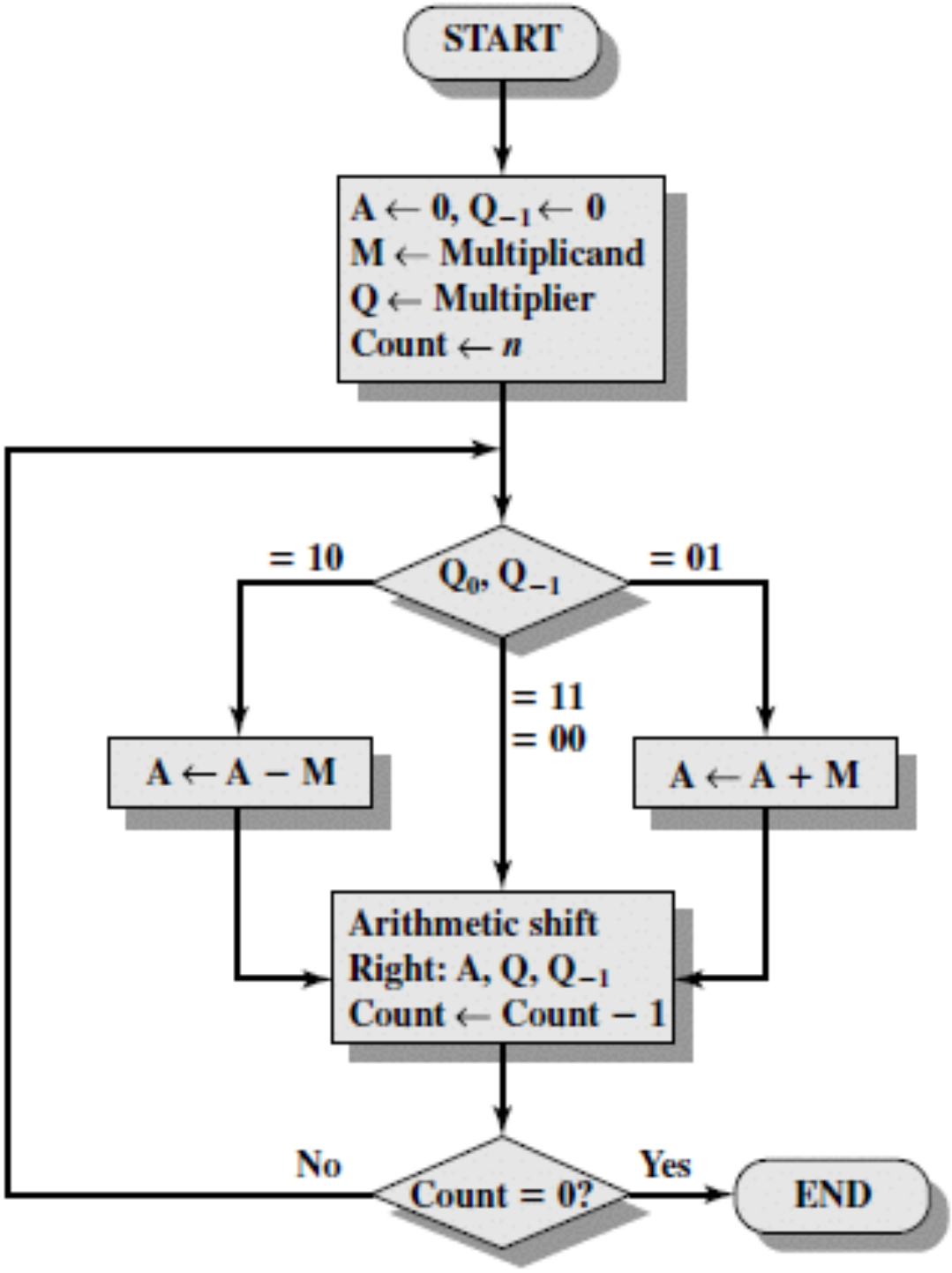
Booth's Algorithm For Multiplication



TYPE TO ENTER A CAPTION.

Booth algorithm gives a procedure for **multiplying binary integers** in signed 2's complement representation **in efficient way**, i.e., less number of additions/subtractions required. It operates on the fact that strings of 0's in the multiplier require no addition but just shifting and a string of 1's in the multiplier from bit weight 2^k to weight 2^m can be treated as 2^(k+1) to 2^m.