```
j=1;
LD_Nodes = TxNodesOnStreetS10';
```

```
ind2 = zeros(4,20);
ind3 = 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;
    delta_t=fin_n-ini_n;
    if delta_t > 0
        ind2(LD_Nodes(i,3),ini_n:fin_n)= ind2(LD_Nodes(i,3),ini_n:fin_n)+1;
        if LD_Nodes(i,4)>=((delta_t*10)-1)
            ind3(LD_Nodes(i,3),ini_n:fin_n)= ind3(LD_Nodes(i,3),ini_n:fin_n)+1;
        end
    end
end

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

ind2
```

```
ind2 =
    11    12    11    10     9     9    10    10     9     9     9     9     8 ···
     2     3     3     3     3     3     3     3     3     3     3     2     2
    22    22    22    22    22    22    22    22    22    22    22    22    23
    12    14    14    15    15    15    14    14    14    14    15    16    16
```

•

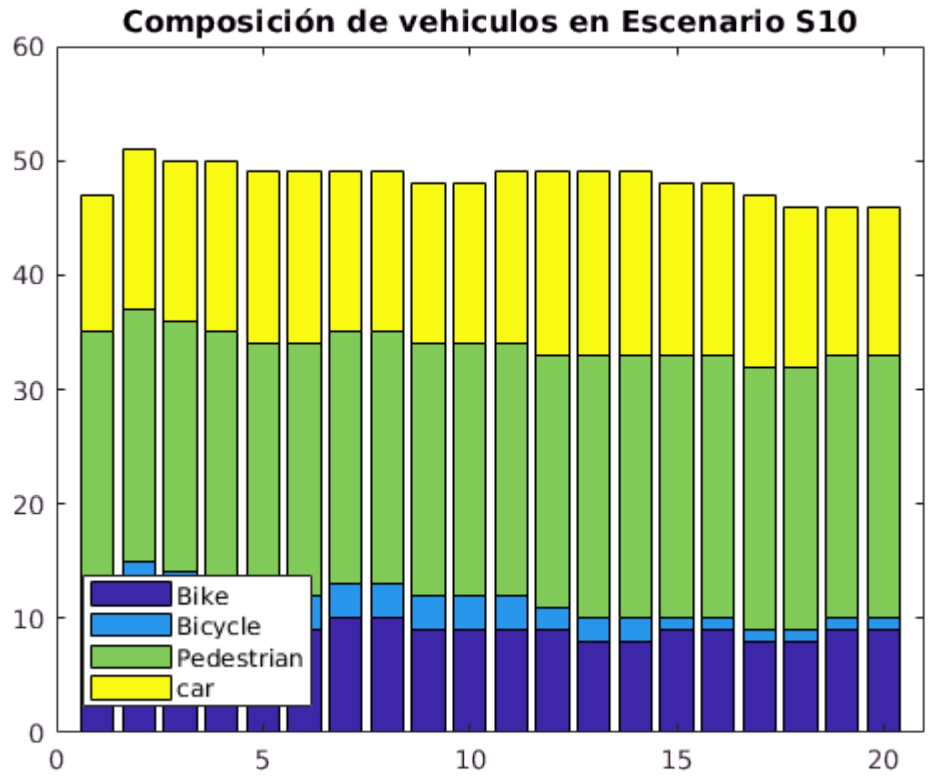
```
sum(ind2)
```

```
ans =
    47    51    50    50    49    49    49    49    48    48    49    49    49 ···
```

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

```
ans = 48.3500
```

```
figure (2)
bar(ind2','stacked')
title('Composición de vehiculos en Escenario S10')
legend('Bike','Bicycle','Pedestrian','car','Location','SouthWest');
xlim([0 21])
```




```
ind3
```

```
ind3 =
    11    12    11    10     9     9    10    10     9     9     9     9     8 ···
     2     3     3     3     3     3     3     3     3     3     3     2     2
    22    22    22    22    22    22    22    22    22    22    22    22    23
     0     0     0     0     0     0     0     0     0     0     0     0     0
```

•

```
sum(ind3)
```

```
ans =
    35    37    36    35    34    34    35    35    34    34    34    33    33 ···
```

