- 1. Since i is being doubled in each iteration, that means i will reach n $O(\log_2(n))$ steps.
- 2. Answer:
 - a. The inner loop is run with time O(n), and it is called a further O(n) times. This makes a total of $O(n^2)$ for the main function. Since func() is running for a further O(y) time within the main function, that means the total time complexity is $O(n^3)$ since y goes to a max n.
 - b. Each index of W, i and j, stores the sum of the values of P from P[i] to P[j]. For example W[1][10] is the sum of values from P[1] to P[10].