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CORRECT ANSWER SOLVED BY HADI
EMAIL: hadirajputofficial@gmail.com
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(Final Term Past Paper)

MADE AND SOLVED BY TEAM HADI

WARNING: Team HADI is not responsible for any mistake or wrong answer. All students reading and using this document may check and confirm the answers at their own.



WhatsApp: 03087122922



FACEBOOK ID: <https://www.facebook.com/hadipastpapers/>

Best of luck!



Question No : 1 of 52

Marks: 1 (Budgeted Time 1 Min)

The instruction `mov ax, 0`

Answer (Please select your correct option)

- will set the ZF
- will not set the ZF
- is a mathematical instruction
- is a logical instruction



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Question No : 2 of 52

Marks: 1 (Budgeted Time 1 Min)

In STOSB instruction, when DF is set, SI is

Answer (Please select the correct option)

Incremented by 1

Incremented by 2

Decrement by 1

Decrement by 2



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Question No : 3 of 52

Marks: 1 (Budgeted Time 1 Min)

The data on which we want to perform some operations is called

Answer (Please select your correct option)

Opcode

Operand

Operator

Operation



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Question No : 4 of 52

Marks: 1 (Budgeted Time 1 Min)

After the execution of instruction "RET 2"

Answer (Please select your correct option)

SP is incremented by 2

SP is decremented by 2

not sure

SP is incremented by 4

SP is decremented by 4



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0
3
0
8
7
1
2
2
9
2
2

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Question No : 5 of 52

Marks: 1 (Budgeted Time 1 Min)

RETF will pop the segment address in the

Answer (Please select your correct option)

CS register

DS register

SS register

ES register



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Question No : 6 of 52

Marks: 1 (Budgeted Time 1 Min)

Suppose DH contains 10001010 and CL contains 3, what is the value of DH after the following instruction:
SHL DH, CL

Answer (Please select your correct option)

- 01010000
- 10001010
- 00010100
- 01010111



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Question No : 8 of 52

Marks: 1 (Budgeted Time 1 Min)

The OUT instruction uses _____ as source register.

Answer (Please select your correct option)

AL or AX

BL or BX

CL or CX

DL or DX



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Question No : 9 of 52

Marks: 1 (Budgeted Time 1 Min)

When two devices in the system want to use the same IRQ line then what will happen?

Answer (Please select your correct option)

- An IRQ Collision
- An IRQ Conflict
- An IRQ Crash
- An IRQ Blockage



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Question No : 10 of 52

Marks: 1 (Budgeted Time 1 Min)

Which bit of the Attribute Byte (counting from right to left, starting from 0) represents the RED component of background color ?



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0
3
0
8
7
1
2
2
9
2
2

Answer (Please select your correct option)

3

4

5

6

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Question No : 11 of 52

Marks: 1 (Budgeted Time 1 Min)

Sign flag is set to _____ for positive numbers

Answer (Please select your correct option)

0

+1

0 or 1

1



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VU
PAST
PAPER

0
3
0
8
7
1
2
2
9
2
2

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Question No : 12 of 52

Marks: 1 (Budgeted Time 1 Min)

Computer Architecture and Assembly Language Programming is a course that is designed to study _____



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Answer (Please select your correct option)

Hardware only

Software only

Computer system more closely

Computer Graphics

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Question No : 13 of 52

Marks: 1 (Budgeted Time 1 Min)

IBM PC has separate memory address space and peripheral address space. Peripheral address space is selected when _____ instructions is given to the processor.

Answer (Please select your correct option)

- IN
- ADD
- MOV
- DEC



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Question No : 14 of 52

Marks: 1 (Budgeted Time 1 Min)

The parallel port connector is called _____.



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Answer (Please select your correct option)

DB-25

BD-25

DB-24

BD-24

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Question No : 15 of 52

Marks: 1 (Budgeted Time 1 Min)

The Single step interrupt is _____



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Answer (Please select your correct option)

Hardware interrupt

Like divide by zero interrupt

Like divide by 1 interrupt

Like divide by 2 interrupt

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Question No : 16 of 52

Marks: 1 (Budgeted Time 1 Min)

_____ are not used in mathematical operations.

Answer (Please select your correct option)

- Carry, Interrupt and Trap flag
- Direction, Interrupt and Trap flag
- Direction, Overflow and Trap flag
- Direction, Interrupt and Sign flag



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Question No : 17 of 52

Marks: 1 (Budgeted Time 1 Min)

In graphics mode a location in video memory corresponds to a _____ on the screen.



