

#ALL EMAs & TIMEFRAMES

```
def sixLength = 6;
def tenLength = 10;
def fourteenLength = 14;
def eighteenLength = 18;
def thirtyLength = 30;
def fiftyLength = 50;
def seventyLength = 70;
def onehundredLength = 100;
def twohundredLength = 200;
def timeFrame15m = AggregationPeriod.FIFTEEN_MIN;
def timeFrame1H = AggregationPeriod.HOUR;
def timeFrame4H = AggregationPeriod.FOUR_HOURS;
def timeFrameDaily = AggregationPeriod.DAY;
```

#M15 EMAs

```
def sixEMA15m = ExpAverage(close(period = timeFrame15m), sixLength);
def tenEMA15m = ExpAverage(close(period = timeFrame15m), tenLength);
def fourteenEMA15m = ExpAverage(close(period = timeFrame15m), fourteenLength);
def eighteenEMA15m = ExpAverage(close(period = timeFrame15m), eighteenLength);
def thirtyEMA15m = ExpAverage(close(period = timeFrame15m), thirtyLength);
def fiftyEMA15m = ExpAverage(close(period = timeFrame15m), fiftyLength);
def seventyEMA15m = ExpAverage(close(period = timeFrame15m), seventyLength);
def onehundredEMA15m = ExpAverage(close(period = timeFrame15m), onehundredLength);
def twohundredEMA15m = ExpAverage(close(period = timeFrame15m), twohundredLength);
```

#H1 EMAs

```
def sixEMA1H = ExpAverage(close(period = timeFrame1H), sixLength);
def tenEMA1H = ExpAverage(close(period = timeFrame1H), tenLength);
def fourteenEMA1H = ExpAverage(close(period = timeFrame1H), fourteenLength);
def eighteenEMA1H = ExpAverage(close(period = timeFrame1H), eighteenLength);
def thirtyEMA1H = ExpAverage(close(period = timeFrame1H), thirtyLength);
def fiftyEMA1H = ExpAverage(close(period = timeFrame1H), fiftyLength);
def seventyEMA1H = ExpAverage(close(period = timeFrame1H), seventyLength);
def twohundredEMA1H = ExpAverage(close(period = timeFrame1H), twohundredLength);
```

#H4 EMAs

```
def sixEMA4H = ExpAverage(close(period = timeFrame4H), sixLength);
def tenEMA4H = ExpAverage(close(period = timeFrame4H), tenLength);
def fourteenEMA4H = ExpAverage(close(period = timeFrame4H), fourteenLength);
def eighteenEMA4H = ExpAverage(close(period = timeFrame4H), eighteenLength);
def thirtyEMA4H = ExpAverage(close(period = timeFrame4H), thirtyLength);
def fiftyEMA4H = ExpAverage(close(period = timeFrame4H), fiftyLength);
def seventyEMA4H = ExpAverage(close(period = timeFrame4H), seventyLength);
def onehundredEMA4H = ExpAverage(close(period = timeFrame4H), onehundredLength);
def twohundredEMA4H = ExpAverage(close(period = timeFrame4H), twohundredLength);
```

#DAILY EMAs

```
def sixEMAdaily = ExpAverage(close(period = timeFrameDaily), sixLength);
def tenEMAdaily = ExpAverage(close(period = timeFrameDaily), tenLength);
def fourteenEMAdaily = ExpAverage(close(period = timeFrameDaily), fourteenLength);
def eighteenEMAdaily = ExpAverage(close(period = timeFrameDaily), eighteenLength);
def thirtyEMAdaily = ExpAverage(close(period = timeFrameDaily), thirtyLength);
def fiftyEMAdaily = ExpAverage(close(period = timeFrameDaily), fiftyLength);
def seventyEMAdaily = ExpAverage(close(period = timeFrameDaily), seventyLength);
def onehundredEMAdaily = ExpAverage(close(period = timeFrameDaily), onehundredLength);
def twohundredEMAdaily = ExpAverage(close(period = timeFrameDaily), twohundredLength);
```

