```
void dfs(int v)
{/* depth first search of a graph beginning at v */
   nodePointer w;
   visited[v] = TRUE;
   printf("%5d",v);
   for (w = graph[v]; w; w = w→link)
     if (!visited[w→vertex])
        dfs(w→vertex);
}
```

프로그램 6.1: 깊이 우선 탐색

```
void bfs(int v)
{/* breadth first traversal of a graph, starting at v
   the global array visited is initialized to 0, the queue
   operations are similar to those described in
   Chapter 4, front and rear are global */
   nodePointer w;
   front = rear = NULL; /* initialize queue */
   printf("%5d",v);
   visited[v] = TRUE;
   addq(v);
   while (front) {
     v = deleteq();
     for (w = graph[v]; w; w = w→link)
       if (!visited[w→vertex]) {
          printf("%5d", w→vertex);
          addq(w→vertex);
          visited[w→vertex] = TRUE;
       }
     }
}
```

프로그램 6.2: 그래프의 너비 우선 탐색