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Answer (Please select your correct option)

- line
- dot
- circle
- rectangle

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Question No : 18 of 52

Marks: 1 (Budgeted Time 1 Min)

In DOS input buffer, the number of characters actually read on return is stored in _____ byte.



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Answer (Please select your correct option)

third

fourth

first

second

Correct answer solved by Hadi

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Question No : 19 of 52

Marks: 1 (Budgeted Time 1 Min)

The value of AH register in the write Graphics pixel service is _____.

Answer (Please select your correct option)

0Ch

0Bh

1Ch

2Ch



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Question No : 20 of 52

Marks: 1 (Budgeted Time 1 Min)

INT 21 service 01H is used to read character from standard input with echo. It returns the result in _____ register.

Answer (Please select your correct option)

a)

b)

c)

d)



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Question No : 21 of 52

Marks: 1 (Budgeted Time 1 Min)

VESA (an organization) organizes 16 color bits for every pixel in _____ format.



HADI
3
0
8
VU
7
1
2
2
9
2
2
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Answer (Please select your correct option)

5:5:5

5:6:5

5:5:6

5:6:6

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Question No : 22 of 52

Marks: 1 (Budgeted Time 1 Min)

VESA stands for _____

Answer (Please select your correct option)

- Variable Electronics Standards Association
- Video Electronics Standards Association
- Video Energy Standards Association
- Vega Energy Standards Association



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Question No : 23 of 52

Marks: 1 (Budgeted Time 1 Min)

IDTR is a _____ register.

Answer (Please select your correct option)

16 bit

20 bit

32 bit

48 bit



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Question No : 24 of 52

Marks: 1 (Budgeted Time 1 Min)

In Motorola 68K processors, _____ registers can hold addresses in indirect memory accesses.

Answer (Please select your correct option)

A0-A7

B0-B7

C0-C7

D0-D7



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Question No : 25 of 52

Marks: 1 (Budgeted Time 1 Min)

Motorola 68K processors have _____ 32 bit general purpose registers.



HADI
3
0
8
VU
7
1
2
2
9
2
2
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Answer (Please select your correct option)

32

64

8

16

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Question No : 26 of 52

Marks: 1 (Budgeted Time 1 Min)

In Computer Architecture, RISC stands for _____

Answer (Please select your correct option)

- Reversed Instruction Set Computer
- Reversed Instruction System Computer
- Reduced Instruction Set Computer
- Reduced Instruction System Computer



HADI
VU
PAST
PAPER

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Question No : 27 of 52

Marks: 1 (Budgeted Time 1 Min)

In Computer Architecture, CISC stands for _____

Answer (Please select your correct option)

- Complex Instruction Set Computer
- Complex Instruction System Computer
- Correct Instruction Set Computer
- Correct Instruction System Computer



HADI
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7122922
VU
PAST
PAPER

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Question No : 28 of 52

Marks: 1 (Budgeted Time 1 Min)

Video services are exported via

Answer (Please select your correct option)

INT 7

INT 10

INT 9

INT 8



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Question No : 29 of 52

Marks: 1 (Budgeted Time 1 Min)

BIOS sees the disks as



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Answer (Please select your correct option)

- logical storage device
- raw storage device
- in the form of sectors only
- in the form of tracks only

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Question No : 30 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following gives more logical view of the storage medium ?



HADI
0
3
0
8
VU
7
1
2
2
9
2
2
PAST
PAPER

Answer (Please select your correct option)

DOS

RAM

ROM

BIOS

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Question No : 31 of 52

Marks: 1 (Budgeted Time 1 Min)

In 9 pin DB-9, which pin number is assigned to DSR (Data Set Ready) ?



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Answer (Please select your correct option)

4

5

6

7

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Question No : 32 of 52

Marks: 1 (Budgeted Time 1 Min)

In 9 pin DB-9, which pin number is assigned to RTS (Request To Send) ?

Answer (Please select your correct option)

5

6

7

8



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Question No : 33 of 52

Marks: 1 (Budgeted Time 1 Min)

In 9 pin DB-9, which pin number is assigned to CTS (Clear To Send) ?

Answer (Please select your correct option)

6

7

8

9



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Question No : 34 of 52

Marks: 1 (Budgeted Time 1 Min)

In 9 pin DB-9, which pin number is assigned to RD (Received Data) ?

Answer (Please select your correct option)

1

2

3

4



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0
3
0
8
7
1
2
2
9
2
2

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Question No : 35 of 52

Marks: 1 (Budgeted Time 1 Min)

In 9 pin DB-9, which pin number is assigned to TD (Transmitted Data) ?



