```
fid=fopen('Comp_Nodes_S11.txt');
tline = fgetl(fid);
tlines = cell(0,1);
while ischar(tline)
    tlines{end+1,1} = tline;
    tline = fgetl(fid);
end
fclose(fid);

%for j=1:3:(length(tlines)-3)
j=1;
LD_Nodes = [str2num(tlines{j}) ; str2num(tlines{j+1}) ; str2num(tlines{j+2})]';
```

```
ind2 = zeros(4,20);
ini_T = min(LD_Nodes(:,1));
for i=1:length(LD_Nodes)
    ini_n = LD_Nodes(i,1)-ini_T+1;
    fin_n = LD_Nodes(i,2)-ini_T;
    ind2(LD_Nodes(i,3),ini_n:fin_n)= ind2(LD_Nodes(i,3),ini_n:fin_n)+1;

end

% Bikenode -> 1
% Bicyclenode -> 2
% Pednode -> 3
% Car -> 4

ind2
```

```
ind2 =
    37    36    37    38    38    38    39    38    39    39    40    40    41 ···
    68    68    68    68    68    68    67    67    67    67    67    67    67
   212   212   212   212   212   212   212   212   212   212   212   212   212
    78    78    77    76    76    76    76    75    75    75    74    74    73
```

```
sum(ind2)
```

```
ans =
   395   394   394   394   394   394   394   392   393   393   393   393   393 ···
```

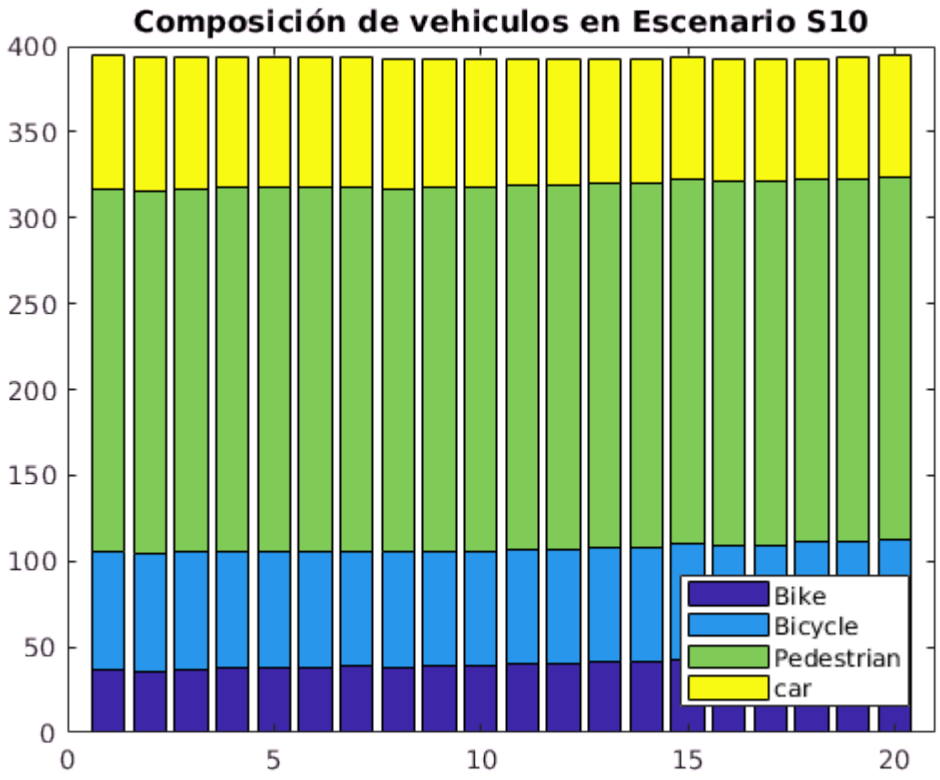
```
mean(sum(ind2))
```

```
ans = 393.5000
```

```
%Target Tomás

% #Cars   = 96
% #Ped    = 176
% #Ciclos = 112
% #Total Veh = 208
% #Total = 384
```

```
figure (1)
bar(ind2','stacked')
title('Composición de vehiculos en Escenario S10')
legend('Bike','Bicycle','Pedestrian','car','Location','SouthEast');
xlim([0 21])
```



