ALG - 13/12/23 - BFS Vr ∈ V ω((r) = \w. G, B { π(σ) = PREV. d(σ)= [(s, σ)] s e V d(s) = 0 ENQ (S) MHITE Ø * Q 90) (J) = 45TA AD) VE HEAD Q (POP) Q wan FIFO = 0 FOR EACH NV & ADj (V) IF COL(W) = W 62 (M) = G

t = 0 (|V| + |E|)

BFTREE

BFS (G, s) -> (Vm, Em) Vm C V Em E

Vx =] r = V | w = (r) = B (=) r = V | d (r) + 0 (=) r = V | x (r) x mil }

EH = 1 (T(5) +) | v & V -) s {

COL (5) = B

ENQ(W)

d(w) = d(v) + 1T (W) = 5