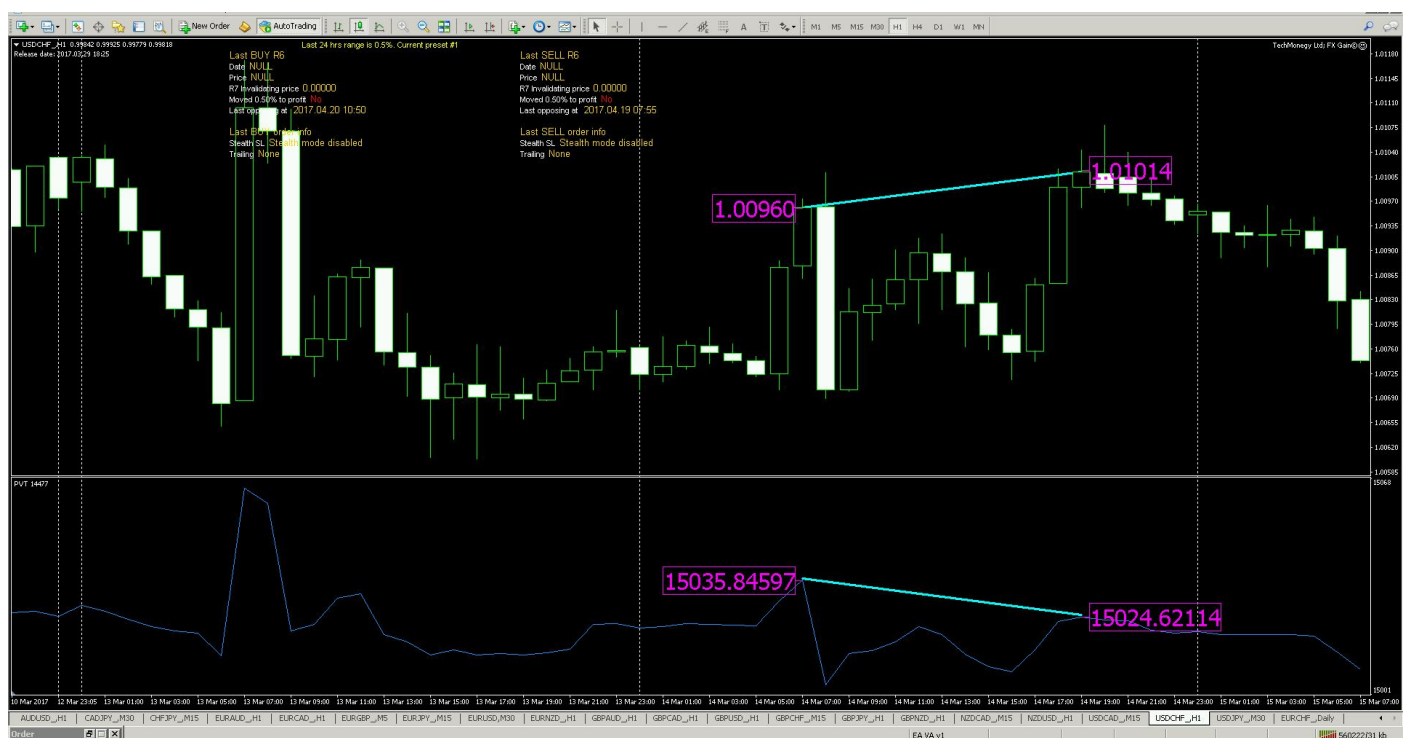
Variable: "R with ATR dot": **True/False**. Rule signal price bar must be accompanied by red ATR dot on Short R's in TF Rule signal price bar occurs.

Variable "R4 active for": Entries and opposing, qualifying rules are counted for RA/RB/RE and opposing for RA/RB/RE. Only opposing be used to identify only opposing rule 4's in RA/RB/RE. None (not be used for forming entries or opposing). This rule applies to any TF between M1-M30.

- When Price closes at new high (determined by Variable "Price min div %": 0.05) compared to the price it closed at X bars ago (determined by search period with Variable "Max price bars back": 13). Simultaneously for same period PVT closes down by value in Variable "Min PVT diff": 1 (this is for M5, it is multiplied up by 2.5 for every additional M5 TF. E.g for H1 TF value is 30).

Before rule ensure the last consecutive complimenting signals from specified indicators signals without opposing indicator signals or R's 1-24 signals between the value (for Variable: "Last no. of") on the TF the rule occurs. Variable "Complimenting Indicators": MAB&PIN or All Indicators (VDM, Tango line dot, iMA, Gap Finder, ADX_Alert Norbert_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence). Variable "Last no. of": 4. i.e if set to 4 there will be 4 consecutive complementing indicator signals before that rule. Features in this paragraph are not demonstrated in image below.

Rule signal bar must not have any other opposing indicators (VDM, Tango line dot, iMA, Gap Finder, ADX_Alert Norbert_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence) on it in that respective TF R has occurred. Variable: "Enable opposing": **True/False**. This set up is illustrated in **Image**:



Rule only valid if Rule price occurs above upper channel purple Tango dotted line for current bar close in the same TF as Rule. Variable: "R +- Tango channel": **True/False**. If value set to True, only those qualifying rules are counted for RA/RB/RE. Demonstrated in image below.

Variable: "R with ATR dot": **True/False**. Rule signal price bar must be accompanied by red ATR dot on Short R's in TF Rule signal price bar occurs.

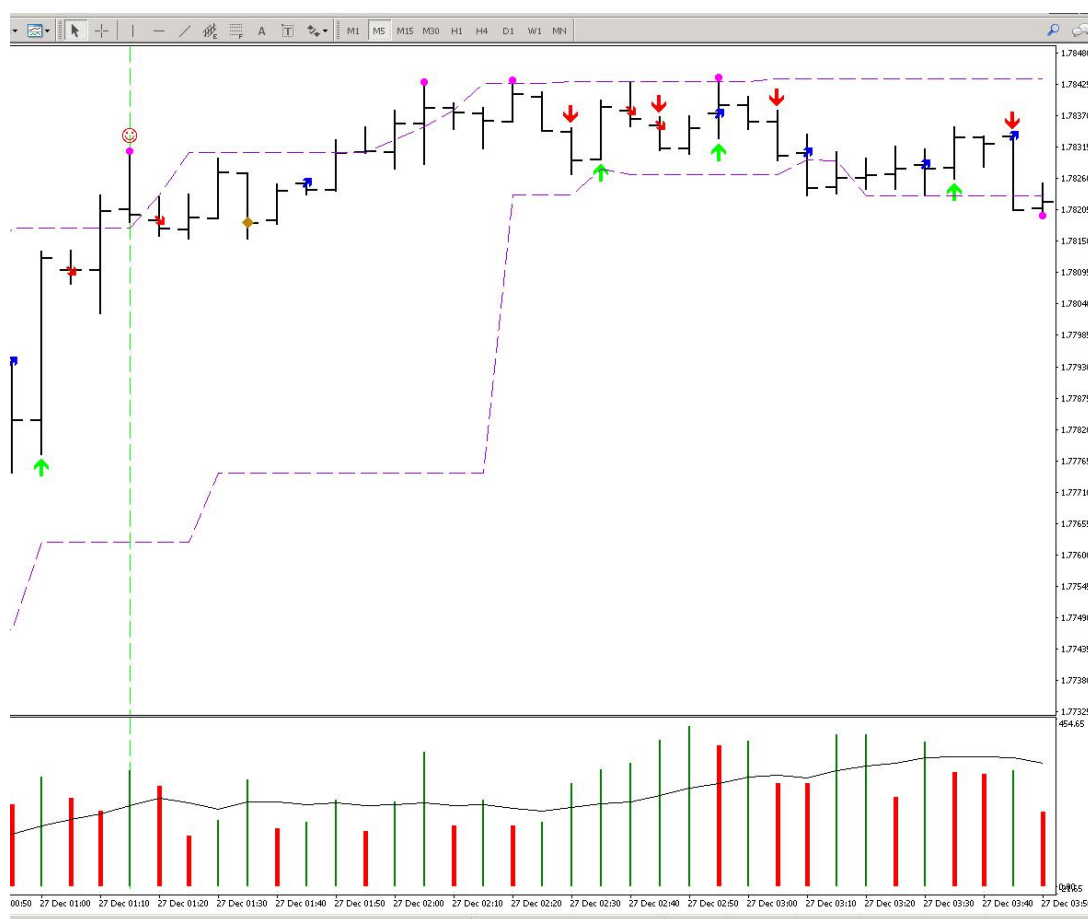
Variable "R5 active for": Entries and opposing, qualifying rules are counted for RA/RB/RE and opposing for RA/RB/RE. Only opposing be used to identify only opposing rule 5's in RA/RB/RE. None (not be used for forming entries or opposing). This rule applies to any TF between M5-H1.

6. When a red sell *Pin Bar Detector* indicator appears (on default values of indicator) above price bar, that price bar opens and closes above upper *Tangoline* indicator, and does not make a low equal to or greater than upper *Tangoline* indicator, that price bar must have *Tangoline* dot named "reversal bar" (if you hover mouse over it) at top of price, the Volume bar is Green and above the SMA line, while the 2 volume bars either side are red and lower in value than the middle green volume value. This rule occurs on the 3rd (most recent) price bar close (this is the price of R6) when it closes up and higher than the close price of the previous (middle) bar.

Before rule ensure the last consecutive complimenting signals from specified indicators signals without opposing indicator signals or R's 1-24 signals between the value (for Variable: "Last no. of") on the TF the rule occurs. Variable "Complimenting Indicators": MAB&PIN or **All Indicators** (VDM, Tango line dot, iMA, Gap Finder, ADX_Alert Norbert_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence). Variable "Last no. of": 4. i.e if set to 4 there will be 4 consecutive complementing indicator signals before that rule. Features in this paragraph are not demonstrated in image below.

Rule signal bar must not have any other opposing indicators (VDM, Tango line dot, iMA, Gap Finder, ADX_Alert Norbert_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence) on it in that respective TF R has occurred. Variable: "Enable opposing": **True/False**.

The middle bar is marked with vertical dotted line in Image below (note this rule is set up is a rare occurrence and it's frequency likely to be once every 6 wks per TF):



Variable: "R with ATR dot": **True/False**. Rule signal price bar must be accompanied by red ATR dot on Short R's in TF Rule signal price bar occurs.

Variable "R6 active for": Entries and opposing, qualifying rules are counted for RA/RB/RE and opposing for RA/RB/RE. Only opposing be used to identify only opposing rule 6's in RA/RB/RE. None (not be used for forming entries or opposing). This rule can only occur on M1-H1 TF.

7. When a red *Tangoline* dot named "reversal bar" (if you hover mouse over it) at top of price bar appears, that price bar closes up and Above upper *Tangoline* indicator, and does not make a low equal to or greater than upper *Tangoline* indicator.

Before rule ensure the last consecutive complimenting signals from specified indicators signals without opposing indicator signals or R's 1-24 signals between the value (for Variable: "Last no. of") on the TF the rule occurs. Variable "Complimenting Indicators": MAB&PIN or **All Indicators** (VDM, Tango line dot, iMA, Gap Finder, ADX_Alert Norbert_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence). Variable "Last no. of": 4. i.e if set to 4 there will be 4 consecutive complementing indicator signals before that rule. Features in this paragraph are not demonstrated in image below.

Rule signal bar must not have any other opposing indicators (VDM, Tango line dot, iMA, Gap Finder, ADX_Alert Norbert_60seconds arrow, MAB (9), Pinbar detector, CCwSF, **AO Divergence**) on it in that respective TF R has occurred. Variable: "Enable opposing": **True/False**.



Variable: "R with ATR dot": **True/False**. Rule signal price bar must be accompanied by red ATR dot on Short R's in TF Rule signal price bar occurs.

Variable "R7 active for": Entries and opposing, qualifying rules are counted for RA/RB/RE and opposing for RA/RB/RE. Only opposing be used to identify only opposing rule R7 in RA/RB/RE. None (not be used for forming entries or opposing). This rule can only occur on M5-H1 TF.

Variable: "R with BV": **True/False**. If true Rule signal bar or one before it (I.e one or two bars before R is printed) must have Red Volume bar (Climax High) in TF Rule signal price bar occurs.

8. When a red **ADX_Alert** (Norbert_60seconds) sell arrow occurs (on default values of indicator) above price bar, that price bar closes below lower *Tangoline* indicator, the Volume bar is Green and above the SMA line, while the 2 volume bars either side are red and lower in value than the middle green volume value. This rule occurs on the 3rd (most recent) bar close (this is the price of R8) when higher than the close price of the previous (middle) bar. From this middle bar (marked with dotted vertical line) going back 15 price bars ("Last no. of bars analysed": 15) the white *Volume MA* line must have closed up by at least 5% lower. "VMA % R8": 5. Going back 15 price bars ("Last no. of bars analysed": 15) the blue *Accumulation Indicator A/D* line must have closed up by at least the fixed value stipulated (per minute of TF being analysed). Variable: "A/D Diff per TF minute": 500. So if value set to 500. It will look for a difference of 2,500 on the M5 TF, 7,500 on the M15 TF etc. R7 can occur on any TF between M1-M30. Only the above *SMA* and *Accumulation Indicator A/D* relationship must also occur on at least 2 other TF between M1-H4 from current signal bar simultaneously. Variable: "Simultaneous other TF occurrence": 2.

Before rule ensure the last consecutive complimenting signals from specified indicators signals without opposing indicator signals or R's 1-24 signals between the value (for Variable: "Last no. of") on the TF the rule occurs. Variable "Complimenting Indicators": MAB&PIN or **All Indicators** (VDM, Tango line dot, iMA, Gap Finder, ADX_Alert Norbert_60seconds arrow, MAB (9), Pinbar detector, CCwSF, **AO Divergence**). Variable "Last no. of": 4. i.e if set to 4 there will be 4 consecutive complementing indicator signals before that rule. Features in this paragraph are not demonstrated in image below.

Rule signal bar must not have any other opposing indicators (VDM, Tango line dot, iMA, Gap Finder, ADX_Alert Norbert_60seconds arrow, MAB (9), Pinbar detector, CCwSF, **AO Divergence**) on it in that respective TF R has occurred. Variable: "Enable opposing": **True/False**.

Signal is marked with a dotted vertical line in Image below:



Variable: "R with ATR dot": **True/False**. Rule signal price bar must be accompanied by red ATR dot on Short R's in TF Rule signal price bar occurs.

Variable "R8 active for": Entries and opposing, qualifying rules are counted for RA/RB/RE and opposing for RA/RB/RE. Only opposing be used to identify only opposing rule 8's in RA/RB/RE. None (not be used for forming entries or opposing). This rule applies to any TF between M1-M30.