Escenario baja densidad

```
fid=fopen('Comp_Nodes_S11_L.txt');
tline = fgetl(fid);
tlines = cell(0,1);
while ischar(tline)
    tlines{end+1,1} = tline;
    tline = fgetl(fid);
end
fclose(fid);

%for j=1:3:(length(tlines)-3)
j=1;
LD_Nodes = [str2num(tlines{j}) ; str2num(tlines{j+1}) ; str2num(tlines{j+2})]';
```

```
ind2 = zeros(4,20);
ini_T = min(LD_Nodes(:,1));
for i=1:length(LD_Nodes)
    ini_n = LD_Nodes(i,1)-ini_T+1;
    fin_n = LD_Nodes(i,2)-ini_T;
    ind2(LD_Nodes(i,3),ini_n:fin_n)= ind2(LD_Nodes(i,3),ini_n:fin_n)+1;

end

% Bikenode -> 1
% Bicyclenode -> 2
% Pednode -> 3
% Car -> 4

ind2
```

```
ind2 =
    27    28    28    28    28    28    28    29    30    30    30    30    30 ···
    36    36    36    36    36    36    38    38    38    37    37    38    38
   102   102   102   102   102   102   102   102   102   102   102   102   102
    45    44    43    43    44    43    43    43    43    43    41    42    42
```

```
sum(ind2)
```

```
ans =
   210   210   209   209   210   209   211   212   213   212   210   212   212 ···
```

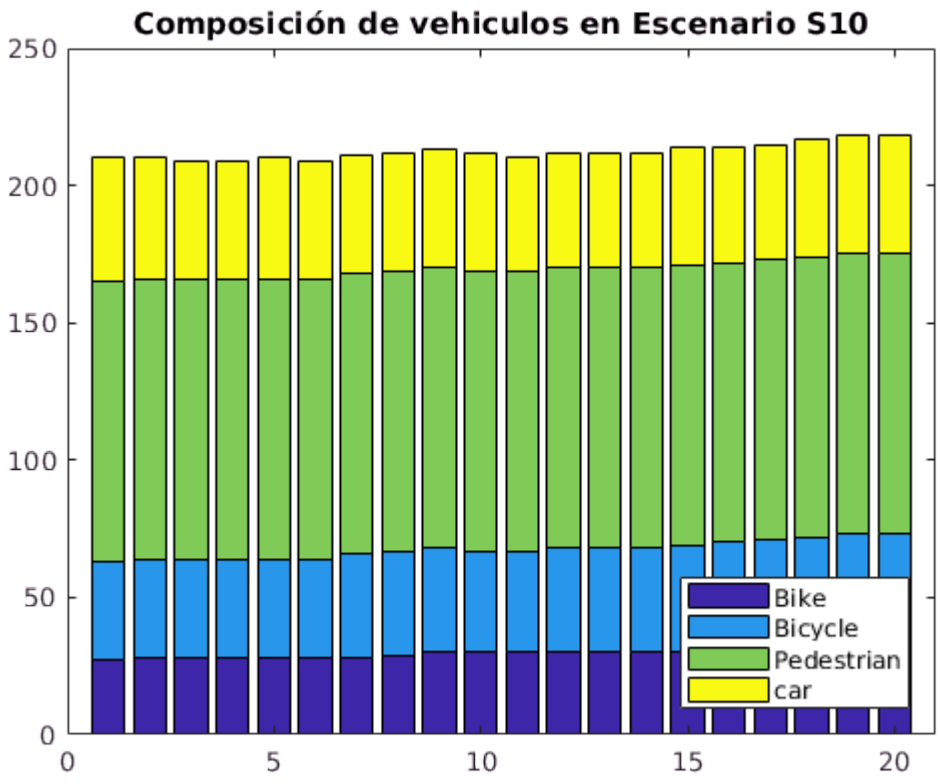
```
mean(sum(ind2))
```

```
ans = 212.3500
```

```
%Target Tomás

% #Cars   = 53
% #Ped    = 98
% #Ciclos = 62
% #Total Veh = 115
% #Total Nodes = 213

figure (1)
bar(ind2','stacked')
title('Composición de vehiculos en Escenario S10')
legend('Bike','Bicycle','Pedestrian','car','Location','SouthEast');
xlim([0 21])
```


Composición de vehiculos en Escenario S10
250
200
150
100
50
0
0
5
10
15
20
Bike
Bicycle
Pedestrian
car