//@version=3

study("Support and Resistance bot", overlay=true)

a = input(title="Sensitivity", type=integer, defval=10, minval=1, maxval=9999)

d = input(title="Transparency", type=integer, defval=85, minval=1, maxval=100)

b = #FF0000

c = #0000FF

plot(highest(a\*1), title='Resistance 1', color=b, linewidth=2, style=line, transp=d, offset=-9999, trackprice=true)

plot(lowest (a\*1), title='Support', color=c, linewidth=2, style=line, transp=d, offset=-9999, trackprice=true)

plot(highest(a\*2), title='Resistance', color=b, linewidth=2, style=line, transp=d, offset=-9999, trackprice=true)

plot(lowest (a\*2), title='Support', color=c, linewidth=2, style=line, transp=d, offset=-9999, trackprice=true)

plot(highest(a\*3), title='Resistance', color=b, linewidth=2, style=line, transp=d, offset=-9999, trackprice=true)

plot(lowest (a\*3), title='Support', color=c, linewidth=2, style=line, transp=d, offset=-9999, trackprice=true)

plot(highest(a\*4), title='Resistance', color=b, linewidth=2, style=line, transp=d, offset=-9999, trackprice=true)

plot(lowest (a\*4), title='Support', color=c, linewidth=2, style=line, transp=d, offset=-9999, trackprice=true)

plot(highest(a\*5), title='Resistance', color=b, linewidth=2, style=line, transp=d, offset=-9999, trackprice=true)

plot(lowest (a\*5), title='Support', color=c, linewidth=2, style=line, transp=d, offset=-9999, trackprice=true)

plot(highest(a\*6), title='Resistance', color=b, linewidth=2, style=line, transp=d, offset=-9999, trackprice=true)

plot(lowest (a\*6), title='Support', color=c, linewidth=2, style=line, transp=d, offset=-9999, trackprice=true)

plot(highest(a\*7), title='Resistance', color=b, linewidth=2, style=line, transp=d, offset=-9999, trackprice=true)

plot(lowest (a\*7), title='Support', color=c, linewidth=2, style=line, transp=d, offset=-9999, trackprice=true)

plot(highest(a\*8), title='Resistance', color=b, linewidth=2, style=line, transp=d, offset=-9999, trackprice=true)

plot(lowest (a\*8), title='Support', color=c, linewidth=2, style=line, transp=d, offset=-9999, trackprice=true)

plot(highest(a\*9), title='Resistance', color=b, linewidth=2, style=line, transp=d, offset=-9999, trackprice=true)

plot(lowest (a\*9), title='Support', color=c, linewidth=2, style=line, transp=d, offset=-9999, trackprice=true)

plot(highest(a\*10), title='Resistance', color=b, linewidth=2, style=line, transp=d, offset=-9999, trackprice=true)

plot(lowest (a\*10), title='Support', color=c, linewidth=2, style=line, transp=d, offset=-9999, trackprice=true)

plot(highest(a\*15), title='Resistance', color=b, linewidth=2, style=line, transp=d, offset=-9999, trackprice=true)

plot(lowest (a\*15), title='Support', color=c, linewidth=2, style=line, transp=d, offset=-9999, trackprice=true)

plot(highest(a\*20), title='Resistance', color=b, linewidth=2, style=line, transp=d, offset=-9999, trackprice=true)

plot(lowest (a\*20), title='Support', color=c, linewidth=2, style=line, transp=d, offset=-9999, trackprice=true)

plot(highest(a\*25), title='Resistance', color=b, linewidth=2, style=line, transp=d, offset=-9999, trackprice=true)

plot(lowest (a\*25), title='Support', color=c, linewidth=2, style=line, transp=d, offset=-9999, trackprice=true)

plot(highest(a\*30), title='Resistance', color=b, linewidth=2, style=line, transp=d, offset=-9999, trackprice=true)

plot(lowest (a\*30), title='Support', color=c, linewidth=2, style=line, transp=d, offset=-9999, trackprice=true)

plot(highest(a\*35), title='Resistance', color=b, linewidth=2, style=line, transp=d, offset=-9999, trackprice=true)

plot(lowest (a\*35), title='Support', color=c, linewidth=2, style=line, transp=d, offset=-9999, trackprice=true)

plot(highest(a\*40), title='Resistance', color=b, linewidth=2, style=line, transp=d, offset=-9999, trackprice=true)

