

21. Consider the array X with 10 elements shown below:

X(1) = 15.
X(2) = 4.
X(3) = 8.
X(4) = 14.
X(5) = 1.
X(6) = 13.
X(7) = 21.
X(8) = 9.
X(9) = 5.
X(10) = 3.

Provide the value of the indicated variables after each of the following program segments has been executed.

(2 pts) a) I = 3
T = (7-I) T = _____

(3 pts) b) T=0
DO 20 I=1,10,3
20 T=T+X(I) T= _____
I= _____

(3 pts) c) K=1
DO 30 I=2,10
IF(X(K).GT.X(I))K=I
30 CONTINUE K= _____