

จงวิเคราะห์ประสิทธิภาพของส่วนของโปรแกรมต่อไปนี้

<pre>max( d[1..n] ) {     return m(d, n) }  m( d[1..n], k ) {     if ( k == 1 ) return d[1]     return max( m(d, k-1), d[k] ) }</pre>	
<pre>binarySearch( d[1..n], x ) {     return bsearch( d, x, 1, n ) }  bsearch( d[1..n], x, left, right ) {     if ( left &gt; right ) return -1     mid = (left + right) / 2     if ( x = d[mid] ) return mid     if ( x &lt; d[mid] )         return bsearch( d, x, left, mid - 1 )     else         return bsearch( d, x, mid + 1, right ) }</pre>	
<pre>seqSearch( d[1..n], x ) {     return search( d, x, n ) }  search( d[1..n], x, k ) {     if ( k == 0 ) return -1     if ( d[k] == x ) return k     return search( d, x, k-1 ) }</pre>	
<pre>log2( n ) {     if ( n &lt;= 1 ) return 0     return 1 + log2(n/2) }</pre>	
<pre>count( d[1..n], k ) {     if ( k = n ) print( d )     else {         d[k+1] = 0; count( d, k+1 )         d[k+1] = 1; count( d, k+1 )     } }</pre>	