plot(lowest (a\*40), title='Support', color=c, linewidth=2, style=line, transp=d, offset=-9999, trackprice=true)

plot(highest(a\*45), title='Resistance', color=b, linewidth=2, style=line, transp=d, offset=-9999, trackprice=true)

plot(lowest (a\*45), title='Support', color=c, linewidth=2, style=line, transp=d, offset=-9999, trackprice=true)

plot(highest(a\*50), title='Resistance', color=b, linewidth=2, style=line, transp=d, offset=-9999, trackprice=true)

plot(lowest (a\*50), title='Support', color=c, linewidth=2, style=line, transp=d, offset=-9999, trackprice=true)

plot(highest(a\*75), title='Resistance', color=b, linewidth=2, style=line, transp=d, offset=-9999, trackprice=true)

plot(lowest (a\*75), title='Support', color=c, linewidth=2, style=line, transp=d, offset=-9999, trackprice=true)

plot(highest(a\*100), title='Resistance', color=b, linewidth=2, style=line, transp=d, offset=-9999, trackprice=true)

plot(lowest (a\*100), title='Support', color=c, linewidth=2, style=line, transp=d, offset=-9999, trackprice=true)

plot(highest(a\*150), title='Resistance', color=b, linewidth=2, style=line, transp=d, offset=-9999, trackprice=true)

plot(lowest (a\*150), title='Support', color=c, linewidth=2, style=line, transp=d, offset=-9999, trackprice=true)

plot(highest(a\*200), title='Resistance', color=b, linewidth=2, style=line, transp=d, offset=-9999, trackprice=true)

plot(lowest (a\*200), title='Support', color=c, linewidth=2, style=line, transp=d, offset=-9999, trackprice=true)

plot(highest(a\*250), title='Resistance', color=b, linewidth=2, style=line, transp=d, offset=-9999, trackprice=true)

plot(lowest (a\*250), title='Support', color=c, linewidth=2, style=line, transp=d, offset=-9999, trackprice=true)

plot(highest(a\*300), title='Resistance', color=b, linewidth=2, style=line, transp=d, offset=-9999, trackprice=true)

plot(lowest (a\*300), title='Support', color=c, linewidth=2, style=line, transp=d, offset=-9999, trackprice=true)

plot(highest(a\*350), title='Resistance', color=b, linewidth=2, style=line, transp=d, offset=-9999, trackprice=true)

plot(lowest (a\*350), title='Support', color=c, linewidth=2, style=line, transp=d, offset=-9999, trackprice=true)

plot(highest(a\*400), title='Resistance', color=b, linewidth=2, style=line, transp=d, offset=-9999, trackprice=true)

plot(lowest (a\*400), title='Support', color=c, linewidth=2, style=line, transp=d, offset=-9999, trackprice=true)

plot(highest(a\*450), title='Resistance', color=b, linewidth=2, style=line, transp=d, offset=-9999, trackprice=true)

plot(lowest (a\*450), title='Support', color=c, linewidth=2, style=line, transp=d, offset=-9999, trackprice=true)

plot(highest(a\*500), title='Resistance', color=b, linewidth=2, style=line, transp=d, offset=-9999, trackprice=true)

plot(lowest (a\*500), title='Support', color=c, linewidth=2, style=line, transp=d, offset=-9999, trackprice=true)

plot(highest(a\*750), title='Resistance', color=b, linewidth=2, style=line, transp=d, offset=-9999, trackprice=true)

plot(lowest (a\*750), title='Support', color=c, linewidth=2, style=line, transp=d, offset=-9999, trackprice=true)

plot(highest(a\*1000), title='Resistance', color=b, linewidth=2, style=line, transp=d, offset=-9999, trackprice=true)

plot(lowest (a\*1000), title='Support', color=c, linewidth=2, style=line, transp=d, offset=-9999, trackprice=true)

plot(highest(a\*1250), title='Resistance', color=b, linewidth=2, style=line, transp=d, offset=-9999, trackprice=true)

plot(lowest (a\*1250), title='Support', color=c, linewidth=2, style=line, transp=d, offset=-9999, trackprice=true)

plot(highest(a\*1500), title='Resistance', color=b, linewidth=2, style=line, transp=d, offset=-9999, trackprice=true)

plot(lowest (a\*1500), title='Support', color=c, linewidth=2, style=line, transp=d, offset=-9999, trackprice=true)