

```

function isReceipt = Receipt_recognition(I)
gs=im2gray(I);
gs=imadjust(gs);
mask=fspecial("average",3);
gsSmooth=imfilter(gs,mask,"replicate");
SE=strel("disk",8);
Ibg=imclose(gsSmooth,SE);
Ibgsub=Ibg-gsSmooth;
Ibw=~imbinarize(Ibgsub);
SE=strel("rectangle",[3,25]);
stripes=imopen(Ibw,SE);
signal=sum(stripes,2);
%Classification
minIndices=islocalmin(signal,"MinProminence",70,"ProminenceWindow",25);
Nmin=nnz(minIndices);
isReceipt=Nmin>=9;

end

```