9. When a 9 with same colour arrow above it from *MAB_TD_Sequential* indicator (on default values) appears above price bar, that price bar closes (this is the price of R9) above upper *Tangoline* indicator. Plus either of the following 9.1) Volume bar is Green and above the SMA line, while the 2 volume bars either side are red and lower in value than the middle green volume value. Or 9.2) The volume bar is below SMA Line. The volume bars either side don't matter. Variable "Volume mode": A or B or Both.

Before rule ensure the last consecutive complimenting signals from specified indicators signals without opposing indicator signals or R's 1-24 signals between the value (for Variable: "Last no. of") on the TF the rule occurs. Variable "Complimenting Indicators": MAB&PIN or All Indicators (VDM, Tango line dot, iMA, Gap Finder, ADX_Alert Norbert_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence). Variable "Last no. of": 4. i.e if set to 4 there will be 4 consecutive complementing indicator signals before that rule. Features in this paragraph are not demonstrated in image below.

Rule signal bar must not have any other opposing indicators (VDM, Tango line dot, iMA, Gap Finder, ADX_Alert Norbert_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence) on it in that respective TF R has occurred. Variable: "Enable opposing": **True/False**.

The middle bar is marked with vertical dotted line in Image below:

9.1)



9.2)



Variable: "R with ATR dot": **True/False**. Rule signal price bar must be accompanied by red ATR dot on Short R's in TF Rule signal price bar occurs.

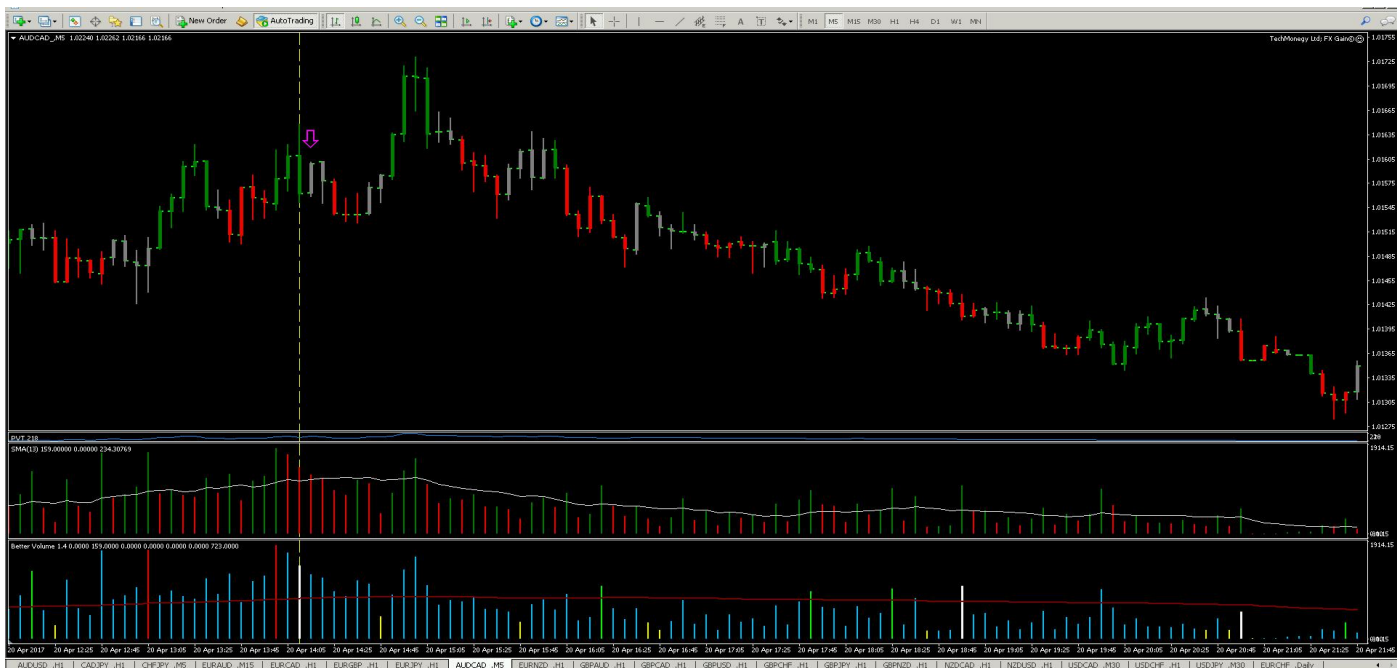
Variable "R9 active for": Entries and opposing, qualifying rules are counted for RA/RB/RE and opposing for RA/RB/RE. Only opposing be used to identify only opposing rule 9's in RA/RB/RE. None (not be used for forming entries or opposing). This rule applies to any TF between M1-M30.

- When a green *Zone Trade_v2.4* (in default settings) price bar closes. On same bar volume closes red and above SMA white line. On same bar *Better Volume* (in default settings) closes white and above it's maroon MA line. When all 3 events occur on same bar close (marked with yellow vertical line) this is the price of R10.

Before rule ensure the last consecutive complimenting signals from specified indicators signals without opposing indicator signals or R's 1-24 signals between the value (for Variable: "Last no. of") on the TF the rule occurs. Variable "Complimenting Indicators": MAB&PIN or **All Indicators** (VDM, Tango line dot, iMA, Gap Finder, ADX_Alert Norbert_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence).

Variable "Last no. of": 4. i.e if set to 4 there will be 4 consecutive complementing indicator signals before that rule. Features in this paragraph are not demonstrated in image below.

Rule signal bar must not have any other opposing indicators (VDM, Tango line dot, iMA, Gap Finder, ADX_Alert Norbert_60seconds arrow, MAB (9), Pinbar detector, CCwSF, **AO Divergence**) on it in that respective TF R has occurred. Variable: "Enable opposing": **True/False**.



Rule only valid if Rule price occurs above upper channel purple Tango dotted line for current bar close in the same TF as Rule. Variable: "R +- Tango channel": **True/False**. If value set to True, only those qualifying rules are counted for RA/RB/RE. Demonstrated in image below.

Variable: "R with ATR dot": **True/False**. Rule signal price bar must be accompanied by red ATR dot on Short R's in TF Rule signal price bar occurs.

Variable "R20 active for": Entries and opposing, qualifying rules are counted for RA/RB/RE and opposing for RA/RB/RE. Only opposing be used to identify only opposing rule 20's in RA/RB/RE. None (not be used for forming entries or opposing). This rule applies to any TF between M5-M30.

11. (Same as R11 is coded in EA v2.05. Leave as is in supplied V2.08!!) When price close down compared to the close of the previous price bar close by at least 0.015% Variable "Min % price difference": 0.015. Simultaneously PVT (indicator on default settings) value closes down compared to the value of the previous bar close. Based on signal below in image; if 0.015% price difference is 1.4 pips and PVT difference is 7.20, for these figures the pips portion is 19.44% of PVT difference. They are displayed in R9 currently in Image below:
R11 occurs at close of price bar 2. Each TF has it's own Variable: "M1 max pips % of PVT": 20. Variable: "M5 max pips % of PVT": 15. Variable: "M15 max pips % of PVT": 4. Variable: "M30 max pips % of PVT": 2. Variable: "H1 max pips % of PVT": 0.5.

Before rule ensure the last consecutive complimenting signals from specified indicators signals without opposing indicator signals or R's 1-24 signals between the value (for Variable: "Last no. of") on the TF the rule occurs. Variable "Complimenting Indicators": MAB&PIN or All Indicators (VDM, Tango line dot, iMA, Gap Finder, ADX_Alert Norbert_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence). Variable "Last no. of": 4. i.e if set to 4 there will be 4 consecutive complementing indicator signals before that rule. Features in this paragraph are not demonstrated in image below.

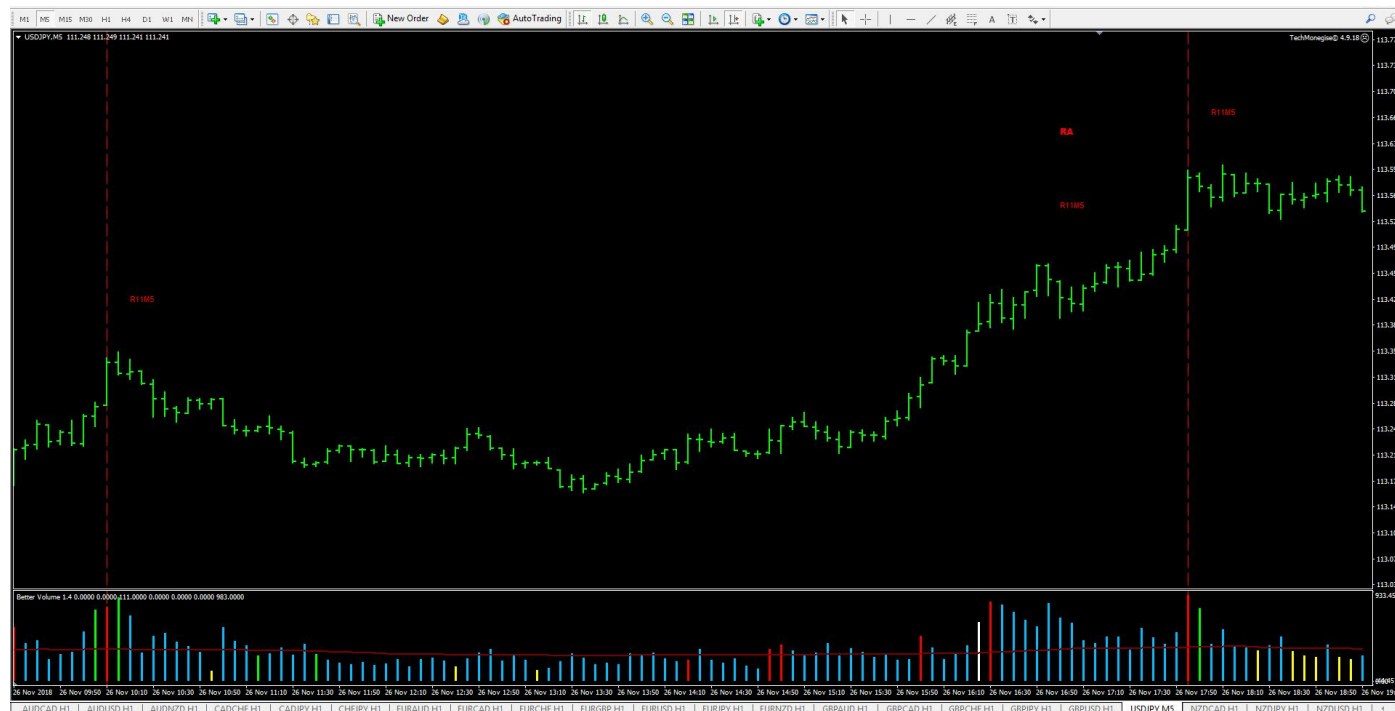
Rule signal bar must not have any other opposing indicators (VDM, Tango line dot, iMA, Gap Finder, ADX_Alert Norbert_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence) on it in that respective TF R has occurred. Variable: "Enable opposing": **True/False**.

Appears in H1 on Image:

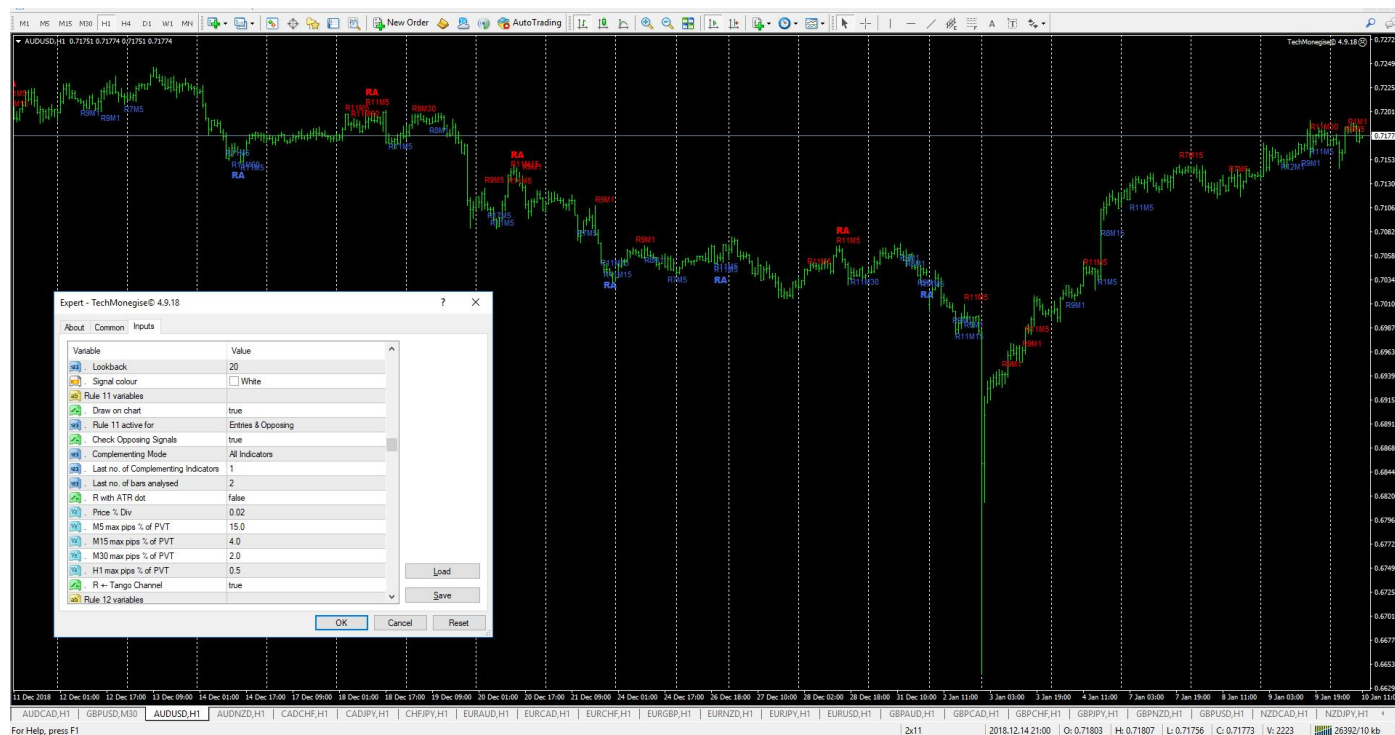


Variable: "R with ATR dot": **True/False**. Rule signal price bar must be accompanied by red ATR dot on Short R's in TF Rule signal price bar occurs.

Variable: "R with BV": **True/False**. If true Rule signal bar or one before it (I.e one or two bars before R11 is printed) must have Red Volume bar (Climax High) in TF Rule signal price bar occurs.

