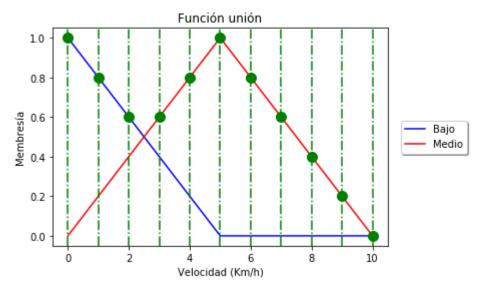
```
In [4]:
    import numpy as np
 1
 2
    import skfuzzy as sk
 3
    import matplotlib.pyplot as plt
 4
 5
    x = np.arange(0, 11, 1)
 6
 7
    bajo = sk.trimf(x,[0, 0, 5])
    medio = sk.trimf(x,[0, 5, 10])
 9
10
    plt.figure()
    plt.plot(x,bajo, 'b', linewidth = 1.5, label = 'Bajo')
11
12
    plt.plot(x,medio, 'r', linewidth = 1.5, label = 'Medio')
13
14
    plt.title('Función unión')
15
    plt.ylabel('Membresia')
    plt.xlabel('Velocidad (Km/h)')
16
17
    plt.legend(loc='center right', bbox to anchor=(1.25,0.5), ncol=1, fancybox=T
18
19
    plt.axvline(x=0, ymin=0, ymax=10, color="g", linestyle='-.')
    plt.axvline(x=1, ymin=0, ymax=10,color="g", linestyle='-.')
20
    plt.axvline(x=2, ymin=0, ymax=10, color="g", linestyle='-.')
21
    plt.axvline(x=3, ymin=0, ymax=10,color="g", linestyle='-.')
22
23
    plt.axvline(x=4, ymin=0, ymax=10, color="g", linestyle='-.')
    plt.axvline(x=5, ymin=0, ymax=10, color="g", linestyle='-.')
24
25
    plt.axvline(x=6, ymin=0, ymax=10, color="g", linestyle='-.')
    plt.axvline(x=7, ymin=0, ymax=10, color="g", linestyle='-.')
26
    plt.axvline(x=8, ymin=0,ymax=10, color="g", linestyle='-.')
27
28
    plt.axvline(x=9, ymin=0, ymax=10, color="g", linestyle='-.')
29
    plt.axvline(x=10, ymin=0, ymax=10, color="g", linestyle='-.')
30
31
    plt.plot(0,1, marker='o', markersize=10, color="g")
    plt.plot(1,0.8, marker='o', markersize=10, color="g")
32
    plt.plot(2,0.6, marker='o', markersize=10, color="g")
33
    plt.plot(3,0.6, marker='o', markersize=10, color="g")
34
35
    plt.plot(4,0.8, marker='o', markersize=10, color="g")
    plt.plot(5,1, marker='o', markersize=10, color="g")
36
37
    plt.plot(6,0.8, marker='o', markersize=10, color="g")
    plt.plot(7,0.6, marker='o', markersize=10, color="g")
38
    plt.plot(8,0.4, marker='o', markersize=10, color="g")
39
    plt.plot(9,0.2, marker='o', markersize=10, color="g")
40
41
    plt.plot(10,0, marker='o', markersize=10, color="g")
42
43
    plt.show()
    sk.fuzzy or(x, bajo, x, medio)
44
```



Out[4]: (array([0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10]), array([1., 0.8, 0.6, 0.6, 0.8, 1., 0.8, 0.6, 0.4, 0.2, 0.]))

In []: