

```
//@version=5
```

```
strategy("EMA1734", overlay=true)
```

```
strat_dir_input = input.string(title='İşlem Yönü', defval='Alis', options=['Alis', 'Satis',  
'Tum'])
```

```
strat_dir_value = strat_dir_input == 'Alis' ? strategy.direction.long : strat_dir_input ==  
'Satis' ? strategy.direction.short : strategy.direction.all
```

```
strategy.risk.allow_entry_in(strat_dir_value)
```

```
// === BACKTEST ARALIGI ===
```

```
backtestaraligi = input(true, title='----- Test Tarih Aralığı -----')
```

```
BaslangicAyi = input.int(defval=1, title='Başlangıç Ayı', minval=1, maxval=12)
```

```
BaslangicGunu = input.int(defval=1, title='Başlangıç Günü', minval=1, maxval=31)
```

```
BaslangicYili = input.int(defval=2019, title='Başlangıç Yılı', minval=2017)
```

```
BitisAyi = input.int(defval=1, title='Bitiş Ayı', minval=1, maxval=12)
```

```
BitisGunu = input.int(defval=1, title='Bitiş Günü', minval=1, maxval=31)
```

```
BitisYili = input.int(defval=9999, title='Bitiş Yılı', minval=2017)
```

```
baslangic = timestamp(BaslangicYili, BaslangicAyi, BaslangicGunu, 00, 00)
```

```
bitis = timestamp(BitisYili, BitisAyi, BitisGunu, 23, 59)
```

```
window() =>
```

```
time >= baslangic and time <= bitis ? true : false
```

```
ema_kisa_uzunluk = input.int(17, title="Kısa EMA Uzunluğu", minval=1)
```

```
ema_uzun_uzunluk = input.int(34, title="Uzun EMA Uzunluğu", minval=1)
```

```
ema_kisa = ta.ema(close, ema_kisa_uzunluk)
```

```
ema_uzun = ta.ema(close, ema_uzun_uzunluk)
```

```
plot(ema_kisa, color=color.rgb(0, 150, 255), title="EMA 17", linewidth=2)
```

```
plot(ema_uzun, color=color.rgb(255, 100, 0), title="EMA 34", linewidth=2)
```

```
al_sinyal = ta.crossover(ema_kisa, ema_uzun)
```

```
sat_sinyal = ta.crossunder(ema_kisa, ema_uzun)
```

```
plotshape(al_sinyal, title="AL Sinyali", location=location.belowbar, color=color.green,  
style=shape.labelup, text="AL", textcolor=color.white, size=size.small)
```

```
plotshape(sat_sinyal, title="SAT Sinyali", location=location.abovebar, color=color.red,  
style=shape.labeldown, text="SAT", textcolor=color.white, size=size.small)
```

```
hull_ma = ta.wma(ta.wma(close, 10), 89)
```

```
atr = ta.atr(14)
```

```
is_sideways = atr < 0.5 * ta.stdev(close, 20)
```

```
buy_signal = close > hull_ma and close > (close[1] + atr) and not is_sideways and  
close > ema_kisa and ema_kisa > ema_uzun
```

```
plotshape(buy_signal, title="Al Sinyali", size=size.small, location=location.belowbar,  
color=#e4ab00, style=shape.triangleup, text="AL5%")
```

```
if al_sinyal
```

```
    strategy.entry("Long", strategy.long, when=ema_kisa > ema_uzun and window())
```

```
if sat_sinyal
```

```
    strategy.entry("Short", strategy.short)
```

```
////////////////////////////////////
```

```
per1(pcmt) =>
```

```
    strategy.position_size != 0 ? math.round(pcmt / 100 * strategy.position_avg_price /  
    syminfo.mintick) : float(na)
```

```
zarkesmgb = input.float(title='Zarar Kes Yüzdesi', defval=100, minval=0.01)
zarkeslos = per1(zarkesmgb)
q1 = input.int(title='Satış Lot Sayısı 1.Kısım %', defval=3, minval=1)
q2 = input.int(title='Satış Lot Sayısı 2.Kısım %', defval=3, minval=1)
q3 = input.int(title='Satış Lot Sayısı 3.Kısım %', defval=5, minval=1)
q4 = input.int(title='Satış Lot Sayısı 4.Kısım %', defval=8, minval=1)
tp1 = input.float(title='Kar Yüzdesi 1.Kısım', defval=15, minval=0.01)
tp2 = input.float(title='Kar Yüzdesi 2.Kısım', defval=25, minval=0.01)
tp3 = input.float(title='Kar Yüzdesi 3.Kısım', defval=34, minval=0.01)
tp4 = input.float(title='Kar Yüzdesi 4.Kısım', defval=60, minval=0.01)
strategy.exit('KAR SATIŞI1', qty_percent=q1, profit=per1(tp1), loss=zarkeslos)
strategy.exit('KAR SATIŞI2', qty_percent=q2, profit=per1(tp2), loss=zarkeslos)
strategy.exit('KAR SATIŞI3', qty_percent=q3, profit=per1(tp3), loss=zarkeslos)
strategy.exit('KAR SATIŞI4', qty_percent=q4, profit=per1(tp4), loss=zarkeslos)
```

```
long_take_level_1 = strategy.position_avg_price * ((1 +(tp1/100)))
long_take_level_2 = strategy.position_avg_price * ((1 +(tp2/100)))
long_take_level_3 = strategy.position_avg_price * ((1 +(tp3/100)))
long_take_level_4 = strategy.position_avg_price * ((1 +(tp4/100)))
```

```
plot(strategy.position_size > 0 ? long_take_level_1 : na, style=plot.style_linebr,
color=color.new(color.green, 0), linewidth=1, title='KAR SATIŞI 1 - FİYATI')
plot(strategy.position_size > 0 ? long_take_level_2 : na, style=plot.style_linebr,
color=color.new(color.red, 0), linewidth=1, title='KAR SATIŞI 2- FİYATI')
plot(strategy.position_size > 0 ? long_take_level_3 : na, style=plot.style_linebr,
color=color.new(color.navy, 0), linewidth=1, title='KAR SATIŞI 3- FİYATI')
plot(strategy.position_size > 0 ? long_take_level_4 : na, style=plot.style_linebr,
color=color.new(color.purple, 0), linewidth=1, title='KAR SATIŞI 4- FİYATI')
```