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Assignment 5 sol

What is the memory size for the following address bus sizes

- 32 bits 4GB
- 29 bits 0.5 GB
- 25 bits 32 MB
- 18 bits 256KB

How many address bits needed for these memory sizes

- 32 MB 25
- 16 MB 24
- 2 GB 31
- 256 KB 18

Assume that SP=FE2EH, AX=3291H, BX=F43CH, and CX=09. Find the contents of the stack and stack pointer after the execution of each of the following instructions

PUSH AX PUSH BX PUSH CX

SS:FE28			1	09
SS:FE29				00
SS:FE2A		+	3C	3C
SS:FE2B			F4	F4
SS:FE2C	→	91	91	91
SS:FE2D		32	32	32
SS:FE2E		`		<u> </u>