#Daily Trading Range Study (Range Lines)

```
def averageType = AverageType.WILDERS;
def BasePeriod = AggregationPeriod.DAY;
def ATR = MovingAverage(averageType, TrueRange(high(period = "DAY")[1], close(period = "DAY")[1],
low(period = "DAY")[1]), fourteenLength);
def Today_High = Highest(high(period = BasePeriod)[0], 1);
def Today_Low = Lowest(low(period = BasePeriod)[0], 1);
def hctr = Today_Low + ATR;
def ldtr = Today_High - ATR;
```

#M15 EMA Studies

```
def sixEMA15m = ExpAverage(close(period = timeFrame15m), sixLength);
def tenEMA15m = ExpAverage(close(period = timeFrame15m), tenLength);
def eighteenEMA15m = ExpAverage(close(period = timeFrame15m), eighteenLength);
def thirtyEMA15m = ExpAverage(close(period = timeFrame15m), thirtyLength);
def fiftyEMA15m = ExpAverage(close(period = timeFrame15m), fiftyLength);
def seventyEMA15m = ExpAverage(close(period = timeFrame15m), seventyLength);
def twohundredEMA15m = ExpAverage(close(period = timeFrame15m), twohundredLength);
```

#H1 EMA Studies

```
def sixEMA1H = ExpAverage(close(period = timeFrame1H), sixLength);
def tenEMA1H = ExpAverage(close(period = timeFrame1H), tenLength);
def eighteenEMA1H = ExpAverage(close(period = timeFrame1H), eighteenLength);
def thirtyEMA1H = ExpAverage(close(period = timeFrame1H), thirtyLength);
def fiftyEMA1H = ExpAverage(close(period = timeFrame1H), fiftyLength);
def seventyEMA1H = ExpAverage(close(period = timeFrame1H), seventyLength);
def twohundredEMA1H = ExpAverage(close(period = timeFrame1H), twohundredLength);
```

#M15 18EMA BUY SETUP

sixEMA15m > eighteenEMA15m within 10 bars and eighteenEMA15m > fiftyEMA15m within 1 bar and fiftyEMA15m > twohundredEMA15m within 1 bar and eighteenEMA1H > fiftyEMA1H and fiftyEMA1H > twohundredEMA1H and low < tenEMA15m within 1 bar and low > thirtyEMA15m within 1 bar and low > sixEMA15m within 10 bars and high < hdtr and low > ldtr and MACDHistogram(). "Diff" > MACDHistogram(). "Diff" from 1 bar ago;

M15 50EMA BUY SETUP

sixEMA15m > eighteenEMA15m within 10 bars and eighteenEMA15m > fiftyEMA15m within 1 bar and fiftyEMA15m > twohundredEMA15m within 1 bar and eighteenEMA1H > fiftyEMA1H and fiftyEMA1H > twohundredEMA1H and low < thirtyEMA15m within 1 bar and low > seventyEMA15m within 1 bar and low > sixEMA15m within 20 bars and high < hdtr and low > ldtr and MACDHistogram(). "Diff" > MACDHistogram(). "Diff" from 1 bar ago;

#M15 18EMA SELL SETUP

sixEMA15m < eighteenEMA15m within 10 bars and eighteenEMA15m < fiftyEMA15m within 1 bar and fiftyEMA15m < twohundredEMA15m within 1 bar and eighteenEMA1H < fiftyEMA1H and fiftyEMA1H < twohundredEMA1H and high > tenEMA15m within 1 bar and high < thirtyEMA15m within 1 bar and high < sixEMA15m within 10 bars and high < hdtr and low > ldtr and MACDHistogram(). "Diff" < MACDHistogram(). "Diff" from 1 bar ago;

#M15 50EMA SELL SETUP

sixEMA15m < eighteenEMA15m within 10 bars and eighteenEMA15m < fiftyEMA15m within 1 bar and fiftyEMA15m < twohundredEMA15m within 1 bar and eighteenEMA1H < fiftyEMA1H and fiftyEMA1H < twohundredEMA1H and high > thirtyEMA15m within 1 bar and high < seventyEMA15m within 1 bar and high < sixEMA15m within 20 bars and high < hdtr and low > ldtr and MACDHistogram(). "Diff" < MACDHistogram(). "Diff" from 1 bar ago;