

Exame 17/06/2020

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Algo-28(A, p, zK)

CP = P; CRET = 0; CK = K; CR = R
SP = SRET = SQ = NULL; RET = 0; LP = NULL;

WHILE CP ≤ CR || SP ≠ NULL DO

IF CP ≤ CR THEN

CRET = 0

CQ = $\frac{CP + CR}{2}$

IF (CK == ACCQJ) THEN

CRET = ACCQJ

SRET = push(SRET, CRET)

SQ = push(SQ, CQ)

SP = push(SP, CP)

CP = CQ + 1

ELSE

CP = TOP(SP)

CQ = TOP(SQ)

IF LP ≠ CP THEN

IF (CK == ACCQJ) THEN

CRET = TOP(SRET)

SRET = POP(SRET)

CRET = CRET + RET

ELSE

CRET = RET + 0

IF CRET > 0 THEN

CR = CQ - 1

SRET = push(SRET, CRET)

ELSE

LP = CP

CP = CR + 1

SP = POP(SP); SQ = POP(SQ); RET = CRET

ELSE

LP = CP; SP = POP(SP); SQ = POP(SQ); ~~CRET~~

CRET = TOP(SRET); SRET = POP(SRET)

CP = CR + 1

RET = CRET + RET

RETURN ~~SRET~~ DOWHILE