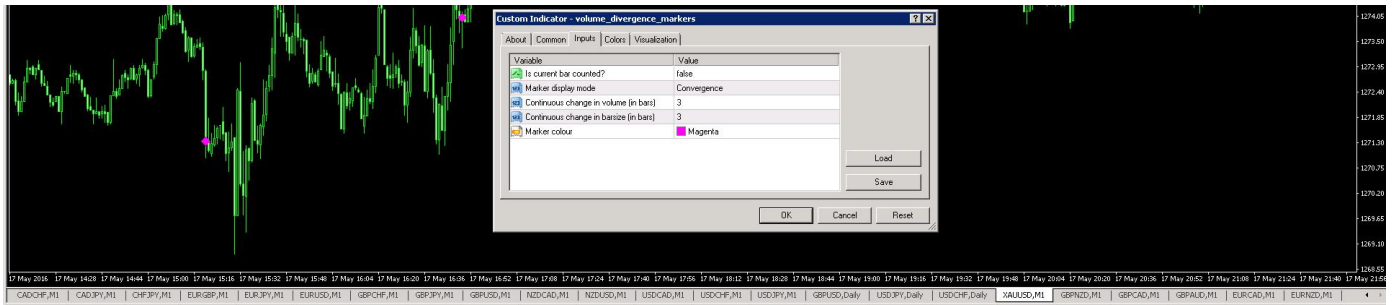


R11 should look like this (I.e where R11 is stated on chart) on settings last sent where two R11's make an RA:



Variable "R11 active for": Entries and opposing, qualifying rules are counted for RA/RB/RE and opposing for RA/RB/RE. Only opposing be used to identify only opposing rule 11's in RA/RB/RE. None (not be used for forming entries or opposing). This rule applies to any TF between M1-H1.

12. R12 is similar to R1. This R12 must have it's own *Volume_Divergence_Markers* settings shown:



When the Sell VDM appears; that price bar (close is the R12 price) and the previous (preceding) price bar must both close down. "Show diamonds on chart": True/False. Going back 6 price bars ("Last no. of bars analysed": 6) from Volume_Divergence_Mark, price must have closed lower by at least 0.03%. "Price % Div": 0.03. And; Going back 6 price bars ("Last no. of bars analysed": 6) from Volume_Divergence_Mark, the white Volume MA line must have closed up by at least 0.01%. "VMA % Div": 0.01. Going back 6 price bars ("Last no. of bars analysed": 6) from Volume_Divergence_Mark, the blue Accumulation Indicator A/D line must have closed up by at least the fixed value stipulated (per minute of TF being analysed). Variable: "A/D Diff per TF minute": 200. So if value set to 500. It will look for a difference of 2,500 on the M5 TF, 7,500 on the M15 TF etc.

Before rule ensure the last consecutive complimenting signals from specified indicators signals without opposing indicator signals or R's 1-24 signals between the value (for Variable: "Last no. of") on the TF the rule occurs. Variable "Complimenting Indicators": MAB&PIN or All Indicators (VDM, Tango line dot, iMA, Gap Finder, ADX_Alert Norbert_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence). Variable "Last no. of": 4. i.e if set to 4 there will be 4 consecutive complementing indicator signals before that rule. Features in this paragraph are not demonstrated in image below.

Rule signal bar must not have any other opposing indicators (VDM, Tango line dot, iMA, Gap Finder, ADX_Alert Norbert_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence) on it in that respective TF R has occurred. Variable: "Enable opposing": True/False.

Variable: "R with ATR dot": True/False. Rule signal price bar must be accompanied by red ATR dot on Short R's in TF Rule signal price bar occurs.

Variable "R12 active for": Entries and opposing, qualifying rules are counted for RA/RB/RE and opposing for RA/RB/RE. Only opposing be used to identify only opposing rule 12's in RA/RB/RE. None (not be used for forming entries or opposing). Therefore rule becomes completely inactive. This rule applies to any TF between M1-H1.

Variable: "R with BV": True/False. If true Rule signal bar or one before it (I.e one or two bars before R is printed) must have Red Volume bar (Climax High) in TF Rule signal price bar occurs.

13. When a Better Volume (in default settings) close red. The value of the volume bar must be less than 150% . The formula is as follows if BV value is higher value of two: Average line value 200/ BV bar value 300 = 0.66 x 100 = Therefore "BV bar less than average in %": equals 66% of the maroon average value. The formula is as follows if BV value is lower value of two: e.g BV bar value 200 / Average line value 300 = 0.66 x 100 = Therefore "BV bar less than average %": equals 66%.

But the formula is as follows if BV value is higher value of two: BV bar value 800 / Average line value 550 = 1.45 x 100 = Therefore "BV bar less than average in %": equals 145%. Variable: "BV bar less than average in %": 150. The corresponding price bar in that TF the signal is setting up must have closed up by at least the following values in each variable representing that TF. Variable: "Price bar % close in M1": 0.1. Variable: "Price bar % close in M5": 0.2. Variable: "Price bar % close in M15": 0.4. Variable: "Price bar % close in M30": 0.8. Variable: "Price bar % close in H1": 1.

Before rule ensure the last consecutive complimenting signals from specified indicators signals without opposing indicator signals or R's 1-24 signals between the value (for Variable: "Last no. of") on the TF the rule occurs. Variable "Complimenting Indicators": MAB&PIN or All Indicators (VDM, Tango line dot, iMA, Gap Finder, ADX_Alert Norbert_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence). Variable "Last no. of": 4. i.e if set to 4 there will be 4 consecutive complementing indicator signals before that rule. Features in this paragraph are not demonstrated in image below.

Rule signal bar must not have any other opposing indicators (VDM, Tango line dot, iMA, Gap Finder, ADX_Alert Norbert_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence) on it in that respective TF R has occurred. Variable: "Enable opposing": True/False.

Rule only valid if Rule price occurs above upper channel purple Tango dotted line for current bar close in the same TF as Rule. Variable: "R +- Tango channel": True/False. If value set to True, only those qualifying rules are counted for RA/RB/RE.



Variable: "R with ATR dot": **True/False**. Rule signal price bar must be accompanied by red ATR dot on Short R's in TF Rule signal price bar occurs.

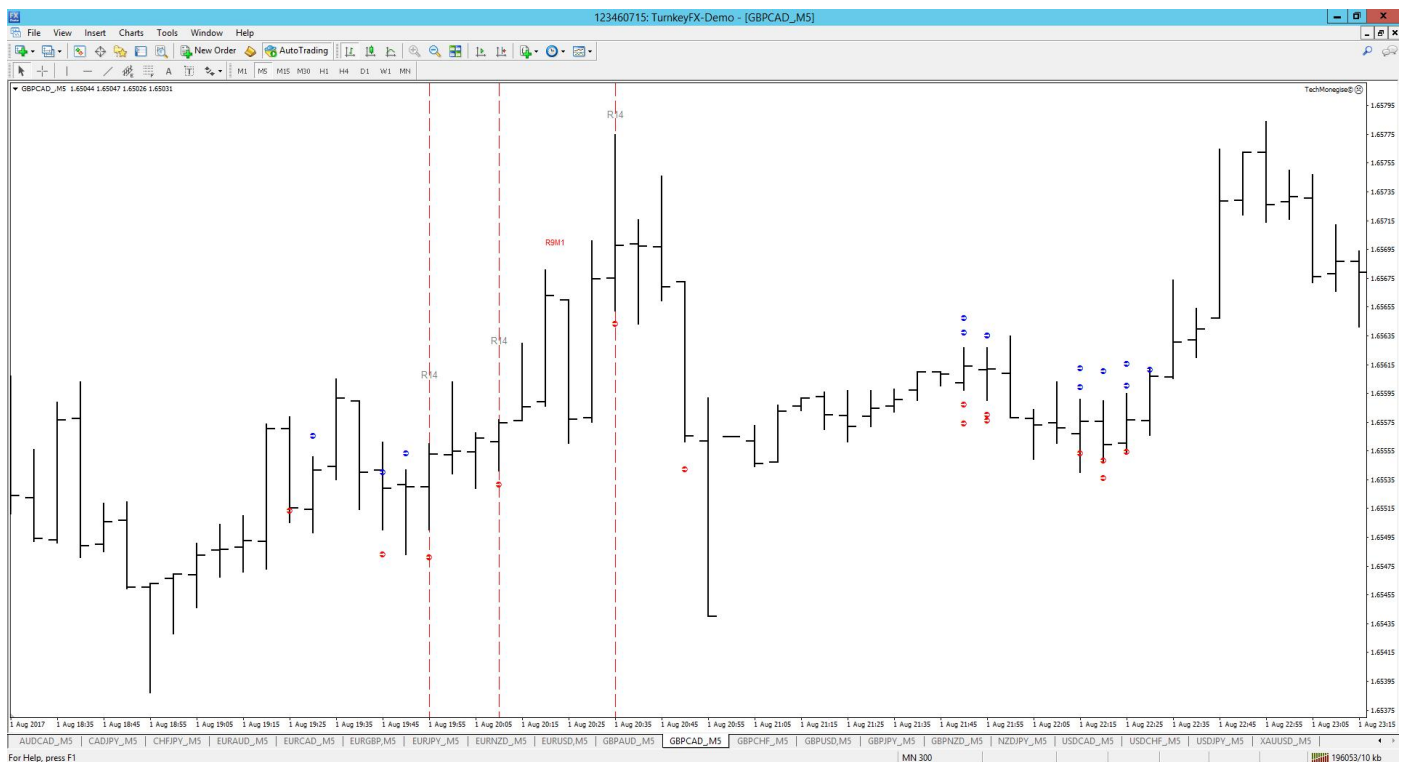
Variable "R13 active for": Entries and opposing, qualifying rules are counted for RA/RB/RE and opposing for RA/RB/RE. Only opposing be used to identify only opposing rule 13's in RA/RB/RE. None (not be used for forming entries or opposing). This rule applies to any TF between M1-H1.

14. Ensure R1-13 and 15-24 are included. When a single buy *iMA* arrow on default settings occur. The following spread to filter some out. Variable: "iMA spread pips": 2. iMA only becomes R14 when it is (lower in price) before or (higher in price) after another **R1-13 and 15-24**. An iMA can only be used once in the the formation of a rule. E.g if used for R15 same one can't be used to form an R14. Vertically marked with red dotted line price bar using Cross Indicator settings to display.

Before rule ensure the last consecutive complimenting signals from specified indicators signals without opposing indicator signals or R's 1-24 signals between the value (for Variable: "Last no. of") on the TF the rule occurs. Variable "Complimenting Indicators": MAB&PIN or **All Indicators** (VDM, Tango line dot, iMA, Gap Finder, ADX_Alert Norbert_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence). Variable "Last no. of": 4. i.e if set to 4 there will be 4 consecutive complementing indicator signals before that rule. Features in this paragraph are not demonstrated in image below.

Rule signal bar must not have any other opposing indicators (VDM, Tango line dot, iMA, Gap Finder, ADX_Alert Norbert_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence) on it in that respective TF R has occurred. Variable: "Enable opposing": **True/False**.

Rule only valid if Rule price occurs above upper channel purple Tango dotted line for current bar close in the same TF as Rule. Variable: "R + Tango channel": **True/False**. If value set to True, only those qualifying rules are counted for RA/RB/RE.



Variable: "R with ATR dot": **True/False**. Rule signal price bar must be accompanied by red ATR dot on Short R's in TF Rule signal price bar occurs.

Variable "R14 active for": Entries and opposing, qualifying rules are counted for RA/RB/RE and opposing for RA/RB/RE. Only opposing be used to identify only opposing rule 14's in RA/RB/RE. None (not be used for forming entries or opposing). Therefore rule becomes completely inactive. This rule applies to any TF between M1-H1.

15. When at least 9 (Variable "Consecutive on M5": 9) consecutive long indicators as currently operating in EA (made up of any of following; ZT, MAB, PIN, iMA, ADX, GF, VDM; from one or combo of TF's M1-H1) without opposing ones or opposing rules between them; appear on on a single M5 bar.

Going back 10 price bars ("Last no. of bars analysed": 10) from current R15, price must have closed lower by at least 0.05%. "Price % Div": 0.05. And; Going back 10 price bars ("Last no. of bars analysed": 10) from from current R15, the white Volume MA line must have closed up 0.01%. Variable: "VMA % Div": 0.01. Going back 10 price bars ("Last no. of bars analysed": 10) from current R15, the blue Accumulation Indicator A/D line must have closed up by at least the fixed value stipulated (per minute of TF being analysed). Variable: "A/D Diff per TF minute": 200. So if value set to 500. It will look for a difference of 2,500 on the M5 TF, 7,500 on the M15 TF etc.

Before rule ensure the last consecutive complimenting signals from specified indicators signals without opposing indicator signals or R's 1-24 signals between the value (for Variable: "Last no. of") on the TF the rule occurs. Variable "Complimenting Indicators": MAB&PIN or All Indicators (VDM, Tango line dot, iMA, Gap Finder, ADX_Alert Norbert_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence). Variable "Last no. of": 4. i.e if set to 4 there will be 4 consecutive complementing indicator signals before that rule. Features in this paragraph are not demonstrated in image below.

Rule signal bar must not have any other opposing indicators (VDM, Tango line dot, iMA, Gap Finder, ADX_Alert Norbert_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence) on it in that respective TF R has occurred. Variable: "Enable opposing": **True/False**.

The close of this bar is the R15 price displayed in Image below:

Rule only valid if Rule price occurs below lower channel purple Tango dotted line for current bar close in the same TF as Rule. Variable: "R +- Tango channel": **True/False**. If value set to True, only those qualifying rules are counted for RA/RB/RE.



Note on changing TF's and back to M5 all but 1 ZT red arrows on R15 bar disappeared (without change of settings)!? Seems to be happening with all indicators and perhaps causing repaint of all R's!?

Variable: "R with ATR dot": **True/False**. Rule signal price bar must be accompanied by red ATR dot on Short R's in TF Rule signal price bar occurs.

Variable "R20 active for": Entries and opposing, qualifying rules are counted for RA/RB/RE and opposing for RA/RB/RE. Only opposing be used to identify only opposing rule 20's in RA/RB/RE. **None** (not be used for forming entries or opposing). This rule applies to M5.

Variable: "R with BV": **True/False**. If true Rule signal bar or one before it (I.e one or two bars before R is printed) must have Red Volume bar (Climax High) in TF Rule signal price bar occurs.

