

0000 01 00000001

0001 00 00000010

0010 00 00010011

0011 01 00000001

Program 1

00110010 in location 1

000000 00000100

000100 00000100

000100 00000100

001101 00000001

Program 2

0000 01 00000010

0001 00 01111111

0001 00 01000101

0011 01 00000010

Program 3

01000000 in location 2

PROGRAM COUNTER

CURRENT INSTRUCTION

ACCUMULATOR

MAR

MDR

CPU

- Central Processing Unit

RAM

- Random Access Memory



DATA BUS



DATA BUS



DATA BUS



DATA BUS



DATA BUS



DATA BUS



DATA BUS



DATA BUS



DATA BUS



DATA BUS



DATA BUS



DATA BUS



ADDRESS BUS



ADDRESS BUS



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