```
ejecucion_15_nodos = [
    0.253, 0.215, 0.216,
    0.219, 0.168, 0.224,
    0.237, 0.216, 0.375,
    0.229, 0.154, 0.170,
    0.161, 0.165, 0.150
];

ejecucion_20_nodos = [
    0.288, 0.240, 0.196,
    0.165, 0.313, 0.207,
    0.322, 0.255, 0.289,
    0.195, 0.247, 0.225,
    0.312, 0.343, 0.527
];

ejecucion_25_nodos = [
    0.938, 1.296, 0.680,
    0.947, 0.703, 0.561,
    1.302, 0.475, 0.328,
    0.739, 1.148, 0.476,
    0.967, 1.594, 0.462
];

ejecucion_31_nodos = [
    0.777, 1.349, 0.510,
    0.914, 0.485, 0.800,
    0.378, 1.114, 0.586,
    0.745, 0.320, 0.348,
    0.475, 0.343, 0.473
];

media_m1_15 = mean(reshape(ejecucion_15_nodos(:,1), 5, 1));
media_m2_15 = mean(reshape(ejecucion_15_nodos(:,2), 5, 1));
media_m3_15 = mean(reshape(ejecucion_15_nodos(:,3), 5, 1));

media_m1_20 = mean(reshape(ejecucion_20_nodos(:,1), 5, 1));
media_m2_20 = mean(reshape(ejecucion_20_nodos(:,2), 5, 1));
media_m3_20 = mean(reshape(ejecucion_20_nodos(:,3), 5, 1));

media_m1_25 = mean(reshape(ejecucion_25_nodos(:,1), 5, 1));
media_m2_25 = mean(reshape(ejecucion_25_nodos(:,2), 5, 1));
media_m3_25 = mean(reshape(ejecucion_25_nodos(:,3), 5, 1));

media_m1_31 = mean(reshape(ejecucion_31_nodos(:,1), 5, 1));
media_m2_31 = mean(reshape(ejecucion_31_nodos(:,2), 5, 1));
media_m3_31 = mean(reshape(ejecucion_31_nodos(:,3), 5, 1));

figure;
```
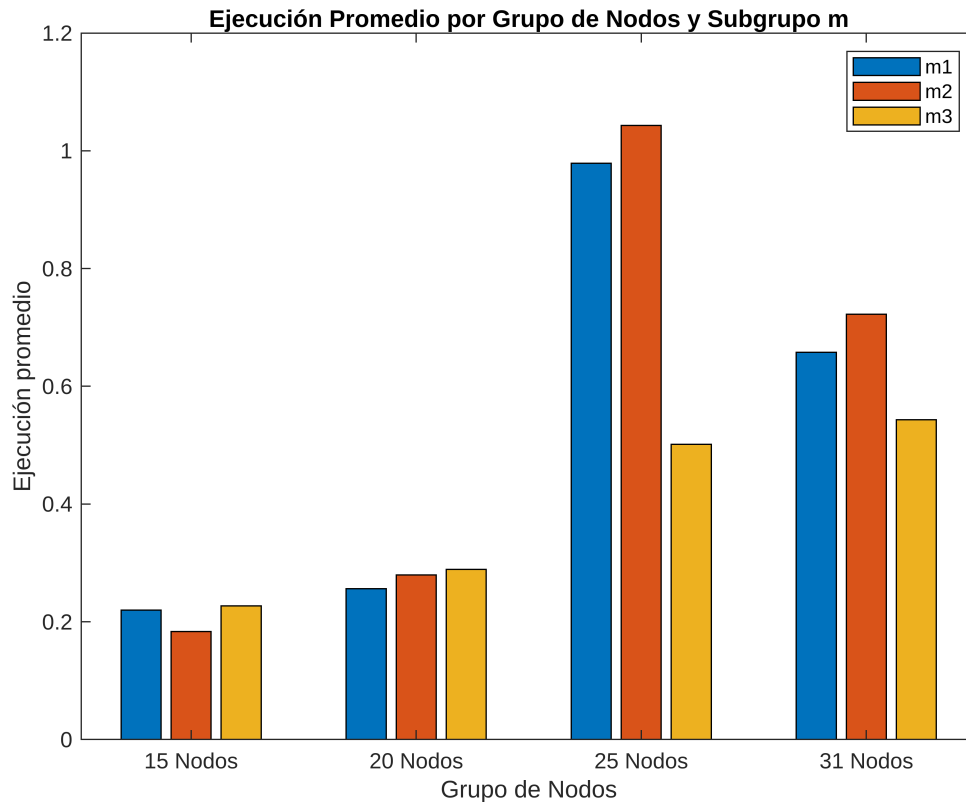
```matlab
bar([media_m1_15, media_m2_15, media_m3_15; media_m1_20, media_m2_20,
media_m3_20; media_m1_25, media_m2_25, media_m3_25; media_m1_31,
media_m2_31, media_m3_31], 'grouped');
legend('m1', 'm2', 'm3');
ylabel('Ejecución promedio');
xlabel('Grupo de Nodos');
set(gca, 'XTickLabel', {'15 Nodos', '20 Nodos', '25 Nodos', '31 Nodos'});
title('Ejecución Promedio por Grupo de Nodos y Subgrupo m');
```



```matlab
fprintf('\nPromedios de ejecución por subgrupo m para cada grupo de
nodos:\n');
```

Promedios de ejecución por subgrupo m para cada grupo de nodos:

```matlab
fprintf('15 Nodos - m1: %.4f, m2: %.4f, m3: %.4f\n', media_m1_15,
media_m2_15, media_m3_15);
```

15 Nodos - m1: 0.2198, m2: 0.1836, m3: 0.2270

```matlab
fprintf('20 Nodos - m1: %.4f, m2: %.4f, m3: %.4f\n', media_m1_20,
media_m2_20, media_m3_20);
```

20 Nodos - m1: 0.2564, m2: 0.2796, m3: 0.2888

```matlab
fprintf('25 Nodos - m1: %.4f, m2: %.4f, m3: %.4f\n', media_m1_25,
media_m2_25, media_m3_25);
```

```
25 Nodos - m1: 0.9786, m2: 1.0432, m3: 0.5014
```

```matlab
fprintf('31 Nodos - m1: %.4f, m2: %.4f, m3: %.4f\n', media_m1_31,
media_m2_31, media_m3_31);
```

```
31 Nodos - m1: 0.6578, m2: 0.7222, m3: 0.5434
```