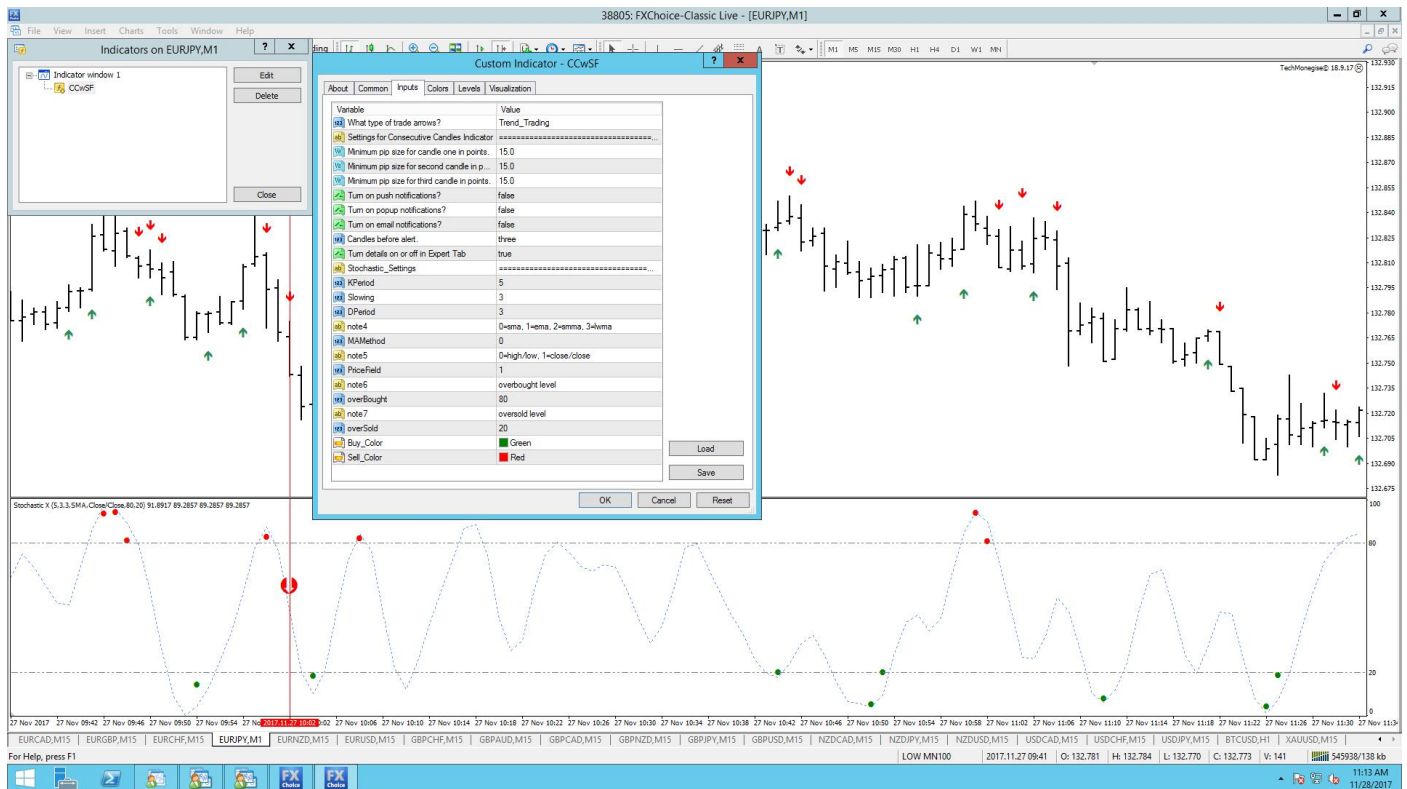
16. When on same price bar the following 2 indicators occur:

- CCwSF red sell arrow appears (with settings shown in image on Sell). But you can summarise the 3 variables to Variable: "Min % size for each of 3 candles": 0.15 applies to M1, each TF up will also increase by the stated % value. E.g H1 will be 0.75%.
- A Red ADX_Alert (Norbert_60seconds) arrow occurs, with settings in EA as in image on buy on that same respective signal TF.

Before rule ensure the last consecutive complimenting signals from specified indicators signals without opposing indicator signals or R's 1-24 signals between the value (for Variable: "Last no. of") on the TF the rule occurs. Variable "Complimenting Indicators": MAB&PIN or All Indicators (VDM, Tango line dot, iMA, Gap Finder, ADX_Alert Norbert_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence). Variable "Last no. of": 4. i.e if set to 4 there will be 4 consecutive complementing indicator signals before that rule. Features in this paragraph are not demonstrated in image below.

Rule signal bar must not have any other opposing indicators (VDM, Tango line dot, iMA, Gap Finder, ADX_Alert Norbert_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence) on it in that respective TF R has occurred. Variable: "Enable opposing": True/False.

Rule only valid if Rule price occurs above upper channel purple Tango dotted line for current bar close in the same TF as Rule. Variable: "R +- Tango channel": True/False. If value set to True, only those qualifying rules are counted for RA/RB/RE. Demonstrated in image below.



Variable: "R with ATR dot": True/False. Rule signal price bar must be accompanied by red ATR dot on Short R's in TF Rule signal price bar occurs.

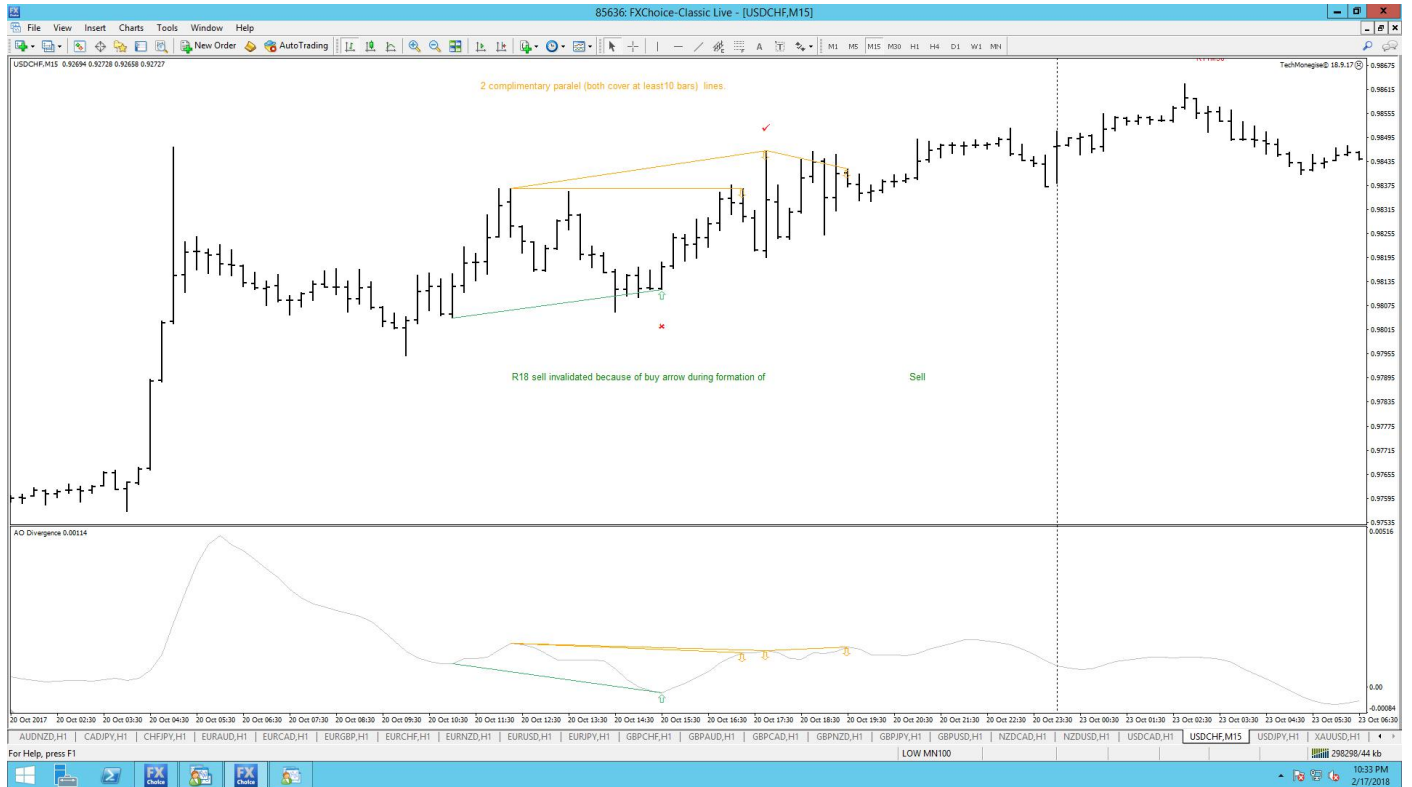
Variable "R16 active for": Entries and opposing, qualifying rules are counted for RA/RB/RE and opposing for RA/RB/RE. Only opposing be used to identify only opposing rule 16's in RA/RB/RE. None (not be used for forming entries or opposing). This rule applies to M1-H1.

Variable: "R with BV": True/False. If true Rule signal bar or one before it (I.e one or two bars before R is printed) must have Red Volume bar (Climax High) in TF Rule signal price bar occurs.

17. Make sure R22/R23 are part of R17. When a single sell AO Divergence arrow on default settings occur in TF M5-H1; It only becomes R17 when it is higher in price after another complementing R1-16 and R18-R24 from any TF. The R17 does not have to be from same TF as the respective R1-R16 and R18-R24 before it! There must be no opposing R's 1-16 and R18-R24 of any TF between these two events. An AO Divergence arrow can only be used once in the the formation of R17. E.g if used after R9, same one can't be used for R11. Vertically marked with red dotted line price bar open.

Before rule ensure the last consecutive complimenting signals from specified indicators signals without opposing indicator signals or R's 1-24 signals between the value (for Variable: "Last no. of") on the TF the rule occurs. Variable "Complimenting Indicators": MAB&PIN or All Indicators (VDM, Tango line dot, iMA, Gap Finder, ADX_Alert Norbert_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence). Variable "Last no. of": 4. i.e if set to 4 there will be 4 consecutive complementing indicator signals before that rule. Features in this paragraph are not demonstrated in image below.

Rule signal bar must not have any other opposing indicators (VDM, Tango line dot, iMA, Gap Finder, ADX_Alert Norbert_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence) on it in that respective TF R has occurred. Variable: "Enable opposing": True/False.



Variable: "R with ATR dot": **True/False**. Rule signal price bar must be accompanied by red ATR dot on Short R's in TF Rule signal price bar occurs.

Variable "R17 active for": Entries and opposing, qualifying rules are counted for RA/RB/RE and opposing for RA/RB/RE. Only opposing be used to identify only opposing rule 17's in RA/RB/RE. None (not be used for forming entries or opposing). This rule applies to M5-H1.

Variable: "R with BV": **True/False**. If true Rule signal bar or one before it (I.e one or two bars before R is printed) must have Red Volume bar (Climax High) in TF Rule signal price bar occurs.

18. Using ATR (4. in drop down menu in indicator "AIO Divergence" in default setting); identify when two confirmed consecutive (without a yellow dot between them) red dots with the most recent one being at a lower ATR value than the previous one. Simultaneously for that time period; recent price close corresponding to most recent of the two dots must be higher than close price of first dot. The price close of most recent of the two dots is R18.

Before rule ensure the last consecutive complimenting signals from specified indicators signals without opposing indicator signals or R's 1-24 signals between the value (for Variable: "Last no. of") on the TF the rule occurs. Variable "Complimenting Indicators": MAB&PIN or **All Indicators** (VDM, Tango line dot, iMA, Gap Finder, ADX_Alert Norbert_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence). Variable "Last no. of": 4. i.e if set to 4 there will be 4 consecutive complementing indicator signals before that rule. Features in this paragraph are not demonstrated in image below.

Rule signal bar must not have any other opposing indicators (VDM, Tango line dot, iMA, Gap Finder, ADX_Alert Norbert_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence) on it in that respective TF R has occurred. Variable: "Enable opposing": **True/False**.

In image below ignore lines drawn by indicator. The 2 blue lines are drawn manually to demonstrate price and indicator relationship.



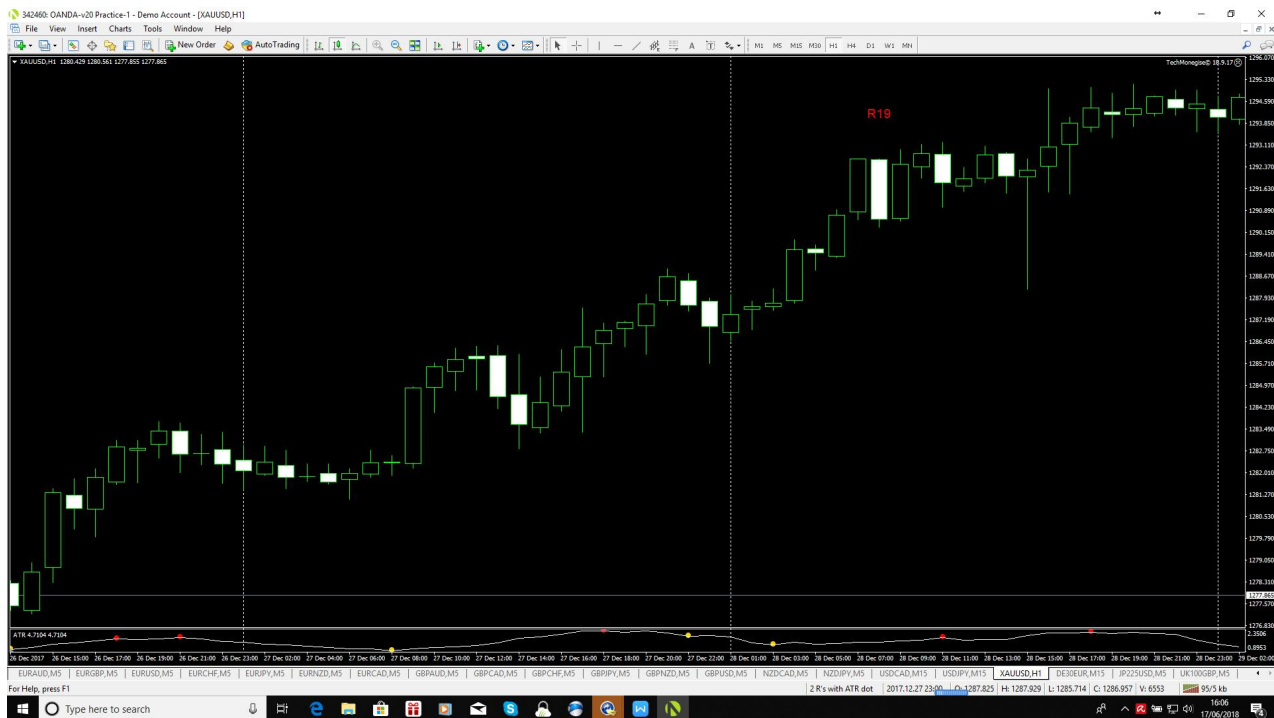
Variable: "R with ATR dot": **True/False**. Rule signal price bar must be accompanied by red ATR dot on Short R's in TF Rule signal price bar occurs. See below image:

Variable "R18 active for": Entries and opposing, qualifying rules are counted for RA/RB/RE and opposing for RA/RB/RE. Only opposing be used to identify only opposing rule 18's in RA/RB/RE. None (not be used for forming entries or opposing). Therefore rule becomes completely inactive. This rule applies to M5-H1.

