x1 y1

x2 y2

x3 y3

s=0.5\*abs((x1\*y2-x2\*y1)­+(x2\*y3-x3\*y2)+ (x3\*y1-x1\*y3)

xn+1=x1

yn+1=y1

s=0.5\*abs((x1\*y2-x2\*y1)­+(x2\*y3-x3\*y2)+…+ (xn\*yn+1-xn+1\*yn)

for(i=1 i<=n i++) s=s+x[i]\*y[i+1]-x[i+1]\*y[i]

s=0.5\*abs(s)