

# Of recognizing the Trefoil knots In a price chart of a security of the financial markets

HAN DO

## 0. Abstract

The Trefoil knots in a price chart of a security of financial markets are recognized. The paper also shows how to use the knots to be timing the financial markets.

## 1. Creating a knot in a price chart

If we connect supports or resistances together in a certain order, we will have a certain knot. We have the following examples.

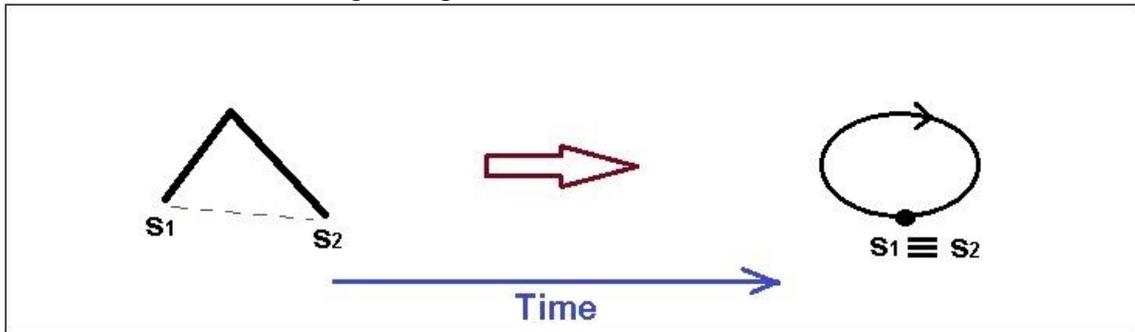


Fig. 1.1: A zero knot is created.

$S_2$  is lower  $S_1$ . Then, we could note  $S_2=S_1$  as the following graph

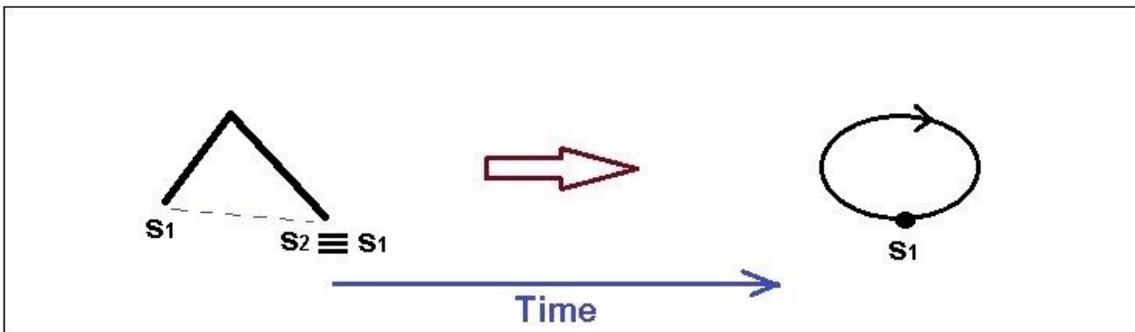


Fig. 1.2: We note  $S_2=S_1$  if  $S_2$  touch or exceed  $S_1$

Now, we consider another example (see Fig. 1.3)