Variable: "R with BV": **True/False**. If true Rule signal bar or one before it (I.e one or two bars before R is printed) must have Red Volume bar (Climax High) in TF Rule signal price bar occurs.

19. When a price bar closes at it's absolute HIGH on the H1. This becomes the signal bar. The next price bar open must be marked with R19.

Before rule ensure the last consecutive complimenting signals from specified indicators signals without opposing indicator signals or R's 1-24 signals between the value (for Variable: "Last no. of") on the TF the rule occurs. Variable "Complimenting Indicators": MAB&PIN or **All Indicators** (VDM, Tango line dot, iMA, Gap Finder, ADX_Alert Norbert_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence). Variable "Last no. of": 4. i.e if set to 4 there will be 4 consecutive complementing indicator signals before that rule. Features in this paragraph are not demonstrated in image below.



Rule signal bar must not have any other opposing indicators (VDM, Tango line dot, iMA, Gap Finder, ADX_Alert Norbert_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence) on it in that respective TF R has occurred. Variable: "Enable opposing": **True/False**.
 Rule only valid if Rule price occurs below lower channel purple Tango dotted line for current bar close in the same TF as Rule. Variable: "R +- Tango channel": **True/False**. If value set to True, only those qualifying rules are counted for RA/RB and RF.

Rule only valid if Rule price occurs below lower channel purple Tango dotted line for current bar close in the same TF as Rule. Variable: "R +- Tango channel": **True/False**. If value set to True, only those qualifying rules are counted for RA/RB/RE.

Variable "R19 active for": Entries and opposing, qualifying rules are counted for RA/RB/RE and opposing for RA/RB/RE. Only opposing be used to identify only opposing rule 19's in RA/RB/RE. None (not be used for forming entries or opposing). Therefore rule becomes completely inactive.

20. Convert ADX_Difference indicator to mq4, every time there appear 5 consecutive red bars above zero. An ADX Difference bar must not be counted more than once in formation of R20. From

<https://www.mql5.com/en/code/20912>

Before rule ensure the last consecutive complimenting signals from specified indicators signals without opposing indicator signals or R's 1-24 signals between the value (for Variable: "Last no. of") on the TF the rule occurs. Variable "Complimenting Indicators": MAB&PIN or All Indicators (VDM, Tango line dot, iMA, Gap Finder, ADX_Alert Norbert_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence). Variable "Last no. of": 4. i.e if set to 4 there will be 4 consecutive complementing indicator signals before that rule. Features in this paragraph are not demonstrated in image below.



Rule signal bar must not have any other opposing indicators (VDM, Tango line dot, iMA, Gap Finder, ADX_Alert Norbert_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence) on it in that respective TF R has occurred. Variable: "Enable opposing": **True/False**.

Variable: "R with ATR dot": **True/False**. Rule signal price bar must be accompanied by yellow ATR dot on long R's in TF Rule signal price bar occurs. This rule applies to M5-H1.

Rule only valid if Rule price occurs below lower channel purple Tango dotted line for current bar close in the same TF as Rule. Variable: "R +- Tango channel": **True/False**. If value set to True, only those qualifying rules are counted for RA/RB/RE.

Variable "R20 active for": Entries and opposing, qualifying rules are counted for RA/RB/RE and opposing for RA/RB/RE. Only opposing be used to identify only opposing rule 20's in RA/RB/RE. None (not be used for forming entries or opposing). Therefore rule becomes completely inactive. This rule applies to M5-H1.

Variable: "R with BV": **True/False**. If true Rule signal bar or one before it (I.e one or two bars before R is printed) must have Red Volume bar (Climax High) in TF Rule signal price bar occurs.

21. When first in a series of full green (No red at top or bottom) Gator bar occurs and corresponding price bar closes down but is lower in range (from high to Low) compared to previous price bar range, this is considered the signal bar. Going back 10 price bars ("Last no. of bars analysed": 10) from signal bar, the white Volume MA line must have closed UP by at least 0.01%. "VMA % Div": 0.01. The open of the next price bar after signal bar must be marked with R21 below it's price bar in blue coloured text.

Before rule ensure the last consecutive complimenting signals from specified indicators signals without opposing indicator signals or R's 1-24 signals between the value (for Variable: "Last no. of") on the TF the rule occurs. Variable "Complimenting Indicators": MAB&PIN or All Indicators (VDM, Tango line dot, iMA, Gap Finder, ADX_Alert Norbert_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence). Variable "Last no. of": 4. i.e if set to 4 there will be 4 consecutive complementing indicator signals before that rule. Features in this paragraph are not demonstrated in image below.

Rule signal bar must not have any other opposing indicators (VDM, Tango line dot, iMA, Gap Finder, ADX_Alert Norbert_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence) on it in that respective TF R has occurred. Variable: "Enable opposing": **True/False**.

Rule only valid if Rule price occurs below lower channel purple Tango dotted line for current bar close in the same TF as Rule. Variable: "R +- Tango channel": **True/False**. If value set to True, only those qualifying rules are counted for RA/RB/RE.



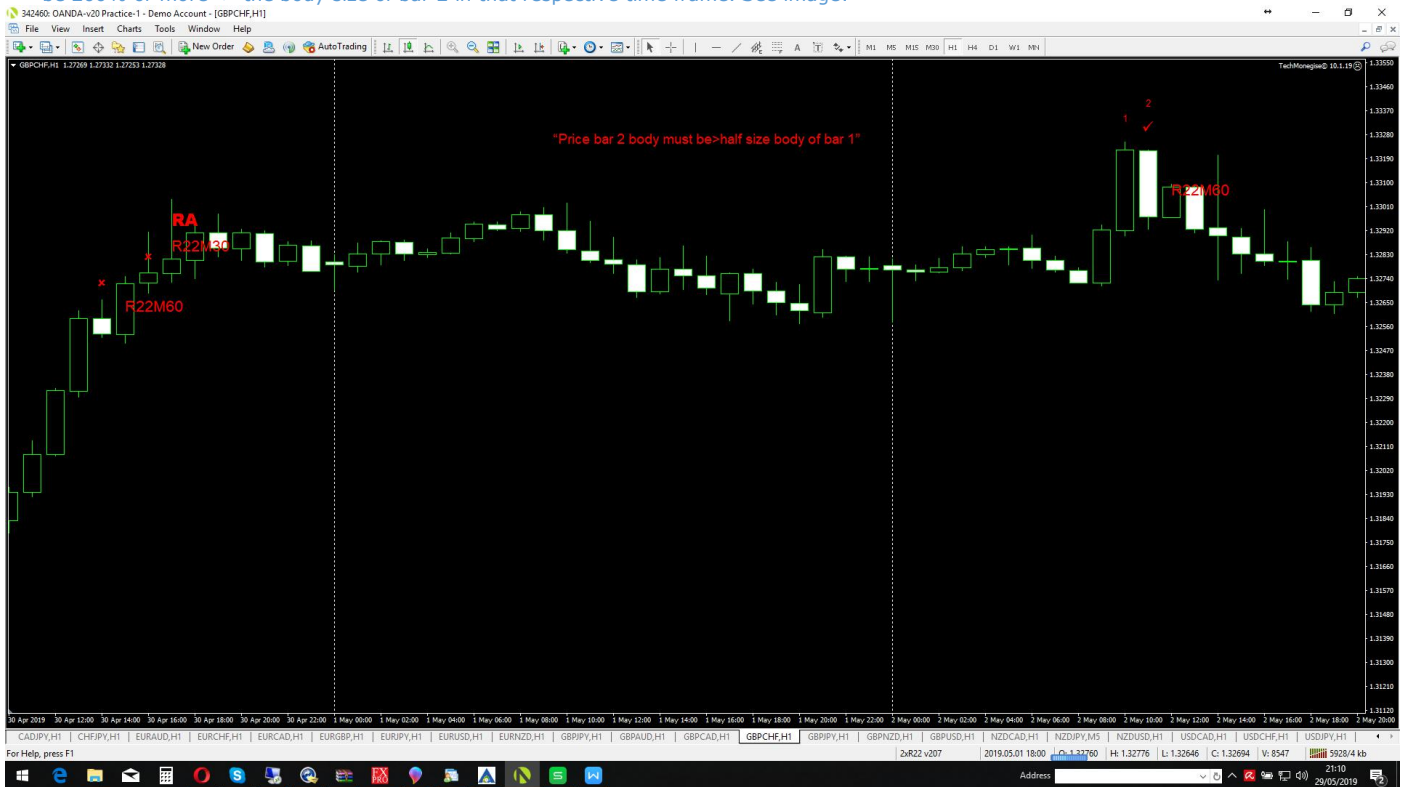
Variable "R21 active for": Entries and opposing, qualifying rules are counted for RA/RB/RE and opposing for RA/RB/RE. Only opposing be used to identify only opposing rule 21's in RA/RB/RE. None (not be used for forming entries or opposing). Therefore rule becomes completely inactive. This rule applies to M15-H1.

Variable: "R with BV": **True/False**. If true Rule signal bar or one before it (I.e one or two bars before R is printed) must have Red Volume bar (Climax High) in TF Rule signal price bar occurs.

22. Is a variation of R11. Leave as is in supplied V2.08! The text of R22 in purple must be added/coded. Text /variable ~~struck out~~ must be removed from code. Take Rule 22 code from TechMoney Ltd; TechMonegise© EA (v2.08) already supplied. It's already created. Here is it's description:

(Same as R22 is coded in EA v2.08) When price close down compared to the close of the previous price bar close by at least 0.015% Variable "Min % price difference": 0.015. Simultaneously PVT (indicator on default settings) value closes down compared to the value of the previous bar close. Based on signal below in image; if 0.015% price difference is 1.4 pips and PVT difference is 7.20, for these figures the pips portion is

19.44% of PVT difference. Add Variable: "Price bar 2 body must be > half size body of bar 1": **True/False**. In other words bar 1 body must not be 200% or more > the body size of bar 2 in that respective time frame. See image:



R22 occurs at close of price bar 2. Each TF has its own Variable: "M1 max pips % of PVT": 20. Variable: "M5 max pips % of PVT": 15. Variable: "M15 max pips % of PVT": 4. Variable: "M30 max pips % of PVT": 2. Variable: "H1 max pips % of PVT": 0.5.

Before rule ensure the last consecutive complimenting signals from specified indicators signals without opposing indicator signals or ~~R's~~ 1-21 signals between the value (for Variable: "Last no. of") on the TF the rule occurs. Variable "Complimenting Indicators": MAB&PIN or **All Indicators** (VDM, Tango line dot, iMA, Gap Finder, ADX_Alert Norbert_60seconds arrow, MAB (9), Pinbar detector, CCwSF, AO Divergence). Variable "Last no. of": 4. i.e if set to 4 there will be 4 consecutive complementing indicator signals before that rule. Features in this paragraph are not demonstrated in image below.

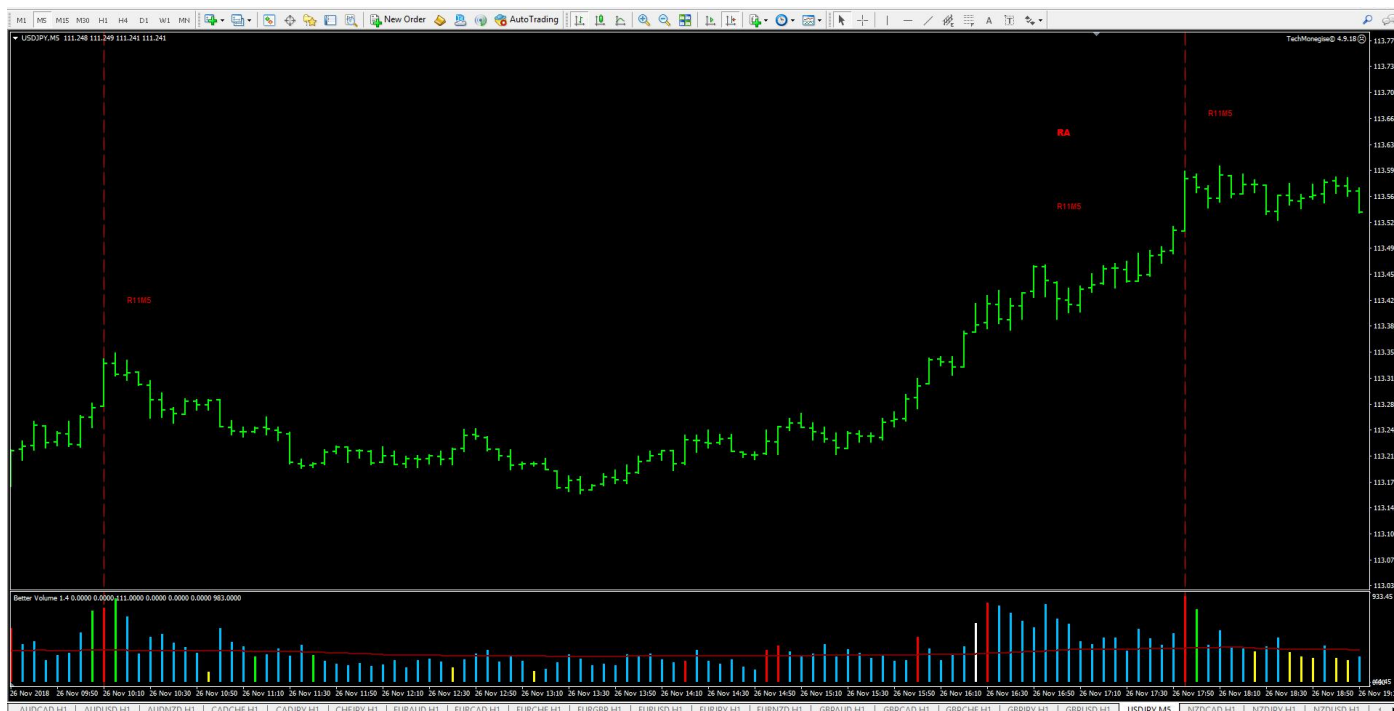
Rule signal bar must not have any other opposing indicators (VDM, Tango line dot, iMA, Gap Finder, ADX_Alert Norbert_60seconds arrow, MAB (9), Pinbar detector, CCwSF, **AO Divergence**) on it in that respective TF R has occurred. Variable: "Enable opposing": **True/False**.

