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//  
// @author LazyBear  
//  
// If you use this code in its original/modified form, do drop me a note.  
//  
study(title="WaveTrend with Crosses [LazyBear]", shorttitle="WT_CROSS_LB")  
n1 = input(10, "Channel Length")  
n2 = input(21, "Average Length")  
obLevel1 = input(60, "Over Bought Level 1")  
obLevel2 = input(53, "Over Bought Level 2")  
osLevel1 = input(-60, "Over Sold Level 1")  
osLevel2 = input(-53, "Over Sold Level 2")  
  
ap = hlc3  
esa = ema(ap, n1)  
d = ema(abs(ap - esa), n1)  
ci = (ap - esa) / (0.015 * d)  
tci = ema(ci, n2)  
  
wt1 = tci  
wt2 = sma(wt1,4)  
  
plot(0, color=gray)  
plot(obLevel1, color=red)  
plot(osLevel1, color=green)  
plot(obLevel2, color=red)  
plot(osLevel2, color=green)  
  
plot(wt1, color=green)  
plot(wt2, color=red)  
plot(wt1-wt2, color=blue, style=area, transp=80)
```

```
plot(cross(wt1, wt2) ? wt2 : na, color = black , style = circles, linewidth = 3)
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```
plot(cross(wt1, wt2) ? wt2 : na, color = (wt2 - wt1 > 0 ? red : lime) , style = circles, linewidth = 2)
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```
barcolor(cross(wt1, wt2) ? (wt2 - wt1 > 0 ? aqua : yellow) : na)
```