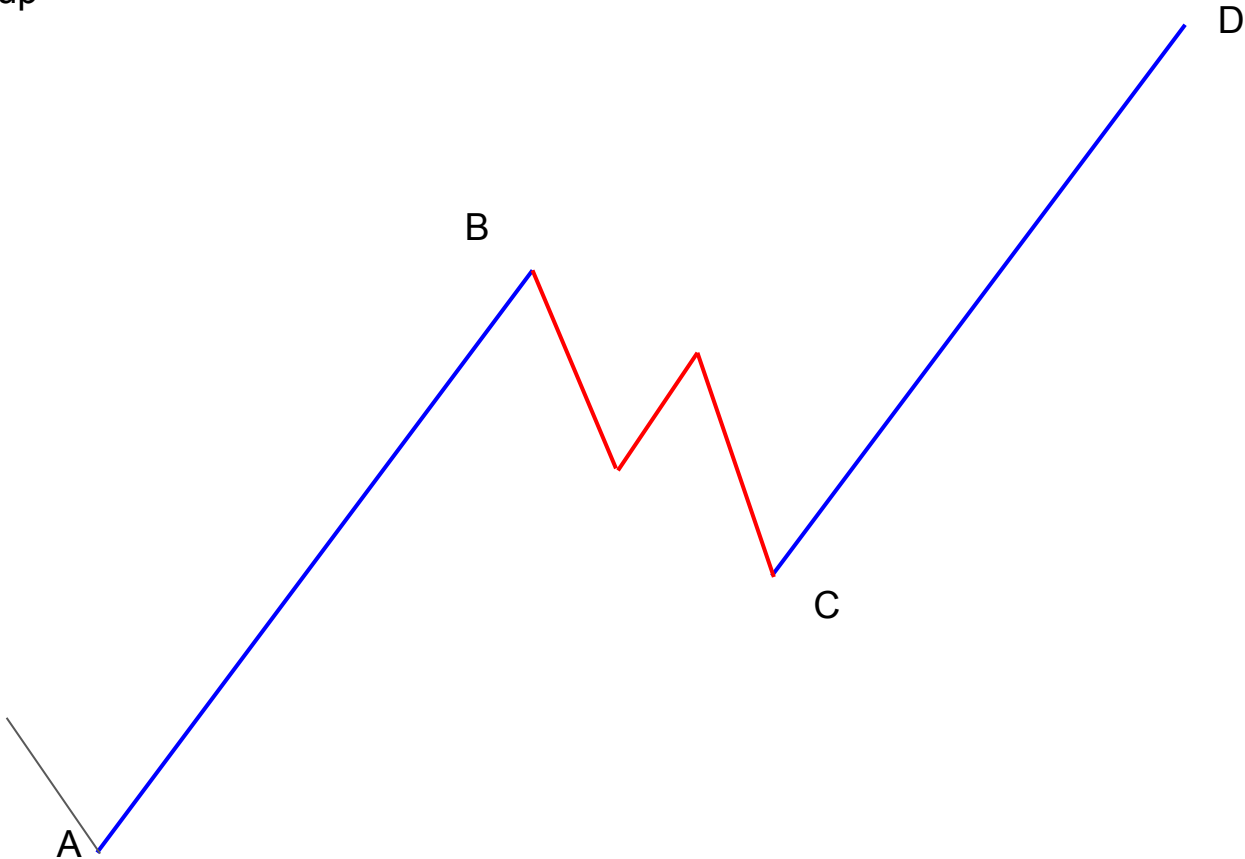# 2 Legs EA Projects

Simple Setup

Point 1 - Pullback recognize

Define a pullback(BC)
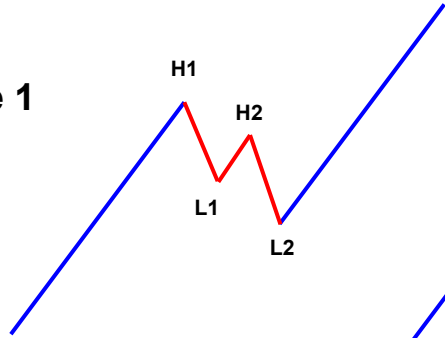
Point 1 B to C Pattern recognition:
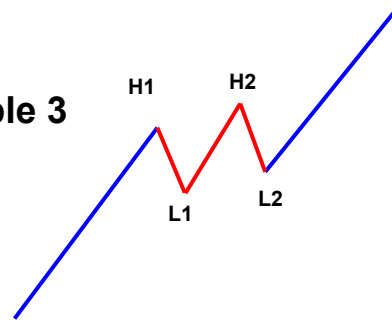
Recognize Example1,2,3,4. And exclude Example 5.

B to C at least 7 bars and less than or equal to 20 bars

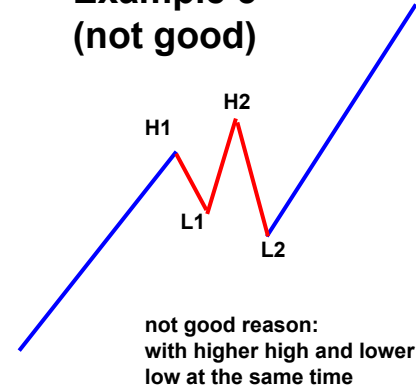**Use Frame to show the recognized pullback at strategy Tester**