Appears in H1 on Image:

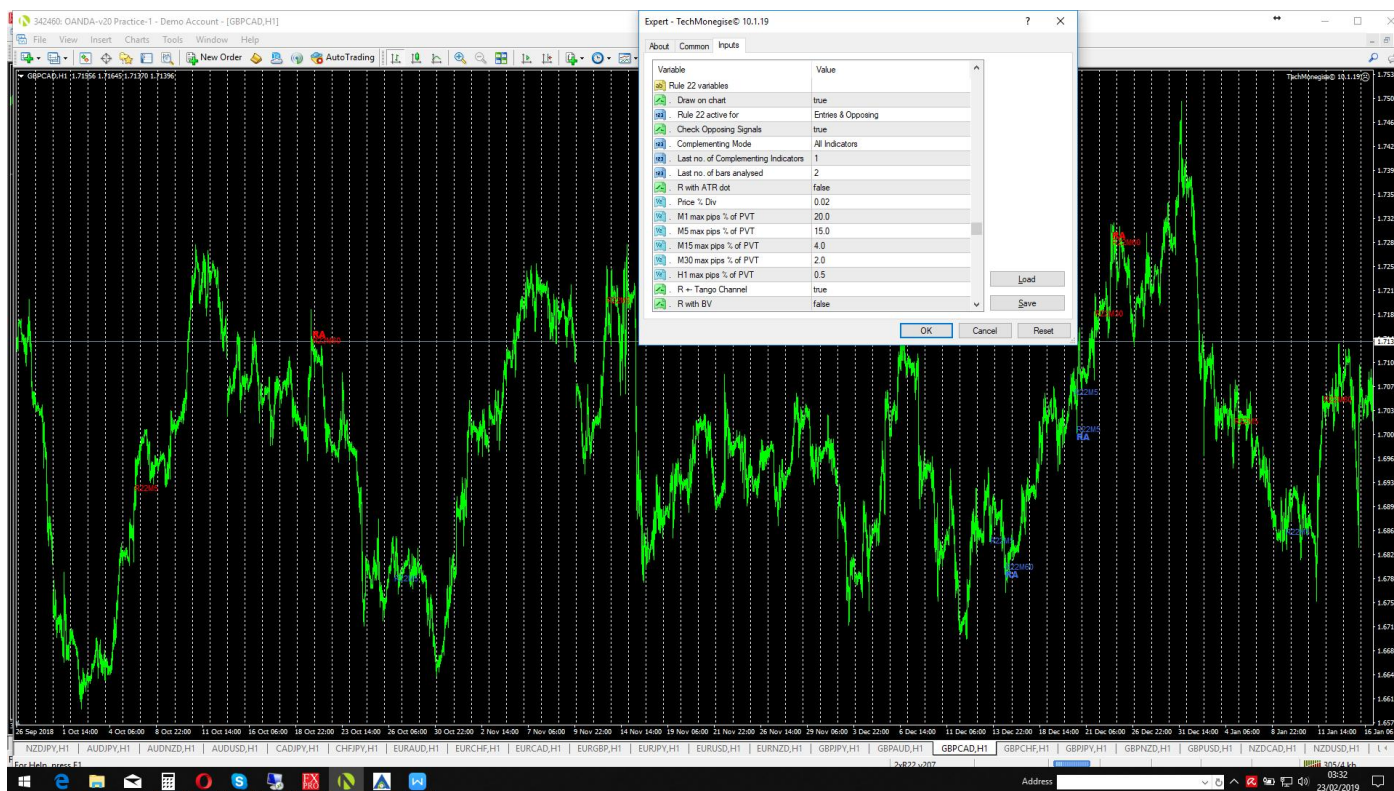


Variable: "R with ATR dot": **True/False**. Rule signal price bar must be accompanied by red ATR dot on Short R's in TF Rule signal price bar occurs.

Variable: "R with BV": **True/False**. If true Rule signal bar or one before it (I.e one or two bars before R22 is printed) must have Red Volume bar (Climax High) in TF Rule signal price bar occurs.



R22 should look like this (I.e where R22 is stated on chart) on settings provided where two (although 1 is the value entered in RA) R22's make an RA:



This Variable can be removed: "R22 active for": Entries and opposing, qualifying rules are counted for RA/RB/RE and opposing for RA/RB/RE. Only opposing be used to identify only opposing rule 11's in RA/RB/RE. None (not be used for forming entries or opposing).

This rule applies to any TF between M1-H1.

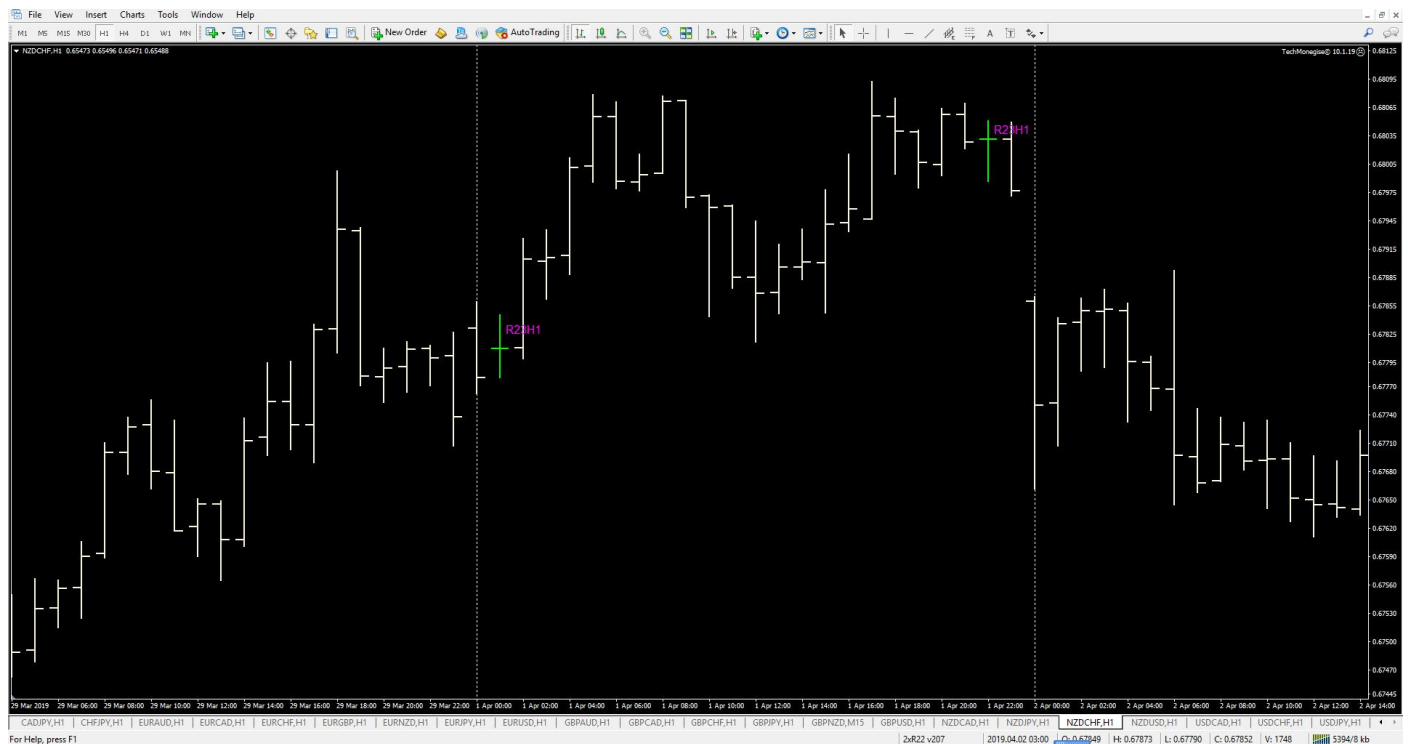
23. (New needs to be coded-Make sure R23 are part of RA.) When setting bar in charts to light colour such as "Cornsilk", green bars (whose price opened and closed the same level) will appear. When that close price is higher than the close price of the previous bar. R23 must appear on the opening of bar after the green bar, but at the price of close of the green bar.

Before rule ensure the last consecutive complementing signals from specified indicators signals without opposing indicator signals or R's 1-24 signals between the value (for Variable: "Last no. of") on the TF the rule occurs. Variable "Complementing Indicators": MAB&PIN or All Indicators (VDM, Tango line dot, iMA, Gap Finder, ADX_Alert Norbert_60seconds arrow, MAB (9), Pinbar detector, CCWSF, AO Divergence).

Variable "Last no. of": 4. i.e if set to 4 there will be 4 consecutive complementing indicator signals before that rule. Features in this paragraph are not demonstrated in image below.

Rule signal bar must not have any other opposing indicators (VDM, Tango line dot, iMA, Gap Finder, ADX_Alert Norbert_60seconds arrow, MAB (9), Pinbar detector, CCwSF, [AO Divergence](#)) on it in that respective TF R has occurred. Variable: "Enable opposing": **True/False**.

Rule only valid if Rule price occurs below lower channel purple Tango dotted line for current bar close in the same TF as Rule. Variable: "R +- Tango channel": **True/False**. If value set to True, only those qualifying rules are counted for RA/RB/RE.



Variable "R23 active for": Entries and opposing, qualifying rules are counted for RA/RB/RE and opposing for RA/RB/RE. Only opposing be used to identify only opposing rule 23's in RA/RB/RE. **None** (not be used for forming entries or opposing). Therefore rule becomes completely inactive. This rule applies to M5-H1.

Variable: "R with BV": **True/False**. If true Rule signal bar or one before it (I.e one or two bars before R23 is printed) must have White Volume bar (Climax Low) in TF Rule signal price bar occurs.

24. Add your own profitable rule/strategy.

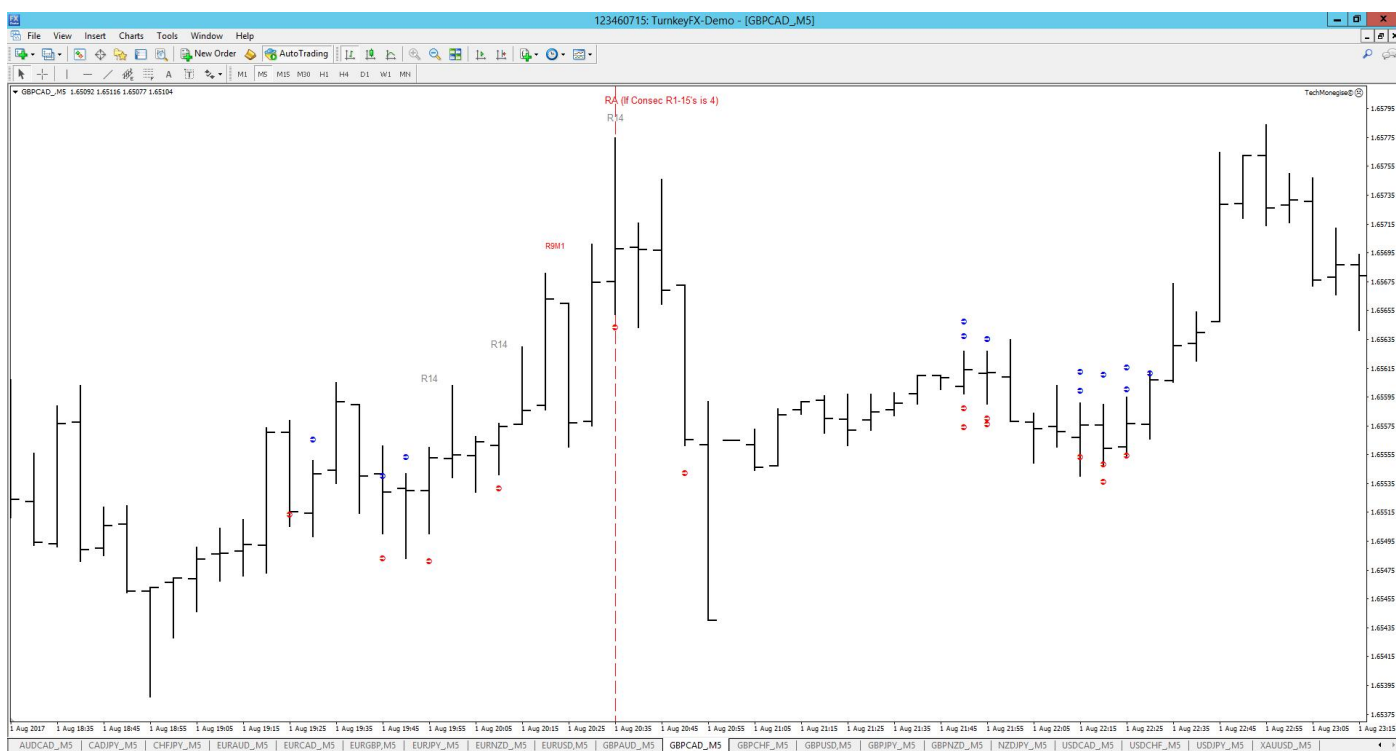
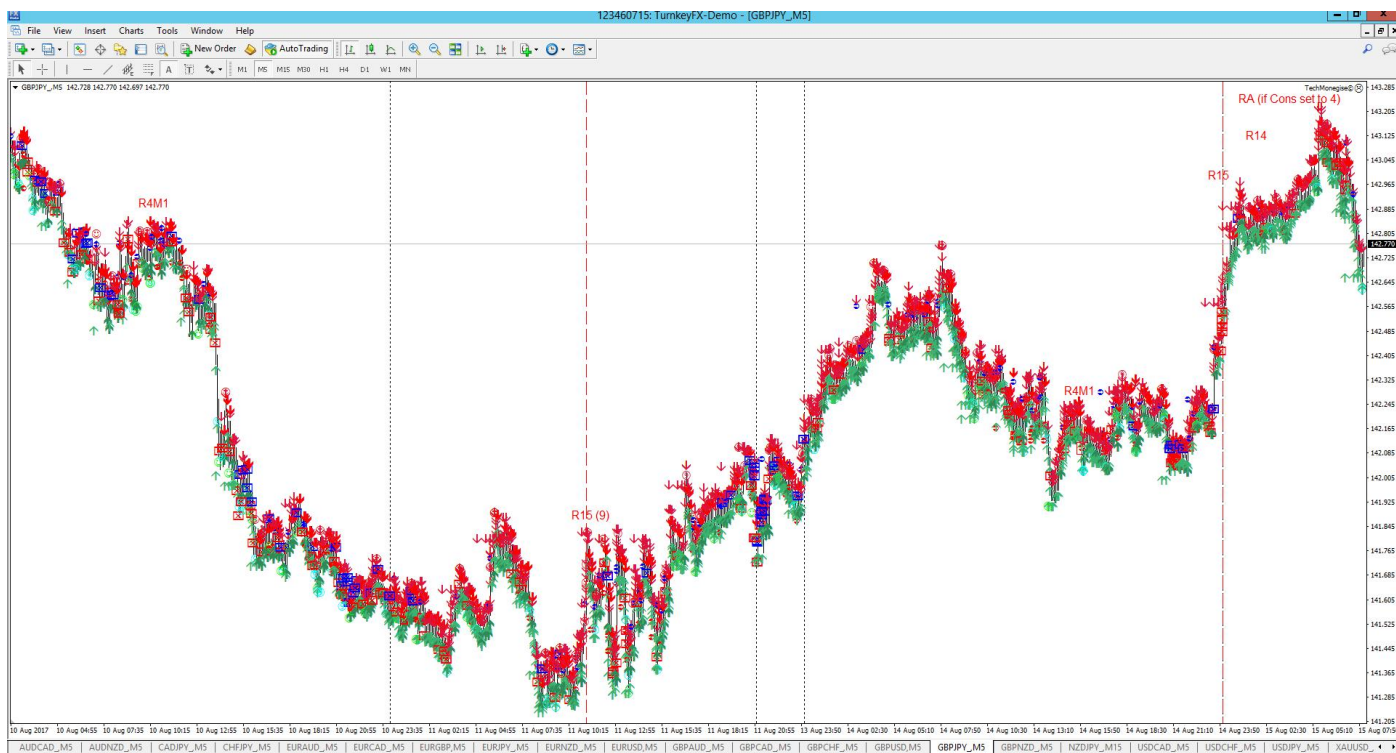
Must include:

Variable "R23 active for": Entries and opposing, qualifying rules are counted for RA/RB/RE and opposing for RA/RB/RE. Only opposing be used to identify only opposing rule 23's in RA/RB/RE. **None** (not be used for forming entries or opposing). Therefore rule becomes completely inactive. This rule applies to M5-H1.