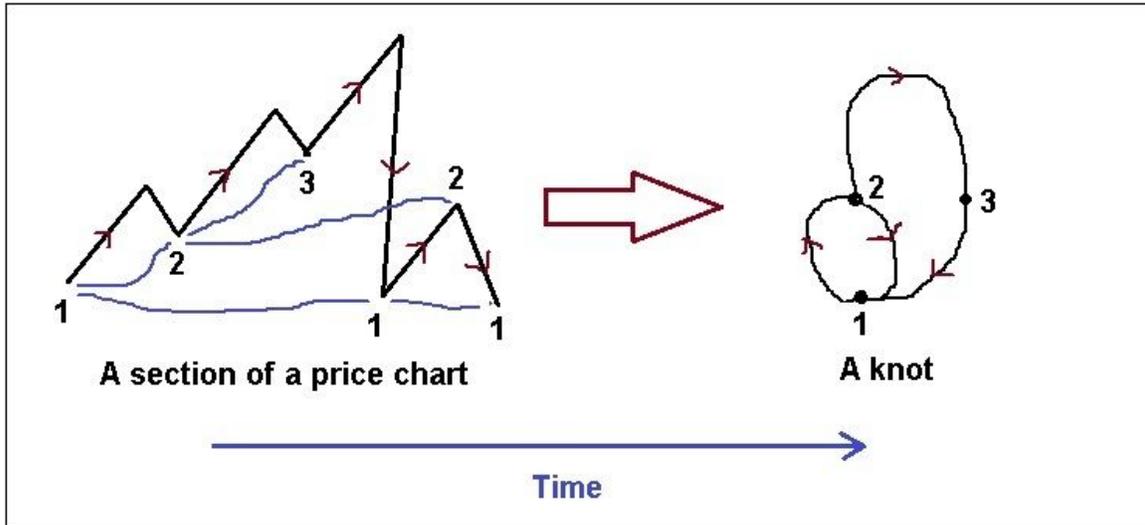


Fig. 1.3: A knot from a section of price chart by connecting supports or resistances in certain order.

And this is a Trefoil knot (see Fig. 1.4)

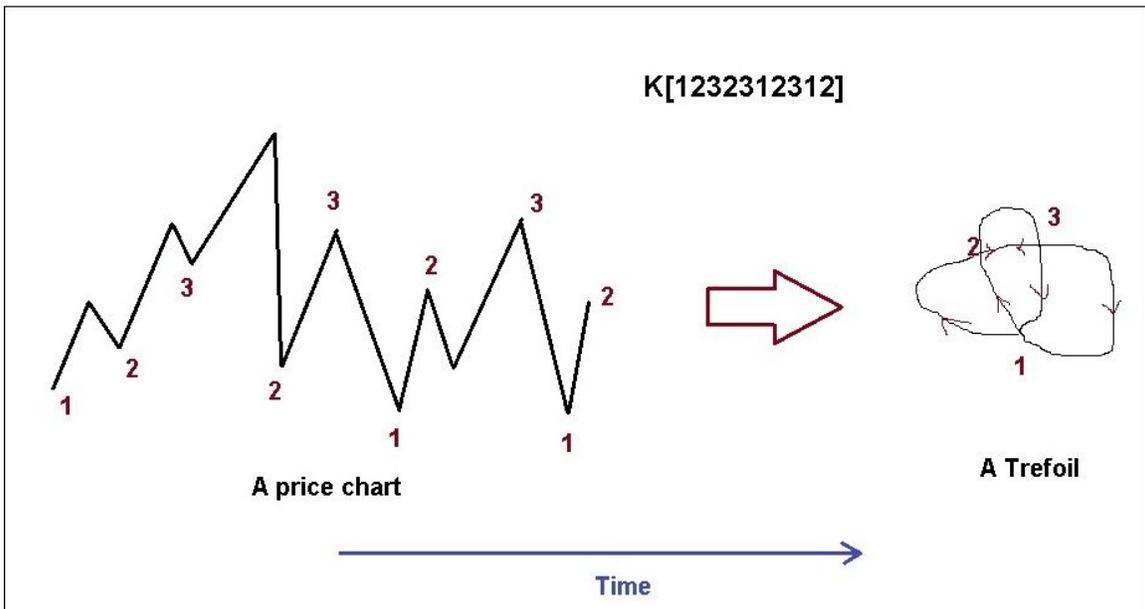


Fig. 1.4: A Trefoil knot from a section of price chart

We connect the numbers together by the above method in Fig 1.4. We have a Trefoil knot. We note it by  $K_s$  [...]. We also have different ( $K_s$ )s for the Trefoils in a price chart. We call the  $K_s$  is a state. For example, we have a state  $K_s$  [1232312312] of a price chart in Fig. 1.4

## 2. Recognizing the Trefoil knots in a price chart

We can recognize a Trefoil knot in a price chart by using the method in section 1.

