medera Matrix	
B-[] Bij-	o o.w.
Spare O(IVITET) return	NP-hondoners alges
QNEUS - BFS	
	GRAT WHILL AND MARKET MARK
Vlah	

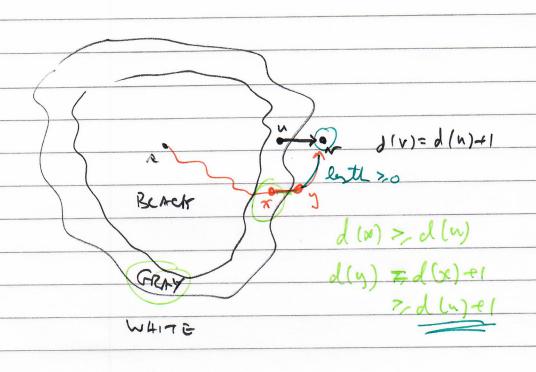
```
function BFS(G, s)

\bigcirc(\text{(VI)}) \qquad \begin{array}{c}
\text{1: for all } u \in V[G] - \{s\} \text{ do} \\
\text{2: } color[u] \leftarrow \text{WHITE} \\
\text{3: } d[u] \leftarrow \infty \\
\text{4: } \pi[u] \leftarrow \text{NIL}
\end{array}

                             5: end for

\begin{array}{c}
6: \ color[s] \leftarrow \text{GRAY} \\
7: \ d[s] \leftarrow 0 \\
8: \ \pi[s] \leftarrow \text{NIL} \\
9: \ Q \leftarrow \{s\}
\end{array}

                            10: while Q \neq \emptyset do
                                      u \leftarrow \text{DEQUEUE}(Q)
                                      for all v \in Adj[u] do
                            12:
                                         if color[v] = WHITE then
                             13:
                                            color[v] \leftarrow \text{GRAY}
                             14:
                                            d[v] \leftarrow d[u] + 1
                                                                                          O((v))
                            15:
 0(151)
                                            \pi[v] \leftarrow u
                             16:
                                            ENQUEUE (Q, v)
                             17:
                                         end if
                             18:
                                      end for
                             19:
                                      color[u] \leftarrow \text{BLACK}
                             20:
                             21: end while
                                              Ki Kr Ks
```



addd --- der der --- der