**Rule based algorithm to be implemented in the Trading Bot**

1. Information to be accounted
   1. Moving average 20EMA, 100EMA, 200EMA
   2. Bollinger Band
   3. MACD (***TODO***)
   4. Time 5M, 15M Candle Stick (***TODO***)
2. Intersection of 20EMA, 100EMA and 200EMA will fix the trend
3. Calculate the slope of each EMA (***TODO***)
4. If the slope is uptrend for 100EMA and 200EMA, then basic stance is to **BUY**
5. If the slope is downtrend for 100EMA and 200EMA, then basic stance is to **SELL**
6. Real time calculation of **distance of closing price** from (100EMA, 200EMA and upper and lower limit of 2 Sigma Bollinger Band (**BB**)) (**threshold [distance value] for selling and buying**) ***TODO***
7. Touching 100EMA or 200EMA or BB will trigger any **BUY** or **SELL**
8. We will consider MACD in next steps

***TODO 01***  
MA – 100 EMA slope calculation   
from single EMA point to multiple (tangent value + angle value)  
set a difference value i.e. (**threshold tangent and angle**) for BB, 100EMA and 200EMA  
  
***TODO 02***  
while down trend (closing value) adjacent(**threshold**) to SMA(###) → **SELL**  
while up trend (closing value) adjacent(**threshold**) to SMA(###) → **BUY  
*comment:*** *[ set a threshold value to trigger buy or sell on distance of closing value from EMA(100, 200) ]***Example data source**

forex – EUR-USD / USD-YEN

10 AM - 100   
10:15 - 101  
10:30 - 102  
10:45 - 103  
11:00 - 104  
11:15 - 101  
11:30 - 102

15M Chart



グラフ, ヒストグラム

自動的に生成された説明

グラフ, ヒストグラム

自動的に生成された説明

暗い, 座る, 明かり, 光 が含まれている画像

自動的に生成された説明