We have 3 following examples: EUR/USD, HPQ, and USB. (Fig 2.1.a, 2.1.b, and 2.1.c)



Fig. 2.1.a: A Trefoil knot of EUR/USD



Fig. 2.1.b: A Trefoil knot of HPQ

We can see HPQ's price last 20 years (1998-2018) to complete a Trefoil knot (Fig.2.1.b).

USB's price last 15 years (1998-2013) to complete a Trefoil knot (Fig.2.1.c)



Fig. 2.1.c: A Trefoil knot of USB

### 3. Timing

Base on the knots, we could be timing where the price is going.

Here, I have had three examples AUD/NZD at 4h-chart, EUR/USD at 15m-chart, and Hewlett-Packard Company (HPQ).

- A. AUD/NZD: It had moved follow the Trefoil knot at 4h-chart and I drew 2 points: 2 and 1 at Sep 2015 (Fig. 3.1.a)

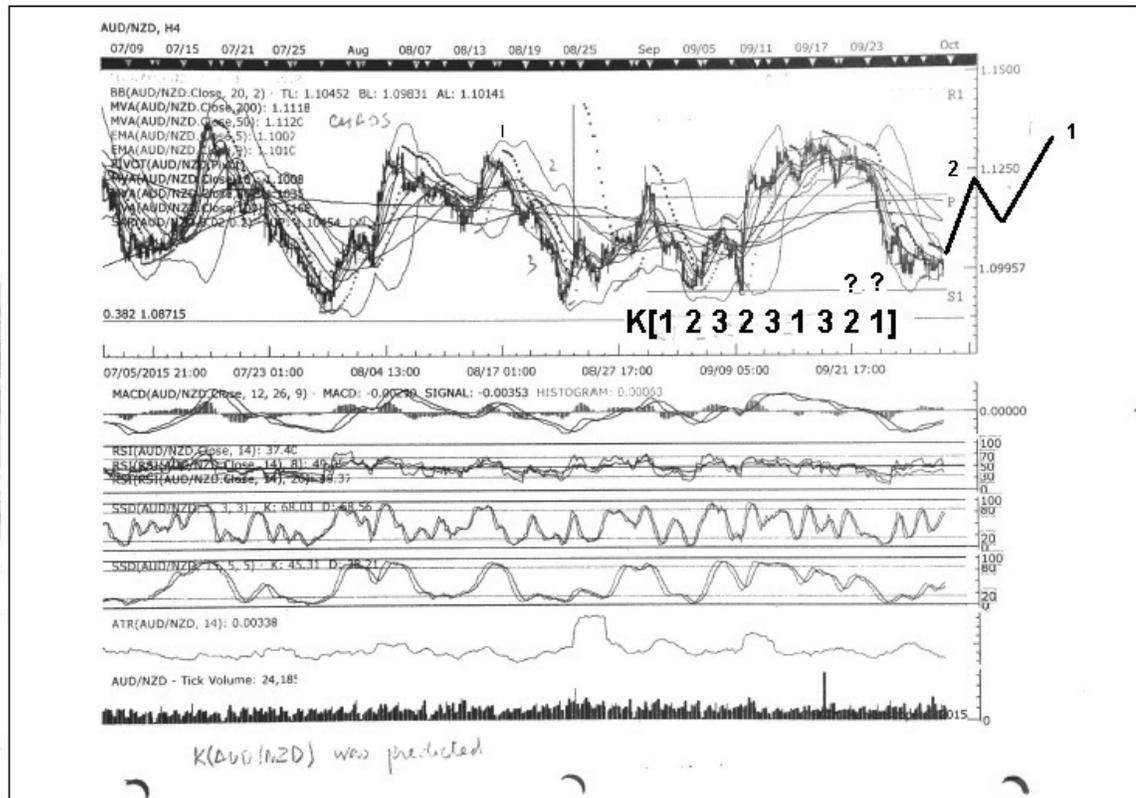
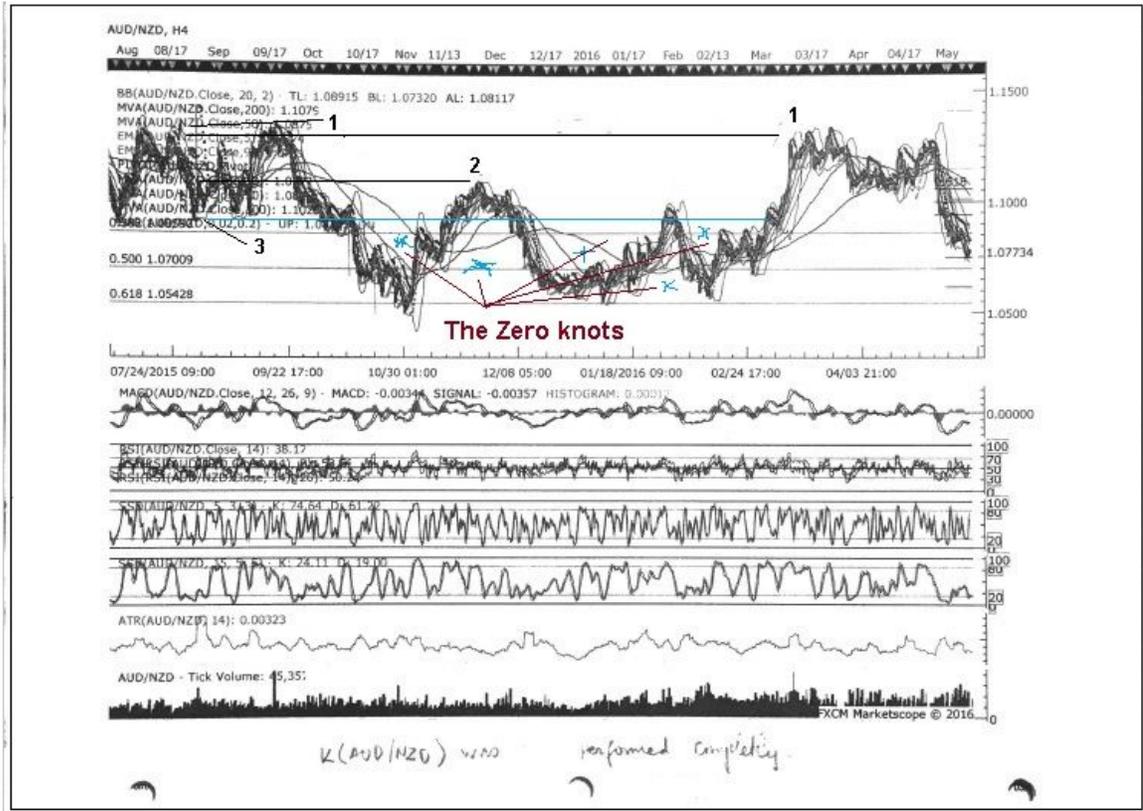


