

def init points:

find low-init, high-init within data[0:depth]

points.append(low-init, high-init)

def init position:

if len(points) < 2: init points, return points[1]

if len(points) > 2: return points[-2]

def find points: < power = 1

tmp-high, tmp-low = max(data[previous\_idx : + depth], min(data[previous\_idx : + depth])

if previous = low point:

if tmp-high > previous + dev %

points.append(tmp-high)

previous = tmp-high

elif tmp-low < previous

points[-1] = tmp-low

previous = tmp-low. < else: power += 1

if previous = high point:

if tmp-high > previous

points[-1] = tmp-high

previous = tmp-high

elif tmp-low < previous - dev %

points.append(tmp-low)

previous = tmp-low. < else: power += 1

if previous\_idx + depth > len(data)

end

process  
the one  
according to idx