•

```
mean(sum(ind3))
```

```
ans = 33.9000
```

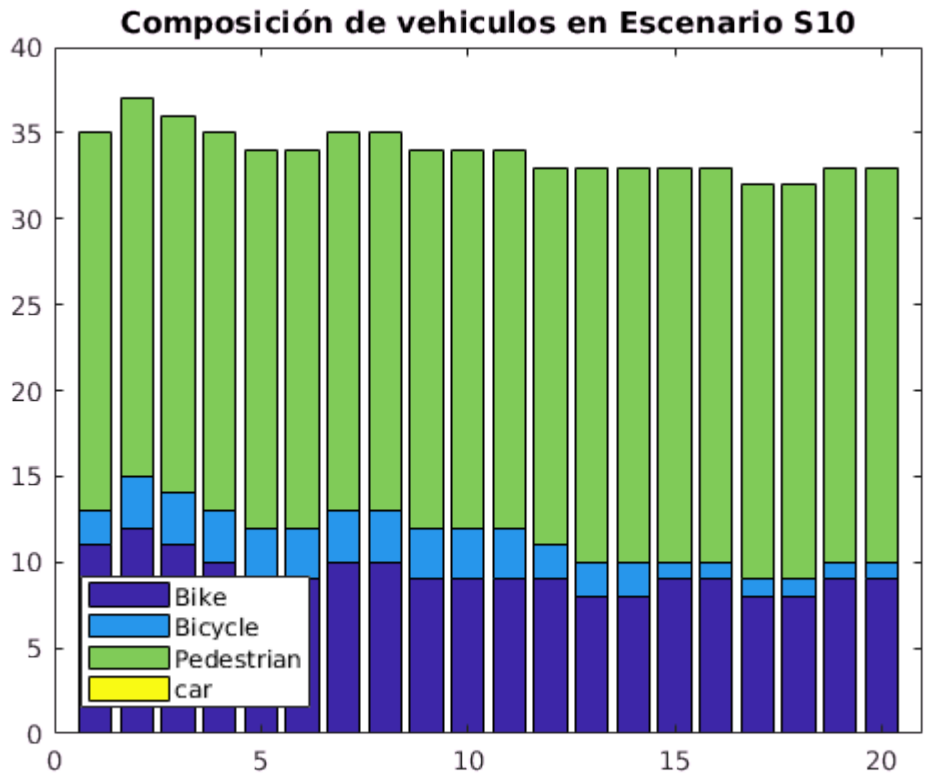
Proporción de nodos transmisores (en los 20 seg de simulación) / nodos en el escenario

```
ind3./ind2
```

```
ans =
     1     1     1     1     1     1     1     1     1     1     1     1     1 ···
     1     1     1     1     1     1     1     1     1     1     1     1     1
     1     1     1     1     1     1     1     1     1     1     1     1     1
```

```
     0     0     0     0     0     0     0     0     0     0     0     0     0
```

```
figure (3)
bar(ind3','stacked')
title('Composición de vehiculos en Escenario S10')
legend('Bike','Bicycle','Pedestrian','car','Location','SouthWest');
xlim([0 21])
```




```
LD_Nodes = TxNodesMovinPedS10'; %[str2num(tlines{j}) ; str2num(tlines{j+1}) ; str2num(tlines{j
%DEN=2059s,22330s,22113s,23916s


ind2 = zeros(4,20);
ind3 = 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;
    delta_t=fin_n-ini_n;
    if delta_t > 0
        ind2(LD_Nodes(i,3),ini_n:fin_n)= ind2(LD_Nodes(i,3),ini_n:fin_n)+1;
        if LD_Nodes(i,4)>delta_t*9
            ind3(LD_Nodes(i,3),ini_n:fin_n)= ind3(LD_Nodes(i,3),ini_n:fin_n)+1;
        end
    end
```

```
end

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

ind2
```

```
ind2 =
    11    12    11    10     9     9    10    10     9     9     9     9     8 ···
     2     3     3     3     3     3     3     3     3     3     3     2     2
    22    22    22    22    22    22    22    22    22    22    22    22    23
    12    14    14    15    15    15    14    14    14    14    15    16    16
```

