

Assignment#2

Instructions:

- Program must be runnable in EMU8086.

Problem Statement

Write a program that multiplies two 32-bit numbers using the shift-and-add method given below. The program will store 32-bit multiplicand and multiplier, as well as the 64-bit product in byte arrays.

Shift-and-Add Method

$B \leftarrow$ Multiplicand, $Q \leftarrow$ Multiplier, $A \leftarrow 0$ (product), $N \leftarrow 32$

