



The key insight in the algorithm is as follows. If there is a cycle, then, for any integers $i \geq \mu$ and $k \geq 0$, $x_i = x_{i+k\lambda}$, where λ is the length of the loop to be found, μ is the index of the first element of the cycle, and k is a whole integer representing the number of loops. Based on this, it can then be shown that $i = k\lambda + \mu$ for some k if and only if $x_i = x_{2i}$ (if $x_i = x_{i+k\lambda} = x_{2i}$, then $2i = i + k\lambda \Rightarrow i = k\lambda$). Thus, the algorithm only needs to check for repeated values of this special form, one twice as far from the start of the sequence as the other, to find a period v of a repetition that is a multiple of λ . Once v is found, the algorithm retraces the sequence from its start to find the first repeated value x_μ in the sequence, using the fact that λ divides v and therefore that $x_\mu = x_{\mu+v}$. Finally, once the value of μ is known it is trivial to find the length λ of the shortest repeating cycle, by searching for the first position $\mu + \lambda$ for which $x_{\mu+\lambda} = x_\mu$.

<LOOP> <LIMIT IN>

from market movers most active/top % gainers...

once price rises 5/10 cents above whole dollar amount... set limit buy at whole dollar amount... if prices rises to 15/25 cents above whole amount or does not return to whole dollar amount, set limit at 5 cents above whole dollar amount...

quick observation beforehand and during buy... of fluctuation and volatility within a 1 minute candle will determine limit sell price... but sell price will usually be 5/10 cents (single base hit) for stocks in the 3 to 7 dollar range and 5 to 25 cents for stocks above 7 dollars.

REPEAT AS LONG AS PRICE STAYS WITHIN THE "LOOP" OF THE BUY/SELL LIMIT

a quick succession of single base hits (5/10 cents) off a LOOP can be the equivalent of one 50 cent gain.

always make sure the chart is on a general incline.

NEVER BUY ON A RED CANDLE IF THERE IS NO SWING PATTERN AND/OR IF PRICE RISES MORE THAN 25 CENTS ABOVE WHOLE DOLLAR AMOUNT (RESET LIMIT IN IF/WHEN PRICE COMES BACK DOWN AND CANDLE TURNS GREEN AT WHOLE DOLLAR AMOUNT)

</LOOP> </LIMIT OUT>



XXX.00
XX.75
XX.50
XX.25
X.00

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