BFS Algorithm Pseudocode

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BFS (G, s) //Where G is the graph and s is the source node
    initialize all distances and predecessors
    let Q be queue.
    set distance for s to 0
    Q.enqueue( s ) //Inserting s in queue until

    mark s as visited. //set distance to 0 and predecessor to it's index
    while (Q is not empty)
        //Removing that vertex from queue,whose neighbor will be visited now
        v  =  Q.dequeue( )

        //processing all the neighbors of v
        for all neighbours w of v in Graph G
            if w is not visited
                set distance for w to distance of v + 1
                set predecessor of w to v
                mark w as visited
                Q.enqueue( w ) //Stores w in Q to further visit its neighbour
```