MD. Musfikur Rahman Roudno ID - 1911849642 Course - CSE 331 L

Q1 We know,

SAR stands for Shift Anith motic Register and SHR stands for Shift Right.

The value of BL is OEFR.

Initial state.

0000 0000 1110 1111 X

After SAR operation

CF

0000 0000 0111 0111

0000 0000 0011 0011 1

1011 1000 0000 0000

The value will be - 010 h

Aften SHR operation CF

The value will be - OEh

02 1 123 his 20 11 model small Isial smi · Stack louch 2011. Dr. rom · data input 1 db can? ALS Di input 2 db ook ? 93 Firstly, shene well be mismostoked of bitaboses a 16 bit out of all input 1) & mo as he took to trate of to push on which is little of it declar to day of sub al, bl mor chiolophiani un ruman lun int, son of mov cl,04h mor bh. al label: real 6h, cl c.) XOR by by mor dl. bh b) and ex, GOTE & and II, of h shi. (0 emp dl, 09 Jbe forward C wildle toldianer forward: add Ll,030h

mor ah. 02

int 21h

dec ch

jnz label

mor ah, 4ch

int 21h

Home bloom.

Low I ledol

21. 4

It ile van

340 lb

at 1 togri,

Push operation decrements SP negister by 2 and saves a 16 bit output. But at is an 8 Lit value. So we need to push ax which is 16 bit. However, after changing it to 'axi', this will remain an infinity loop.

041

a) XOR ba, ba

b) and ex, 695Eh

c). data

variable 2 db/dw?; user input variable variable 2 db/dw 6; constant variable