Fig. 3.1.a: A predicted Trefoil knot of AUD/NZD

Then, it has moved to the points later on at Feb - Mar 2015 (Fig. 3.1.b).



**Fig. 3.1.b:** A reality Trefoil knot of AUD/NZD with Zero-knot errors

B. EUR/USD: It had moved follow the Trefoil knot at 15m-chart and I have drew a final point 2 (Fig. 3.2.a)

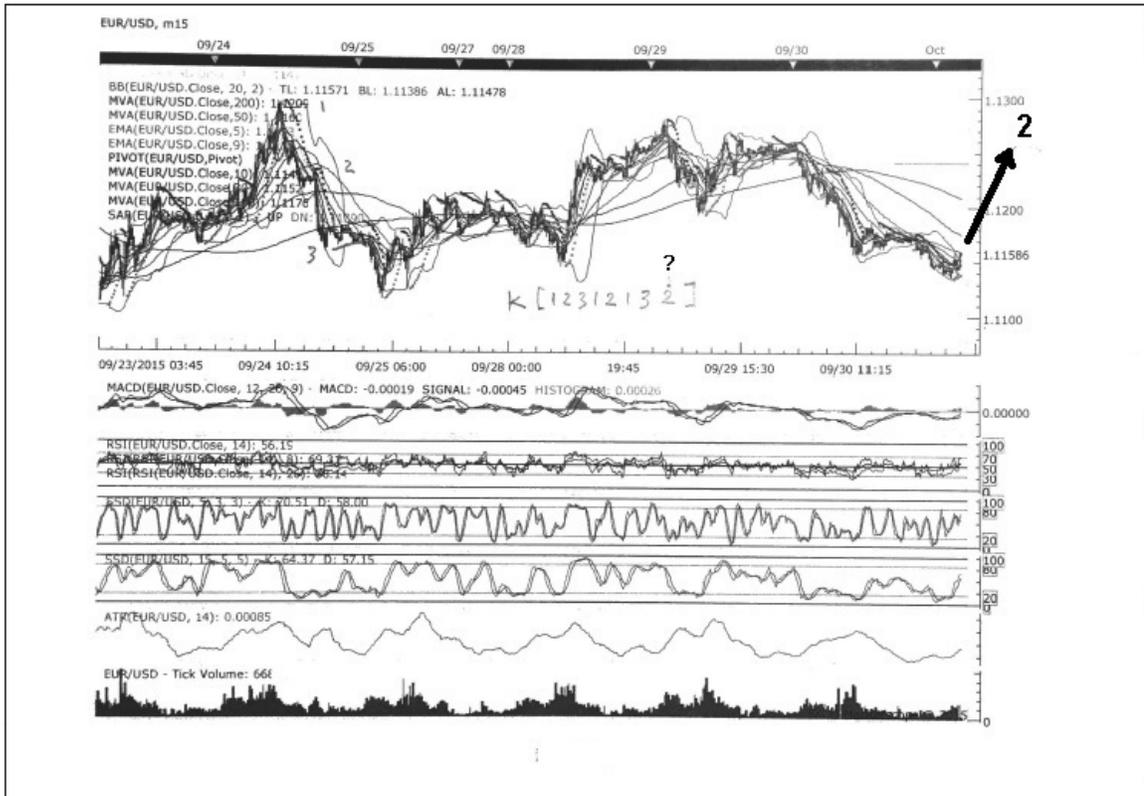


Fig. 3.2.a: A predicted Trefoil knot of EUR/USD

Then, it has moved to the point later on (Fig. 3.2.b).