Example 1 (good)

H1
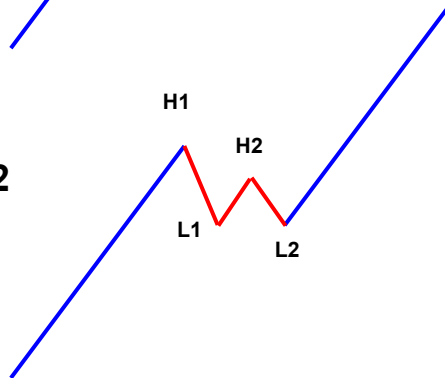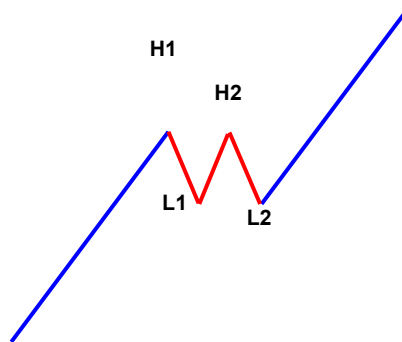H2
L1
L2

Example 3 (good)

H1
H2
L1
L2

Example 5 (not good)

H2
H1
L1
L2

not good reason:
with higher high and lower
low at the same time

Example 2 (good)

H1
H2
L1
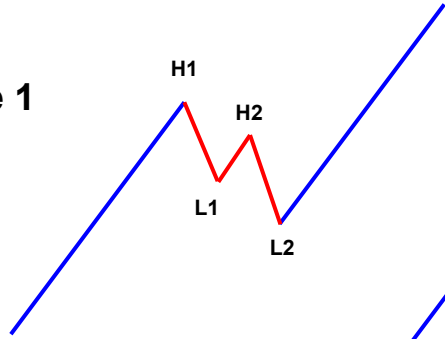L2

Example 4 (good)

H1
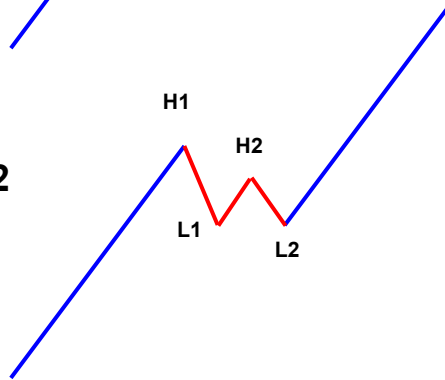H2
L1
L2

Define a pullback(BC)

