I completed this assignment entirely on my own.

1. MAR ← PC
   PC ← PC + 1
   IR ← MBR

2. MAR ← IR
   ACC ← MBR

3. ACC ← IR

4. IDX ← IR

5. IDX ← ACC

6. MAR ← IDX
   ACC ← MBR

7. MAR ← IDX + IR
   ACC ← MBR

8. MAR ← IDX + ACC
   ACC ← MBR

9. MAR ← IR
   MAR ← MBR
   ACC ← MBR

10. MAR ← IR
    MAR ← MBR + IDX
    ACC ← MBR