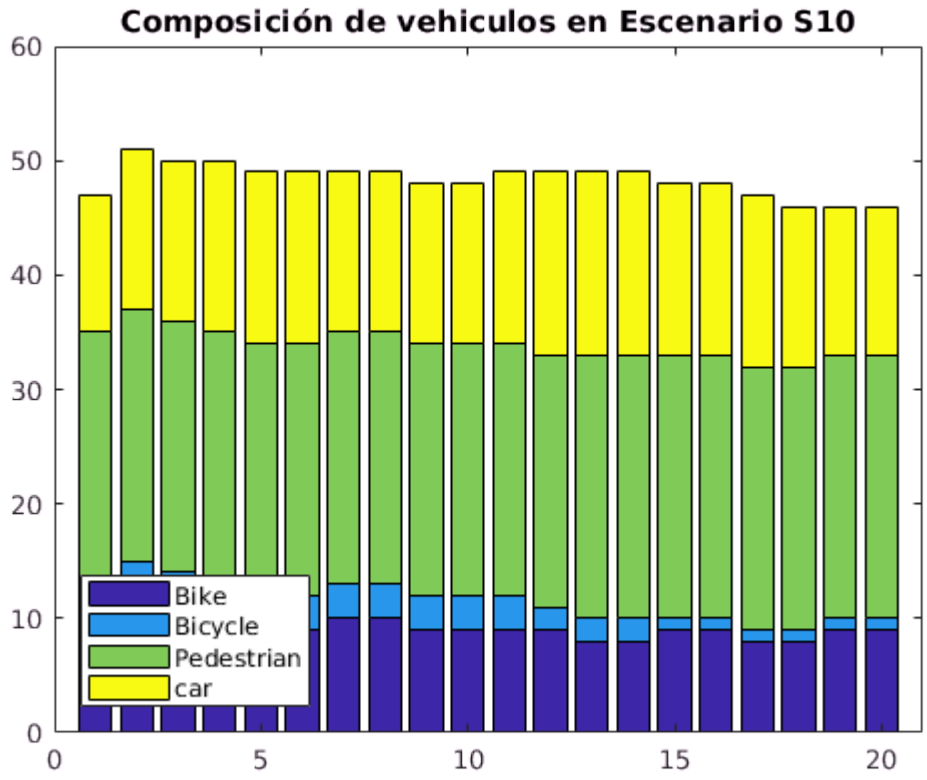
```
sum(ind2)
```

```
ans =
    47    51    50    50    49    49    49    49    48    48    49    49    49 ···
```

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

```
ans = 48.3500
```

```
figure (4)
bar(ind2','stacked')
title('Composición de vehiculos en Escenario S10')
legend('Bike','Bicycle','Pedestrian','car','Location','SouthWest');
xlim([0 21])
```




```
ind3
```

```
ind3 =
    10    11    10     9     8     8     9     9     8     8     8     8     7 ···
     2     3     3     3     3     3     3     3     3     3     3     2     2
    20    20    20    20    20    20    20    20    20    20    20    20    21
     0     0     0     0     0     0     0     0     0     0     0     0     0
```

•

```
sum(ind3)
```

```
ans =
    32    34    33    32    31    31    32    32    31    31    31    30    30 ···
```

•

```
mean(sum(ind3))
```

```
ans = 30.9000
```

Proporción de nodos transmisores (en los 20 seg de simulación) / nodos en el escenario

```
ind3./ind2
```

```
ans =
    0.9091    0.9167    0.9091    0.9000    0.8889    0.8889    0.9000    0.9000 ···
    1.0000    1.0000    1.0000    1.0000    1.0000    1.0000    1.0000    1.0000
    0.9091    0.9091    0.9091    0.9091    0.9091    0.9091    0.9091    0.9091
```

0 0 0 0 0 0 0 0

```
figure (5)
bar(ind3','stacked')
title('Composición de vehiculos en Escenario S10')
legend('Bike','Bicycle','Pedestrian','car','Location','SouthWest');
xlim([0 21])
```