

Instruction to use simplex option of Simplex:

```
options = optimset('Display', 'final', 'Diagnostics', 'off', 'LargeScale', 'off', 'Simplex', 'on');  
[xa,fvala,exitflag,ouput]=linprog(Cost,A,b,Aeq,beq,lb,ub,[],options);
```

Some MATLAB codes to help you for plotting the subtours:

```
function [] = plotTour( tours, Nodes )  
tour=[];  
  
min_x=min(Nodes(:,1));  
max_x=max(Nodes(:,1));  
  
min_y=min(Nodes(:,2));  
max_y=max(Nodes(:,2));  
  
colors=[[0 0 1];[1 0 0];[0 1 0];[0 0 0];[1 0 1]];  
  
for i=1: length(tours)  
  
    tour=tours{i};  
    coordinates = Nodes(tour,:);  
  
    if(i > size(colors,1))  
        color = colors(size(colors,1),:);  
    else  
        color = colors(i,:);  
    end  
    plot(coordinates(:,1), coordinates(:,2), 'color', color)  
    axis([min_x max_x min_y max_y])  
    hold on  
  
end  
  
hold off  
end
```