For going up market:
- if (H2 is higher than H1 AND L2 lower than L1) = ignore this order (Exmple 5)
- number of bars of between H1 to L2 (including H1 and L2 itselfs), must be 7 to 20 bars(too few or too long pullback will be skipped).
- use ATR rate to detect the height of BC. Add a input value(s), to let user to adjust the min. and max. value to trigger the order.
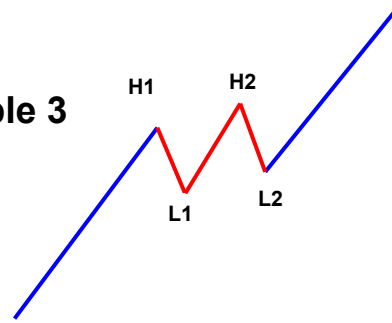

Example 1
(good)

Example 2
(good)

Example 3
(good)

Example 4
(good)

Example 5
(not good)

not good reason:
with higher high and lower low at the same time
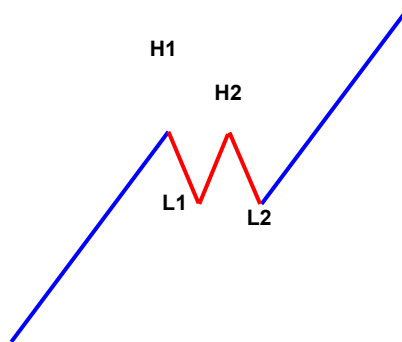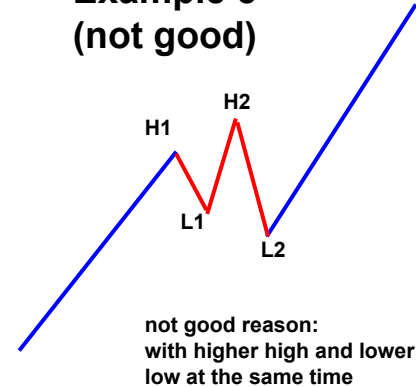
Point 2 - Trend

Define a trend(AB)

After recognized the pull back pattern, then use ADX indicator to define the trend. (the sequence must be recognize the pullback pattern first, and then check the ADX indicatror.)

Add input value(s) to let user adjust the value(s) the min. and max. level in order to trigger the order.
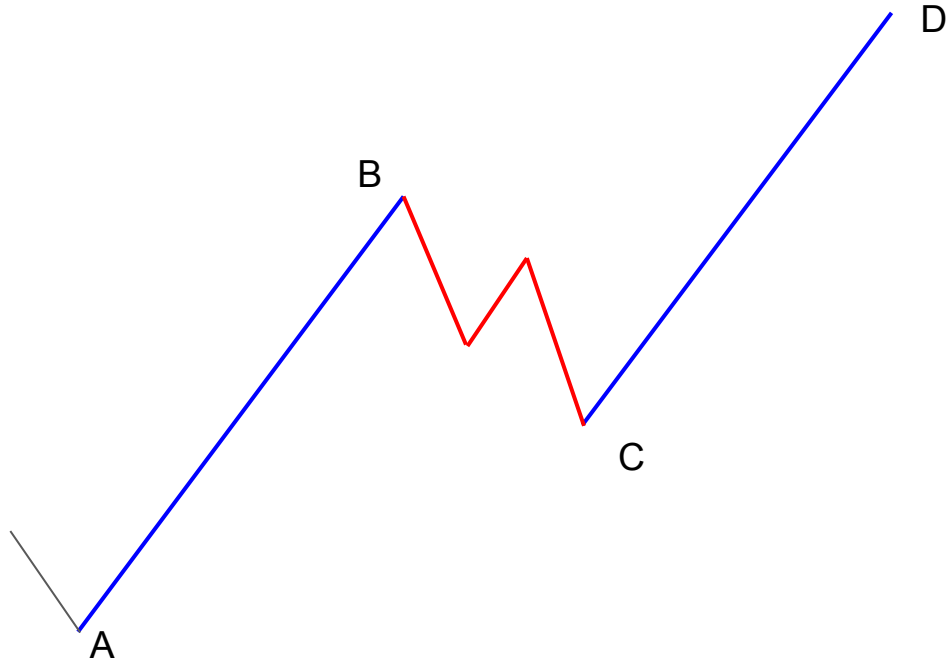
Point 3 - Order Entry

Make order

For going up market:

Please place a buy order when the price is higher then H2.