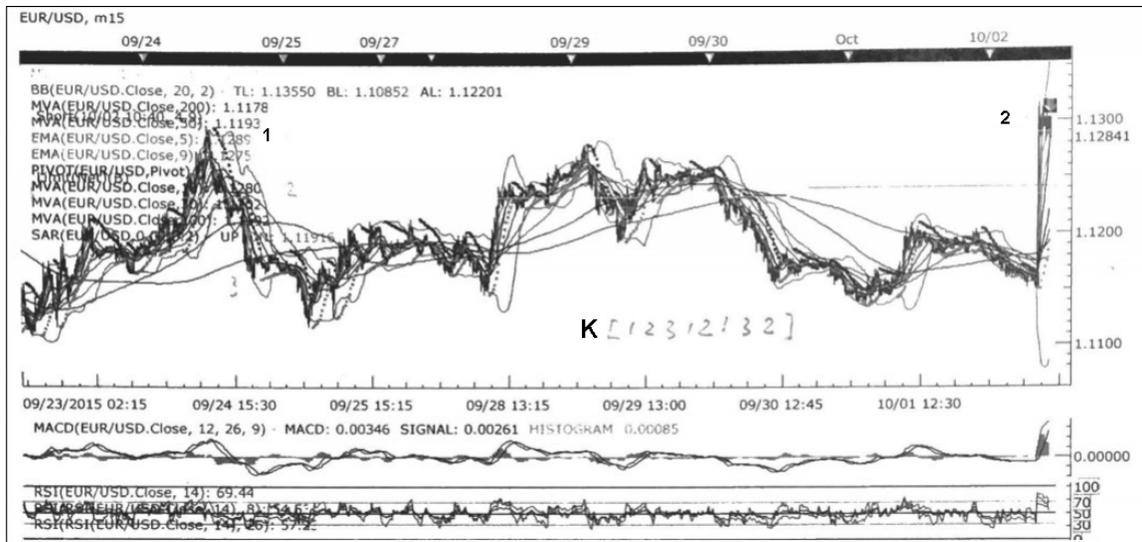


Fig. 3.2.b: A reality Trefoil knot of EUR/USD

- C. HPQ: It had structure of the Trefoil knot at a time-frame: MAX (over 5 years). I decided it at Oct-2014 and saw that it has moved down below 2 later on. (Fig. 3.3.a).

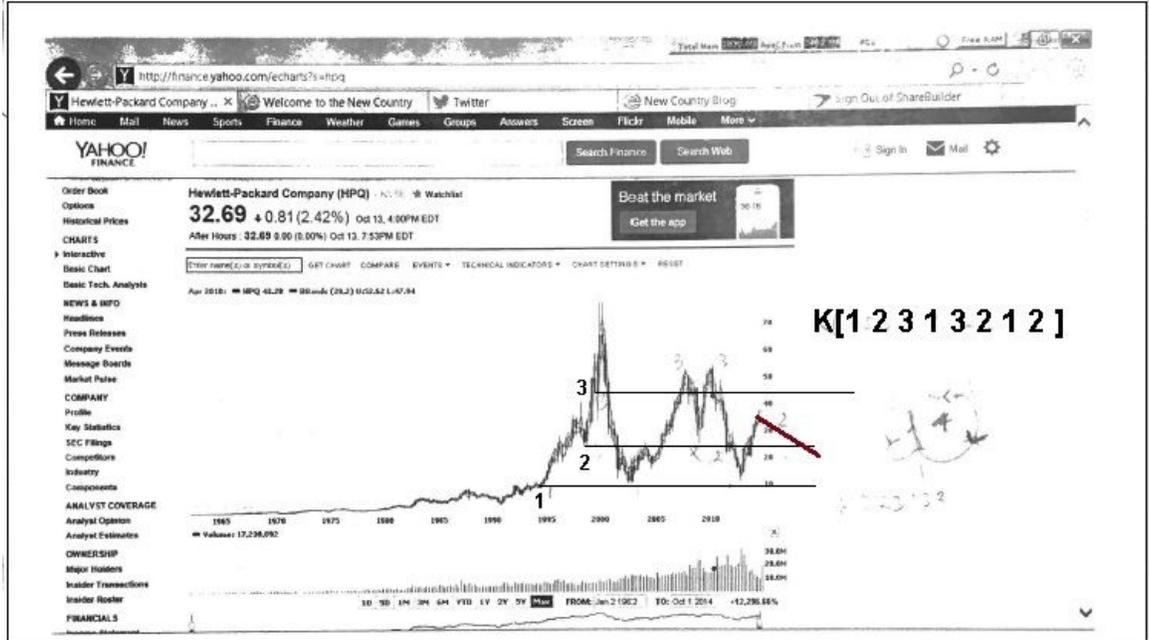


Fig. 3.3.a: A predicted Trefoil knot of HPQ

I had forgotten it until 2018 when I was looking for some pictures of the knots in the price chart in my folder of knots and I saw it again. Then, I have printed a new picture of it. It was correct while compare two the pictures (Fig 3.3.a, Fig.3.3.b)



Fig. 3.3.b: A reality Trefoil knot of HPQ

## 4. Conclusion

Up and down in a price chart of a security of the financial markets create some certain knots. Specially, the Trefoil knots. Hence, we could be timing a price chart of the financial markets.

## 5. References

[1] ADAMS, COLIN C. The Knot book: An Elementary Introduction to the Mathematical Theory of Knots. W. H. Freeman and Company, New York, New York, 2001.

[2] You can see more examples of the timing in the financial markets at my site <http://www.jumpthefrog.com>