Name: Niranjay Ajayan

Date:

5a. Addition of Two 16-Bit Numbers

PROGRAM

MOV SI, 3000 2000

MOV DI, 4000 2003

MOV AX, [SI] 2006

2008 INC SI

2009 INC SI

200A MOV BX, [SI]

200C ADD AX, BX

200E JNC 2015

MOV [DI], 0001 2010

2013 JMP 2018

MOV [DI], 0000 2015

2018 INC DI

MOV [DI], AX 2019

201B HLT

OUTPUT

SOURCE

3000 32

3001 12

3002 32

3003 12

DESTINATION

4000 00

4001 64

4002 24