Date:

Q:6

Part(a)

Initial value ⇒ i = 3 , j = 5 , K = 7

execute i < j → True

execute Instruction(2) = j < K → True

execute (3) = i = j;

after execute i = 5 , j = K , K = 7

output 5 5 7

Part (b)

Initial value i = 3, j = 7 , K = 5

execute i < j → True

execute Instruction (2) = j < K → false

execute else instruction = j = K;

after execution i = 3, j = 5, j = 5

output 3 5 5

Part (c)

Initial value ⇒ i = 5 , j = 3 , K = 7

execute i < j → false

execute else instruction j > K → false

execute inner else i = K;

after execution i = 7 , j = 3, K = 7

Output 7 3 7

Date:

Part (d)

Initial value i = 5 , j = 7 , K = 3

execute i < j → True

execute inner if j < k → false

execute else 0 = K ;

~~Output~~ after ~~[illegible]~~ execute i = 5, j = 3, K = 3

Output 5 3 3

Part (e)

Initial value i = 7 , j = 3 , K = 5

execute i < j → false

execute outer else j > K → false

execute inner else i = K ;

after execute i = 5 , j = 3 , K = 5

Output 5 3 5

Part (f)

Initial value i = 7 , j = 5 , K = 3

execute i < j → false

execute outer else j > K → True

~~execute inner if~~ ~~after~~ execute j = i ;

after execute i = 7 , j = 7 , K = 3

Output 7 7 3