Variable: "R with BV": **True/False**. If true Rule signal bar or one before it (I.e one or two bars before R24 is printed) must have White Volume bar (Climax Low) in TF Rule signal price bar occurs.

- A.** Take RA code from EA supplied. Any of above R's 1-24 must occur an aggregate of at least three times. Stated by Variable "RA Consecutive R's 1-24 's": 3 consecutively without opposing R's 1-24 on rules designated TF's. The price of each R's 1-24 must be lower and at a later time than the prior one. Therefore close of 3rd (most recent) R's 1-24 must be lower in price and later time than that of 2nd R's 1-24. Respectively close of 2nd rule R's 1-24 must be lower in price and later in time than that of 1st R's 1-24. Each R's 1-24 can occur on rules designated TF's. If 1 or more opposing R's 1-24 occur at the same time (on same or different TF's), the RA count must begin from zero again. Once any R1-21 is used to form an RA, that same rule must not be used in the count to form another RA. Only count unused R's for new RA. However, **Note that R's classified as RE must not be counted again as part of new RA**. Unless Variable: "One entry per RA": in rule B is set to **True**, as explained in Rule B.

Note some RA images are examples from v1 EA rules 1-5. Note this rule should work principally same as R6 in 1st EA supplied to developer, but without bugs.



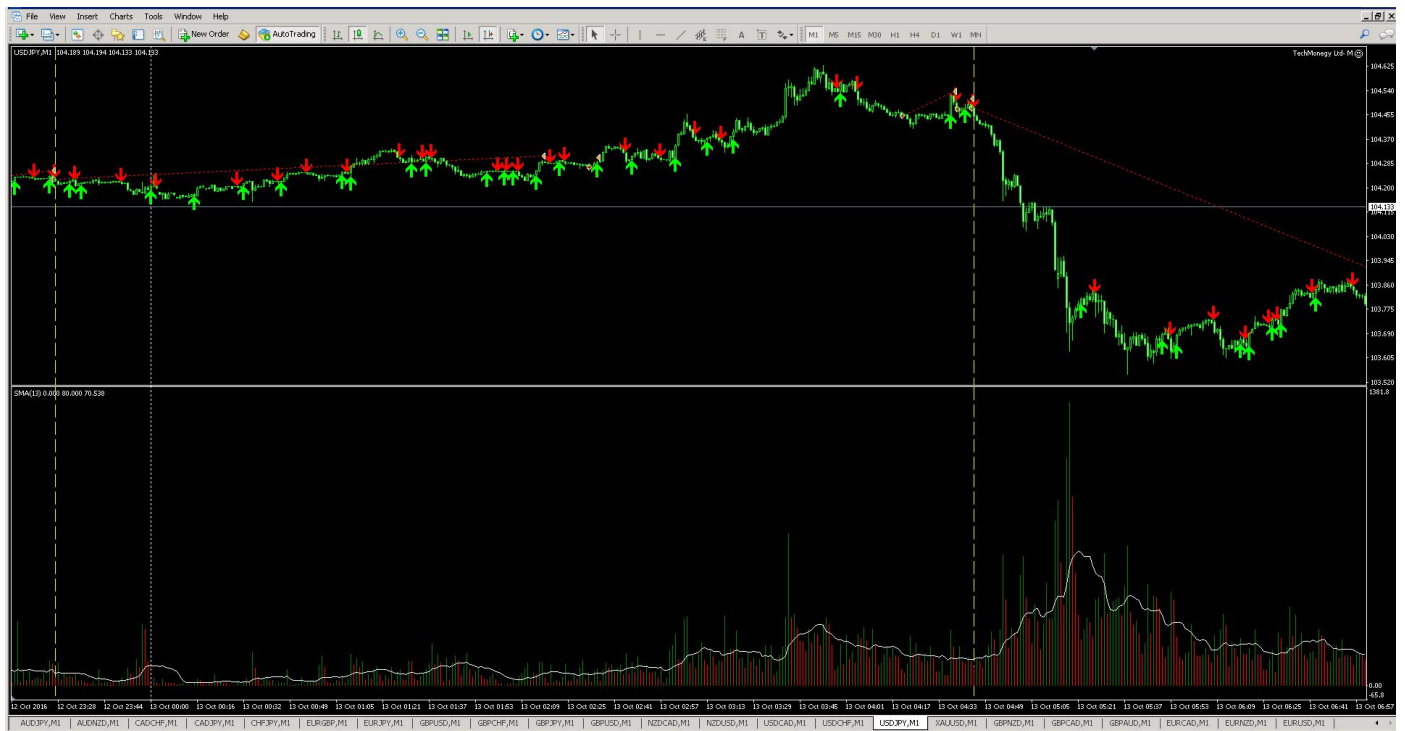
Therefore if Variable "Consecutive rule R's 1-24": is set to 2;

R11 can be made up of 2 x rule 1

Each rule 1 to be counted only once in it's formation of any rule 1.

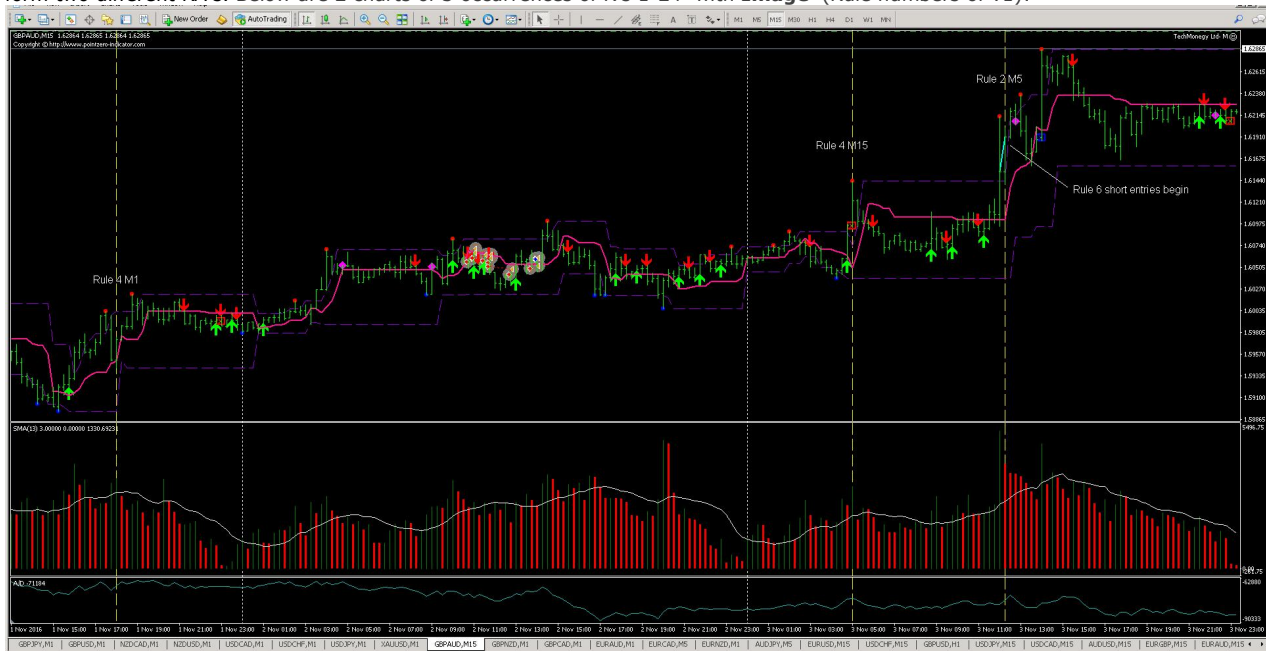
Or 2 x rule 2. Each rule 2 to be counted only once in it's formation of any rule 2.

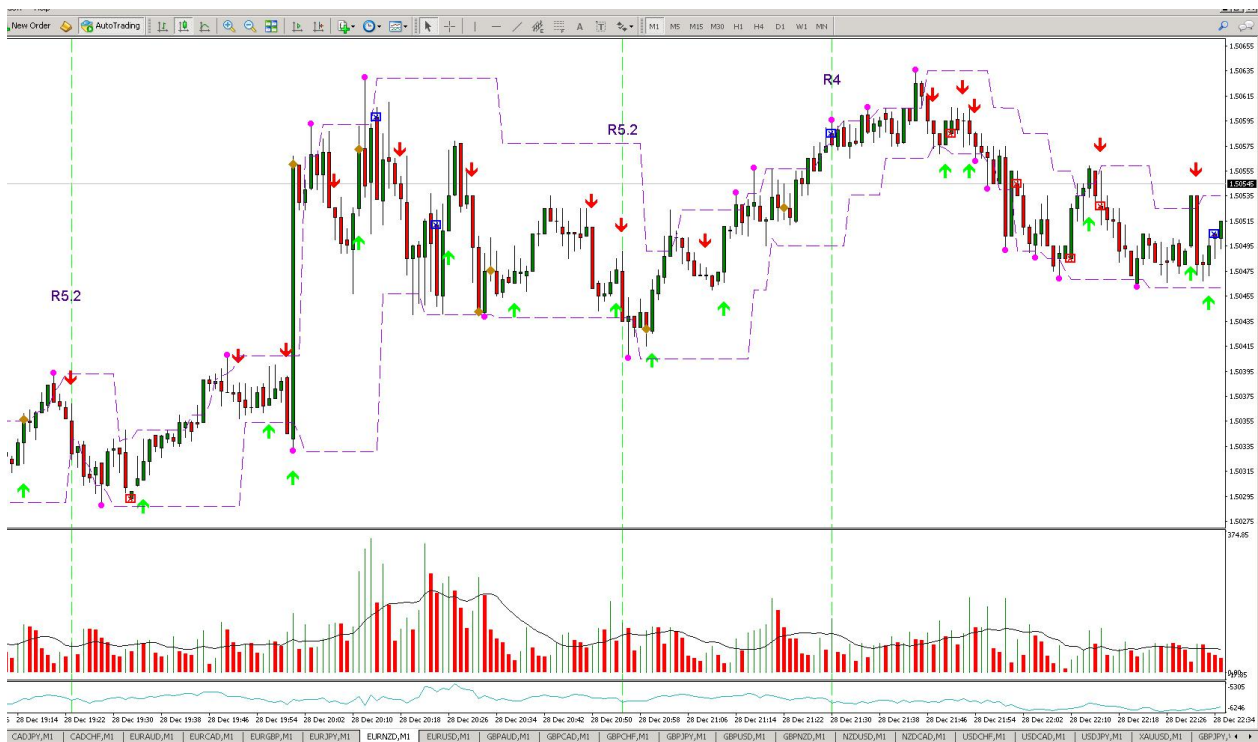
Or 2 x rule 3 illustrated in **Image**:



Or any (taking account of each of the rules' "R7 active for" variable value) combination two occurrences of R's 1-24 . E.g a rule 4 and 2 may both be set to Entries and opposing must occur as part of RA (otherwise RA does not form) to make up an entry as defined in RA and opposing rule in RA . Each one of the rules must be at a higher price than the previous.

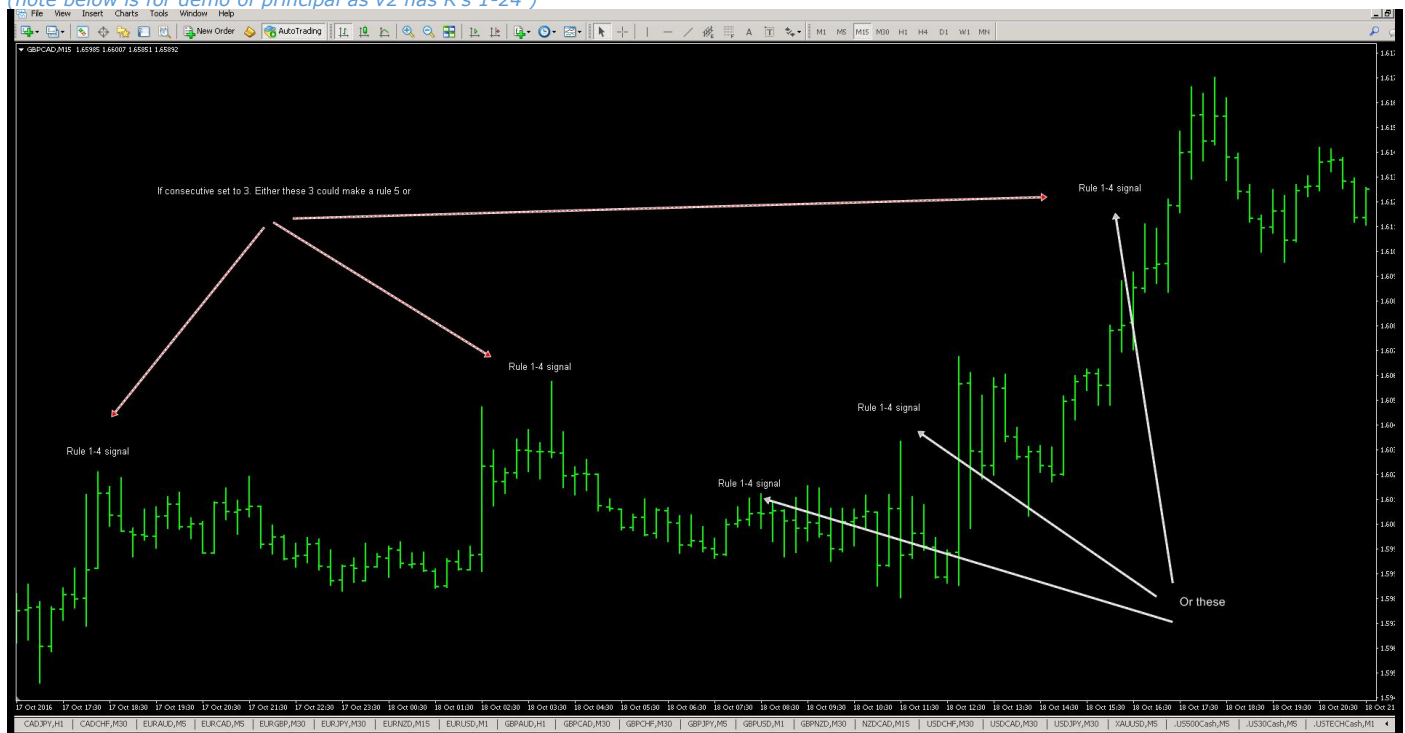
Any rule can only be identified once. Because each R's 1-24 must only be counted once in identification of RA. Therefore it cannot be used to form two different RA's. Below are 2 charts of 3 occurrences of R's 1-24 with **Image** (Rule numbers of v1):





