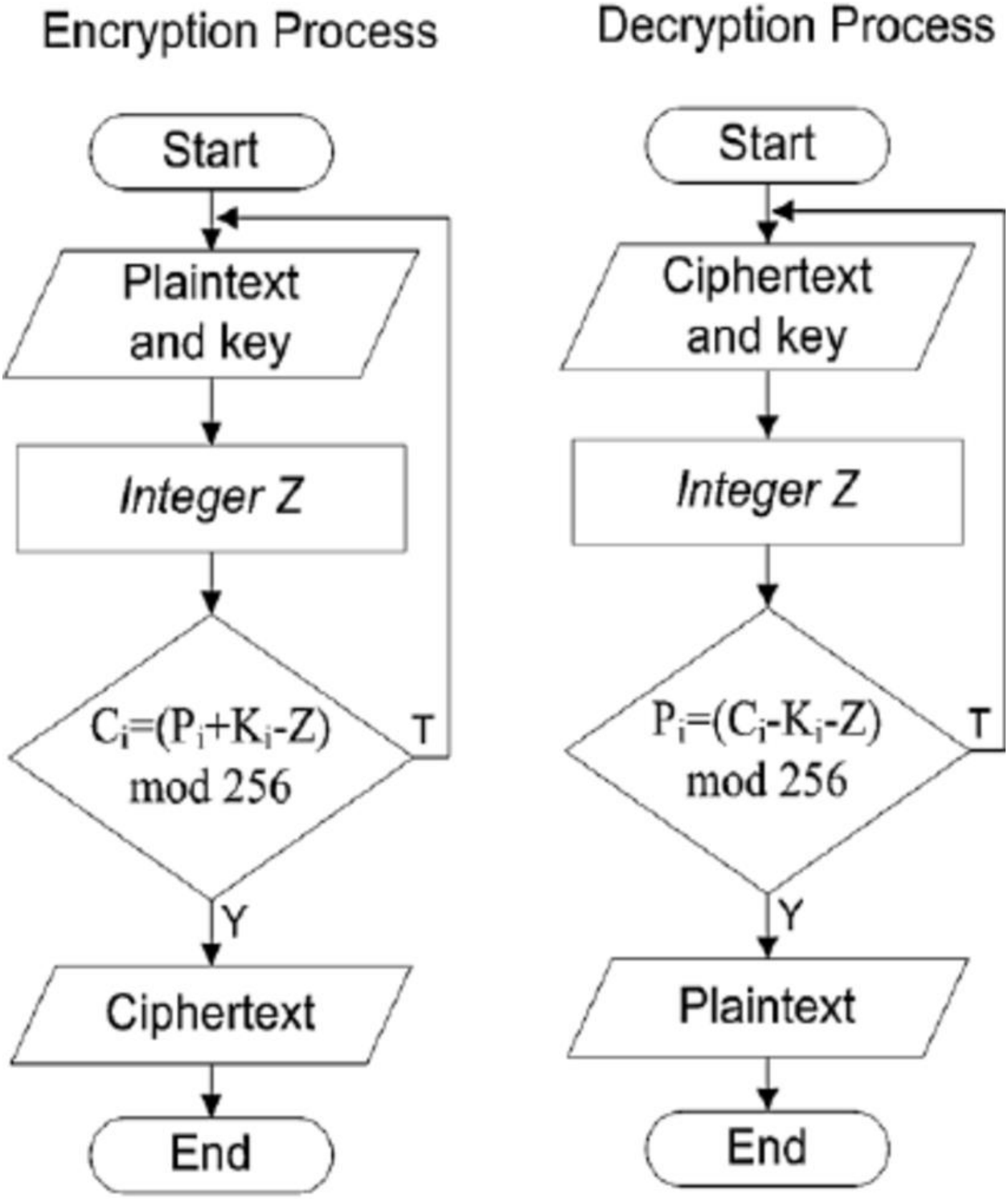
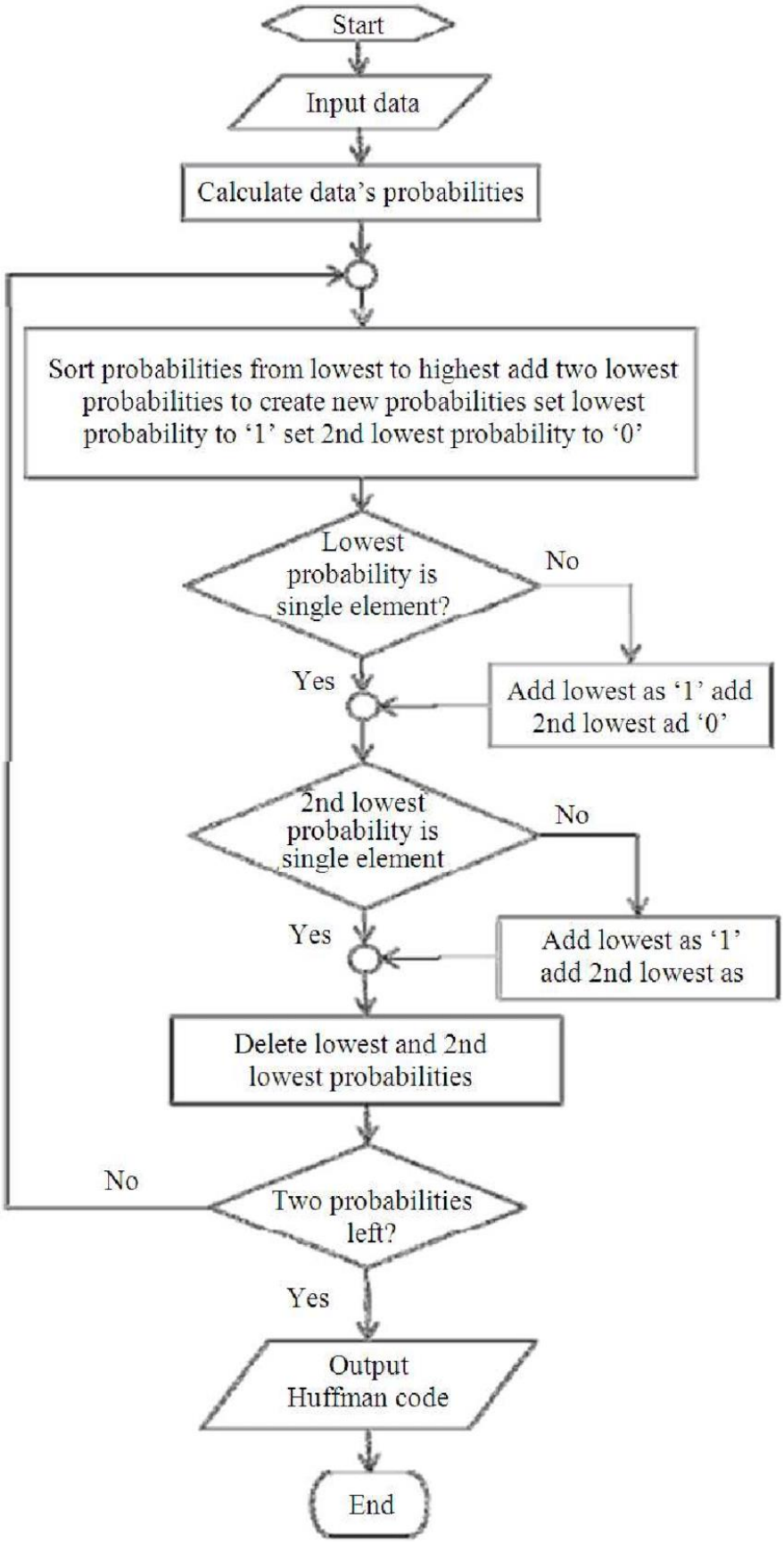
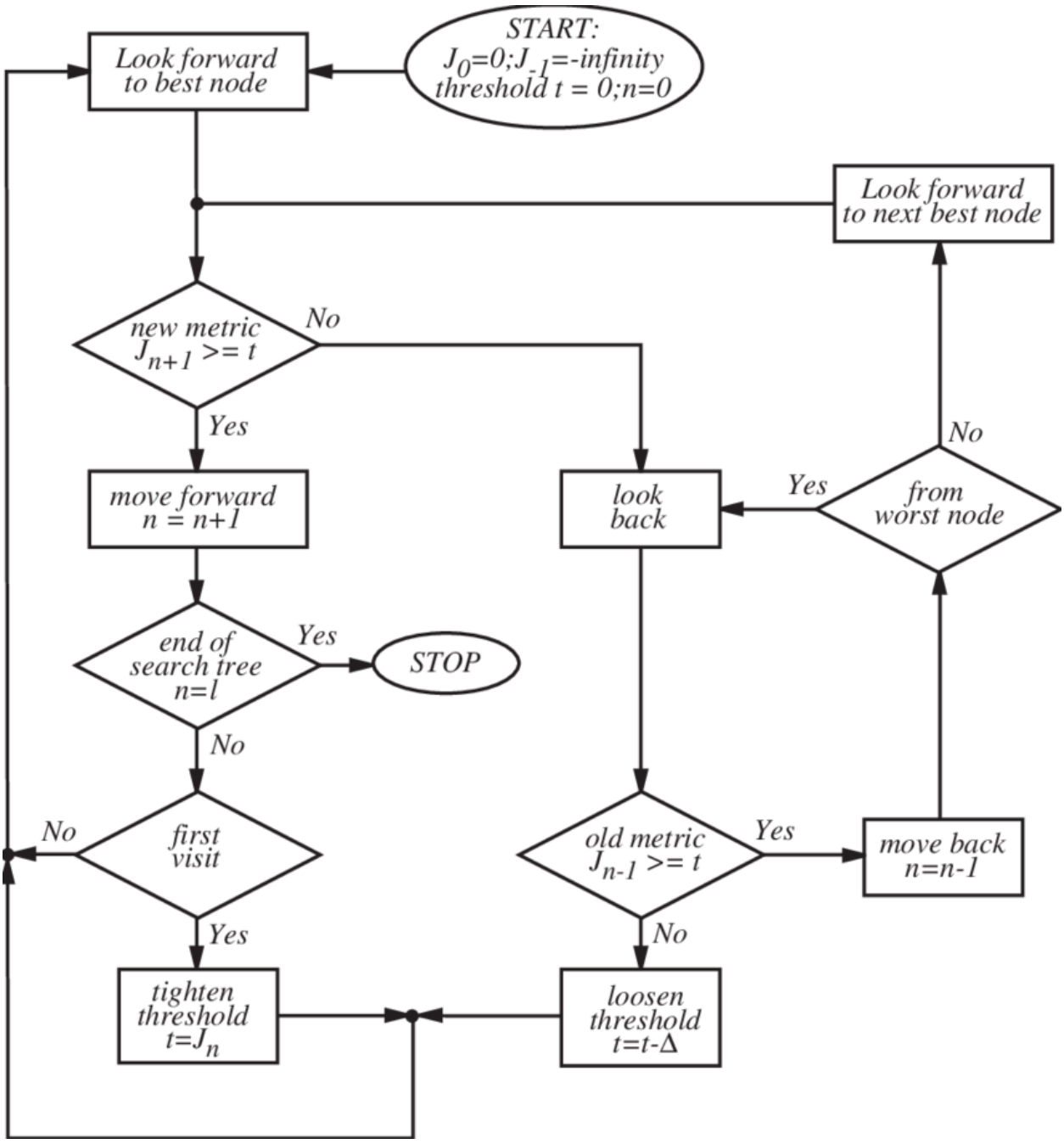

Encryption Process
Start
Plaintext and key
Integer Z
$C_i=(P_i+K_i-Z) \bmod 256$
T
Y
Ciphertext
End
Decryption Process
Start
Ciphertext and key
Integer Z
$P_i=(C_i-K_i-Z) \bmod 256$
T
Y
Plaintext
End


Start
Input data
Calculate data's probabilities
Sort probabilities from lowest to highest add two lowest probabilities to create new probabilities set lowest probability to '1' set 2nd lowest probability to '0'
Lowest probability is single element?
No
Yes
Add lowest as '1' add 2nd lowest ad '0'
2nd lowest probability is single element
No
Yes
Add lowest as '1' add 2nd lowest as
Delete lowest and 2nd lowest probabilities
No
Two probabilities left?
Yes
Output Huffman code
End


START:
$J_0$=0;$J_{-1}$=-infinity
threshold t = 0;n=0
Look forward to best node
Look forward to next best node
new metric $J_{n+1}$ >= t
No
Yes
move forward n = n+1
look back
Yes
from worst node
No
end of search tree n=l
Yes
STOP
No
No
first visit
old metric $J_{n-1}$ >= t
Yes
move back n=n-1
Yes
No
tighten threshold t=$J_n$
loosen threshold t=t-Δ