

ENQUEUE (Q,4), ET ENQ (Q,8), DEQ ( ENQUEUE(Q,4), ENO (Q,1), ENQ (Q,1), DEQ(Q), ENQ (Q, 8), DEQ (Q) with urray Q(1,...,6) ENQ(a,4) ENQ(Q,1) ENQ(Q,3) DEQ. (Q) 1 6 ENQ(Q,8) DEQ (R) the final stack obtained after performing the given operations.

(10.1-3 HEAD ENQUE (QIX) if QUEUE\_full(2)
enter "overflow" if Q. head == 1 Q. heud = Q. length ese . a. heud = a. heud -1 QCQ. heud]=X CLALANT TAIL - ENQUE (Q,X) if QUEUE FULL (Q) A error "overflow" else Q[Q.tail] =x if Q. tail = = Q. length else Q. tail = Q. tail +1 HEAD DEQUEUE (Q) if QUEUE EMPTY (Q) error "underflow" mile else lung all X=Q(a.heud) if a. head = - a. length

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else a.head = Q.head + 1. return X TAJL-DEQUEUE (Q) if QUEUE-EMPTY x (Q) error "underflow" else if Q. tail == 1 × 1) H209 Q. tail = Q. tail - 1 x= Q(a.tail) return X Pape remainer first elevabort from all 100 PCP (10 PC) 12 PC) if storte entrota (119,1) 61202 January 2021 8 unite of the is not on siblan structure 8 met hands 2 = x 0 there have a la hacid mexic 9 LXX modelsanto atuale 0000000

(0.2-2) stuck empty (L)

if L. heud = NJL return true return false PUSH: adds an element in the begining of the list. PUSH (L,X) x. next = L. head L. head = X POP: removes first element from the list. POP(L)

if stack. empty(L)

estack. " amples flow" erroz" underflow" else x= L. head L. heud = 1. heud. next zetyzn X

(0.4.3) Print Binary Tree (T.S) PUSH (S, T. root) while 1 stack-empty (5) x= s(s.top) while x! = "NJL PUSH (s,x.left) x = 5(s.top)POP(s) if! stack\_empty (s) x= POP(s) print x key PUSH (S, x. zight) Rel Psycho code: inorder-traversal (2001): stack : empty stack node = root while node is not mall or stack is not empty; if made is not null: PUSH mode onto stuck mode - node left else: mode = POP from stuck print nock key node = mode . zight

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