function Index=extractIndices(Box, NC)

[Freq1,Height]=hist(Box(:,4)); %get the histogram of height

ind1=find(Freq1==NC); %find index which frequency equals the number of characters

for i=1:length(Box)

PColunm(i)=Box(i,2) \* Box(i,4); %new column with produce of height and y

end

Box2=cat(2,Box,PColunm');

[Freq2,Product]=hist(Box2(:,5),20); %get histogram base on new column

ind2=find(Freq2==NC); %find index that frequency equals the number of characters

if length(ind1)==1 %if found one set of box meet requirement

HChar=Height(ind1); %get height of character

error=Height(2)-Height(1); %error value of height

HRange=[HChar-(error/2) HChar+(error/2)]; %calculate range of height for characters

Index=[];

for i=1:size(Box,1)

if Box(i,4)>=HRange(1) && Box(i,4)<=HRange(2)

Index=[Index i]; %if meet requirement, add index to vector

end

end

elseif length(ind2)==1

HChar=Product(ind2); %get height of character

error=Product(2)-Product(1);%error value of height

HRange=[HChar-(error/2) HChar+(error/2)]; %calculate range of height for characters

Index=[];

for i=1:size(Box,1)

if Box(i,5)>=HRange(1) && Box(i,5)<=HRange(2)

Index=[Index i];%if meet requirement, add index to vector

end

end

elseif isempty(ind1) || length(ind1)>1

[Freq3,y]=hist(Box(:,2),20);

ind2=find(Freq3==NC);

if length(ind2)==1

HChar=y(ind2); %get height of character

error=y(2)-y(1);%error value of height

HRange=[HChar-(error/2) HChar+(error/2)]; %calculate range of height for characters

Index=[];

for i=1:size(Box,1)

if Box(i,2)>=HRange(1) && Box(i,2)<=HRange(2)

Index=[Index i];%if meet requirement, add index to vector

end

end

end

end

end