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% Obtain Data from Excel file
% variable = xlsread('filename','sheet');
televizyon = xlsread('data','tel'); % example
buzdolabi = xlsread('data','buz'); % example
...
stairs(num) % plot the data

clc,clear
time=1:24; %hours in a day
A=ones(length(time),1); %load A
Load_A=[time',A]; %Load A with time
B=zeros(length(time),1); %load B
B(18:20,1)=2; %loading characteristic of load B
Load_B=[time',B]; %Load B with time
T=Load_A(:,2)+Load_B(:,2); %Total load
Load_T=[time',T] %Total load with time
P_b=input('Enter the beginning of the peak hours: ');
P_d=input('Enter the duration of the peak hours: ');
P_e=P_b+P_d; %Ending of the peak hours
count=0;
Load_sT=Load_T;
for index=P_b:P_e
    if Load_T(index,2)>2
        Load_sT(index,2)=Load_A(index,2);
        count=count+1;
    end
end
end

for shift=0:count

Load_sT(P_e+shift,2)=Load_sT(P_e+shift,2)+Load_B(P_b+shift,2)%
Shifted total load
end
stairs(Load_T(:,1),Load_T(:,2))
hold on
stairs(Load_sT(:,1),Load_sT(:,2),'r')

```