Below if "Consecutive R's 1-24 ": is set to 3. Below is an example where 5 occurrences creates the choice of using either combo of R's 1-24 to set up RA with **Image** :

(note below is for demo of principal as v2 has R's 1-24)

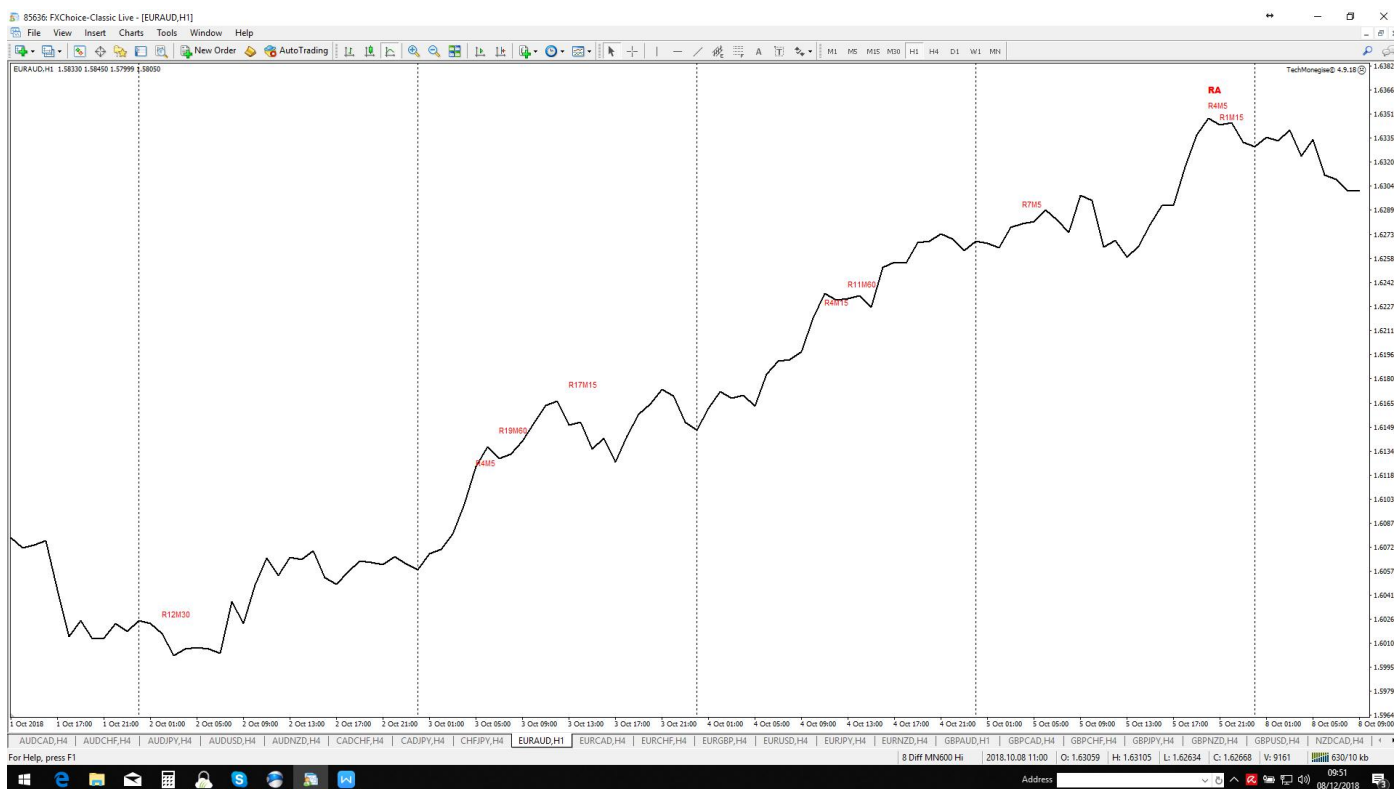


Make Variable: "Indicator only": **True/False**. True to be the default mode. If set to true then no entries are made, only usual illustrations on chart. So current rule (according to doc) market is at should be stated at a glance of the chart. If set to EA, then it trades as below.

Add variable "RA Marked with:" RA or don't display. The 2 options in image below:



Add Variable: "RA Must be made up of different R's": **True/False**. If True: Variable "Consecutive R's 1-24 's'": is e.g set to 7; each of the seven R's (R's 1-24) MUST BE DIFFERENT (as in below diagram) e.g R12, R4, R19, R17, R11, R7, R1 each at a better price and later time than the previous R. Only one instance of the R is counted to make up the 6 consecutive R's that make up an RA. If False then this variable is NOT active and RA is made up of any active stated number of ANY (actively set to make up entry) "Consecutive R's 1-24 's'".



- B.** Entries can begin after RA. Add variable "No new trade if all ready open": **True/False**. No new trade to be open from RA if one already is on account from any source/magic number on same market in same direction. Entry is invalidated if an opposing R's 1-24 occurs (Add variable "Enter regardless of opposing R's after RB": **True/False**) or price has first gone into more than 0.3% profit from latest rule confirmation price (RA). Variable: "Invalidating price move from latest RA": 0.3%. If hit, count for RA would begin from 1 again.

RB must be marked with complimenting bright arrow (stating price RB occurred), this could dull in colour once inactive i.e by an opposing R or invalidation price move. Add Variable to skip initial entries. Therefore, 2nd entry onwards would be valid with variable: "RB entries from En:" 2. Note En 1 occurs at RA price. Also Make variable: "Fri RB entries from En:" 4. Set to GMT time, on Sunday entries resume if still valid. If set to 3, the first (of 5 entries as stipulated in RCD) entry is En3 (and last En8) i.e by the draw down as stated in "Price Entry Range": 0.5%, changes according to RH. Note; First entry d.d likely to be 0.5% for FX, 1% for Gold, 3% for Stocks/Indices, 10% for BTC/USD). Each entry being 0.5% (Variable: "Price Entry Range": 0.5%) more drawn down than previous price entry. Have slippage allowed applied, so it keeps re trying entry as far as price spread/slippage below is satisfied and is same or better than RB.

Variable: "One entry per RA": **True/False**. No more than a single entry is made per RA. Its price is determined by "RB entries from En:". This must also prevent rule E entries (in which case they would be counted as new rules as part of future RA) and its adjustments to existing order. If true Rule A can work as is, counting further qualifying and unused rules as part of new RA. If false then those new qualifying rules after RA are counted as described in Rule E.

Variable: "Max Spread % allowed": 0.03. So if price is 2.1000 then the max spread allowed for entry is 6.3 pips (63 points).

Variable: "Max Slippage points allowed": 3. Max Slippage allowed for entry would also be 0.3 pips (3 points).

Make "Trading Blocked By Big Spread" message appear in journal/log only while RB-RE is valid, this will give advance warning to adjust the variable (if necessary) before RB or RE entries attempted. Re try these blocked entries due to wide spread/slippage at RB price if 1st entry made is still open and there is no opposing R's 1-24 that can occur on rules respective TF's.

- C. Make Variable "Virtual SL": **True** (Executes at market so hidden from broker) / **False** (placed as pending order). Virtual SL distance 1.5% (from each entry price). Variable: "SL Distance": 1.5%. Risk size of entry should be 1% of *free equity*; use SL distance and RCb and RCc variable values to Calculate. Variable: "Risk % per order": 1%. Variable: "Next order same volume as last": **True/False**.

Prevent new entries if RB still valid but at least one of below occur (but resume if they don't occur):

Ca. There is an opposing rule R's 1-24

Cb. If new trades takes sum loss of account (up to hard SL, not trailing) of total open trades + trade trying to be opened over 15% value with Variable: "Max loss of open trades v bal <%" : 15.

Cc. If new trades takes sum loss of account (up to hard SL, not trailing) of total open trades + trade trying to be opened below Margin Level 2000%. Make Variable "Min Margin level %": 2000. This dynamic value is seen on the MT4 platform.

Cd. Have Variable: "Max open entries per pair": 5.

Ce. Variables in C must be on whole acc. No exceptions to this rule.

D. Exit trades profitably (after any cost of commission, spread and SWAP on trade) as follows with value of Variable: "Trail start%": 0.45 being calculated from one of the following 3 values to be selected...

Da. 1st R 1-22. If selected, then order closes with value "Trail by%" which starts from 1st (furthest left) R's 1-24 that made up entry.

Db. RA. If selected, then each order closes with value of "Trail by%". Those values calculated from RA.

Dc. Trail from entry. If selected, then each order closes with Variable: "Trail start %": 0.45 in profit (I.e price move) from each respective trade order entry.

Then in either of the 3 values above, the SL follows market price *up* with Variable: "Trail by%": 0.05. So this is the amount the trailing stop should be *above* market price as it moves into profit. Therefore to prevent loss the 1st R's 1-24, RA, "Trail start%" from start to entry must be larger than "Trail by%".

All exit orders in RD must execute at market so hidden from broker (stealth). Make so order never close at loss using "Trail by%", this is the method ALL profitable trades will close. Each subsequent valid RE entry must close with 1st R's 1-24 (Rule Da) and have the default "Trail by%" value increase by a quarter. Therefore, a default value of 0.15% becomes 0.1875%. RD exits are superseded (negated) if RE is active according to ("Rule E active": **True/False**) and occurs.

E. Another rule 1-23 occurs. RE occurs if an extra qualifying ("R's active for": Entries and opposing and ensuring it is different based on Variable: "RA Must be made up of different R's") one of these appears without opposing R's between it and RA and if price has not first hit "Invalidating price move from latest RA": 0.2 % then RE entries are valid. So in this instance it would be a 6th (furthest right) one. If price has not gone into profit by stipulated % as stated in Variable: "Invalidating price move from latest RE": 0.2 %; Then for remaining entries double the value of Variable "Risk % per order:". Therefore if set to 0.1%, entry volume/risk becomes 0.2%. For already opened trades on that instrument also double (+100%) value of Variable: "Trail by": 0.2%. E.g to 0.4%. Variable: "Double Trail by": **True/False**. If another qualifying 7th R's 1-24 occurs treble (+200%) original Variable "Risk % per order:" only. All other rules still apply. Calculated in same way as "Risk % per order:" Defined in RC use Variable: "Max % risk per order": 5. Variable: "Alert on RE and En5+": **True/False**. It must be marked on chart regardless of **True/False**, by default it should also show this info on chart EA status that currently displays last RA. If **True** on screen alert (sound and pop up message, and also printed in MT4 Journal) must operate in both EA and Indicator mode, every time RE and En5 occurs detailing e.g "RE (6th R's 1-24)". Add new Variable "For blocked RE and En5 close profits by%": 0.20. So EA closes open profitable trades (i.e at least 0.20% better price than they were opened) to open RE or En5 or higher that have been prevented from being opened due to Variable: "Max loss of open trades v bal <%" value (defined in RC).

Variable: "Rule E active": **True/False**. If false RE is completely shut down. If **True**, see example scenario of how Rule E works;

If Variable: "One entry per RA": is also **True**, and "RB entries from En:" 2. Note En 1 occurs at RA price and variable: "Fri RB entries from En:" 4. Set to GMT time, on Sunday entries resume if still valid. If set to 3, the first (of 5 entries as stipulated in RCd) entry is En3 (and last En8) i.e by the draw down as stated in "Price Entry Range": 0.5%, changes according to RH. This paragraph is stated in rule B. In described scenario in this paragraph the volume calculation in RE would still apply!

F. Any RE exits for open positions are superseded if an opposing signal RA occurs; close the open orders/position respectively as below:

Fa. Variable: "Close on reverse single R's 1-24 signal when in profit" **True/False**. Close each current open individual trade order on same pair/direction in profit by half the value set in "Trail by" and "Trail start" explained in RD.

Fb. Variable: "Close in profit on opposing respective RA": **True/False**. If **true** close each current open individual trade order on same pair/direction in profit by half the value set in "Trail by" and "Trail start" explained in RD.

Make all RF exits at market so hidden from broker (stealth). If all 2 values set to true; "Close in profit on opposing respective RA" supersedes. RFa and RFb must be able to work together and both be set to true by default. If all 2 set to false, on opposing RA trade will close on SL or trailing SL defined in rule RD and RE respectively.

G. Global Variables;

-No new trades should be opened on account from Fri 4pm GMT for rest of day, close all trades open on account when each in profit (by at least 0.10% after any cost of commission, spread and SWAP on trade) from 4pm GMT Fri, then close any unprofitable trades on account from Fri 7pm GMT. Variable can be called "Safer Wkend": True/False.

-"Only count from R's in M1": True/False. Meaning don't show/count (for RA) R's that would appear before where the first R in M1 TF could have shown.

- Add global Variable: "Comment" field that user can fill in EA setting

- Add simple to administer security license scheme to be used if EA were to be sold: E.g explained here <https://www.mql5.com/en/code/15534>. Variable: "Account number": 123344, so check for EA license use, with date for expiry, if blank then works indefinitely. Account number and date to be changed from source code fields.

- Variable: "No new entries between": 19 Dec and 7 Jan. Only closure (according to rules) of existing trades on acc occurs between these low volume dates.

-Full logs feature to be built with Variable "Logger Function" True/False. So that EA would do full logs of all actions.

-Display dynamic spread on each chart in points and as % of price. E.g if price is 2.1000, Spread shown is 0.03% and 63 points.

H. When price for last 24 market hrs is X%-X%. The values of the respective "Price entry range %" (explained in RB) for current (last 24 hrs) volatility should be used for ALL NEW RB & RE entries.

If price range (hi-lo) below 3% in last 24 market HOURS = "Price entry range %": default value used.

If price range (hi-lo) between 3%-6% in last 24 market HOURS = "Price entry range %" 0.40%.

If price range (hi-lo) between 6%-9% in last 24 market HOURS = "Price entry range %" 0.70%.

If price range (hi-lo) over 9% in last 24 market HOURS = "Price entry range %" 1%.