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CMPT 435 - Assignment #8

1)

    a) Base case needs the size needs to be larger than 3 to accommodate the array
       General case

          If i > 1

              If A[i - 2] is 'y'; If A[i - 1]; If A[i]

                  Then result is i - 2

              Else if, call where() recursively

    b) if (i > 1)   // 1

        if (A[i - 2] == 'y')   // n

            if (A[i - 1] == 'e')   // n

               if (A[i] == 's')   // n

                   result = i - 2   // 1

        else

            result = where (A, "yes", i - 1)   // n

    c) $O(n) = 2^n$

2) function fun1(int n)

       if (n <= 0) { **Output:** 0 }   // 1

       else { **Output:** n + fun1(n - 1) }   // n^2

    $O(n) = n^2$