**Example 1
(good)**

H1
H2
L1
L2

**Example 3
(good)**

H1
H2
L1
L2

**Example 2
(good)**

H1
H2
L1
L2

**Example 4
(good)**

H1
H2
L1
L2
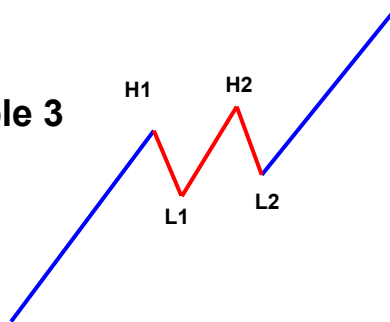
Point 4 - Order Entry Mode

Order Entry Mode:

For going up market:

Use pull down menu and let user to choose which method to entry the order:
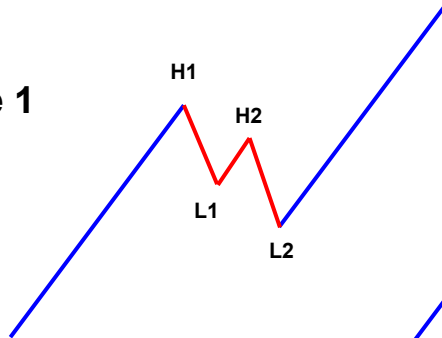
- **Market Order**
- **Close Next Bar Entry (after trigger the place order command, then place the order, if any next bar closed and the closed price is higher than the trigger price)**
- **Full Next Bar Entry (after trigger the place order command, then the place order, if any next bar closed and open&high&low&close are higher than the trigger price)**

Point 5 - Order Lots

Order Lot:

Use pull down menu and let user to choose which LOT method to entry the order:

- **Fix Lot**
- **Fix Risk Amount (Lost money amount when hit SL is equal to this money value)**
- **Fix Percentage Risk (Lost money amount when hit SL is equal to this percentage of the exisiting amount in the pool)**

Let user input a value for above choice.

Point 6 - Stop Loss

Stop Loss:

Use pull down menu and let user to choose which Stop Loss method:

- **Ratio of BC height (if user input 1, SL value is same as height of BC height.**
    - **For example: if input = 0.5, then SL is 50% of BC height**
    - **For example: if input = 2, then SL is 2 x BC height**
- **ATR Rate (use ATR rate value, then user to input and adjust the SL distance)**
    - **For example: user may input 0.5, 1, 2 …**

Let user input a value for above choice.

Point 7 - Take Profit

Take Profit:

Use pull down menu and let user to choose which Take Proft method:

- **TP SL Ratio: TP base of SL distance. If user input 1, then TP is equal to SL distance**
    - **For example: If user input 0.5, then TP is half of SL distance**
    - **For example: If user input 2, then TP is 2 x SL distance**
- **TP BC Ratio: TP base of BC height. If user input 1, then TP is equal to BC height**
    - **For example: If user input 0.5, then TP is half of BC height**
    - **For example: If user input 2, then TP is 2 x SL BC height**

Let user input a value for above choice.

Point 8 - Leave Mode before TP

Leave Mode before TP:

If Market going up

Use pull down menu and let user to choose which Leave Mode method:

- **NONE:**
- **Breakeven Ratio: if price reached "Breakeven Touch ratio", if price going down to "Breakeven Leave ratio", then exit the order.**
- **2LOW: if price reached "Breakeven Touch ratio", if price going down, when the price is lower then previous 2 bars Low, then exit the order.**

Breakeven Touch ratio (TP distance ratio: 0.5 = 50%)
Breakeven Leave ratio (TP distance ratio: 0.5 = 50%)

- **For this project document, example just use one direction for explanation. This project need to write both direction (buy and sell) logic base on the explanation.**
- **This project need to include the source code**
- **Source code need clear remark for each function**
- **This EA can work normally with one account with multiple EA. (need to add user input value for magic number)**
- **Bugs maintainance 7 days after payment completed. (Bugs issue ONLY)**