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Answer (Please select your correct option)

1

2

3

4

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Question No : 36 of 52

Marks: 1 (Budgeted Time 1 Min)

In 9 pin DB-9, RI (Ring Indicator) is assigned on pin number _____.

Answer (Please select your correct option)

6

7

8

9

Correct answer solved



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Question No : 37 of 52

Marks: 1 (Budgeted Time 1 Min)

The table index (TI) is set to _____ to access the GDT (Global Descriptor Table).



HADI
3
0
8
VU
7
1
2
2
9
2
2
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Answer (Please select your correct option)

1

0

-1

-2

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Question No : 38 of 52

Marks: 1 (Budgeted Time 1 Min)

Which of the following interrupt is used in debugging with the help of trap flag?

Answer (Please select your correct option)

INT 0

INT 1

INT 2

INT 3



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VU
PAST
PAPER

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Question No : 39 of 52

Marks: 1 (Budgeted Time 1 Min)

In Programmable Interrupt Controller, which one of the following ports is referred as interrupt mask register?



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Answer (Please select your correct option)

19

20

21

22

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Question No : 40 of 52

Marks: 1 (Budgeted Time 1 Min)

Which one of the following interrupts is used for arithmetic overflow?



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Answer (Please select your correct option)

INT 4

INT 1

INT 2

INT 3

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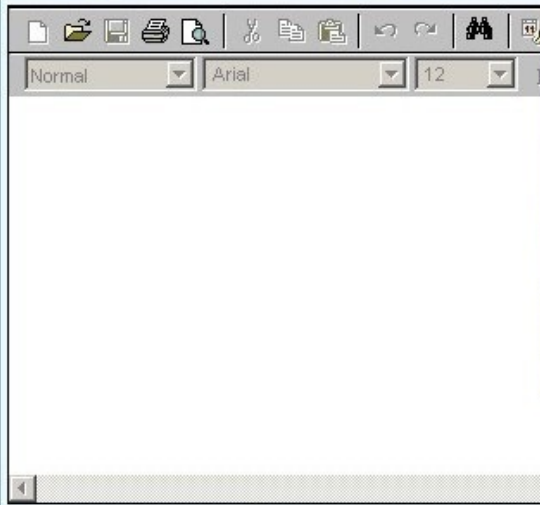
Question No : 41 of 52

Marks: 2 (Budgeted Time 4 Min)

Define following abbreviation:

- Dw

Answer ([Please click here to Add Answer](#))



Normal Arial 12



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PAPER

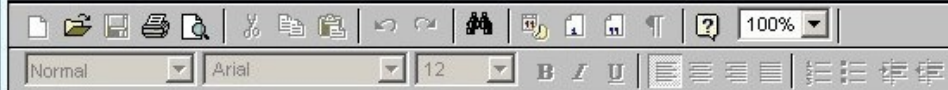
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Question No : 42 of 52

Marks: 2 (Budgeted Time 4 Min)

What is the purpose of Triple fault ?

Answer ([Please click here to Add Answer](#))



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Question No : 43 of 52

Marks: 2 (Budgeted Time 4 Min)

Write an assembly instruction that will allocate space for 32 PCBs?

Answer ([Please click here to Add Answer](#))



HADI
VU
PAST
PAPER

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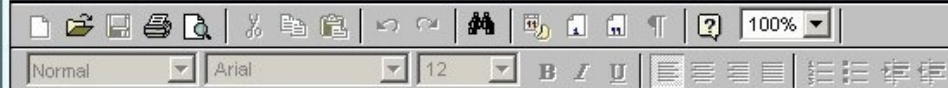
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Question No : 44 of 52

Marks: 2 (Budgeted Time 4 Min)

In order to switch "Protected Mode", which bit of CR0 (Control Register 0) is needed to be turn on?

Answer ([Please click here to Add Answer](#))



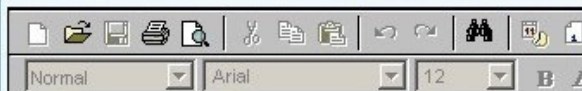
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Identify the technique in which user feels that programs are running at the same time and elaborate that how this technique works ?

Answer (Please [click here](#) to Add Answer)



Normal Arial 12 B I



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PAST
PAPER

HA
V
PAST
PAPER

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Question No : 46 of 52

Marks: 3 (Budgeted Time 6 Min)

How arithmetic operations instructions are written by Sun SPARC and by Motorola 68K Processor? State your answer with at least two examples from each processor.

Answer ([Please click here to Add Answer](#))



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Question No : 47 of 52

Marks: 3 (Budgeted Time 6 Min)

What are the results after performing the following instructions, where $ax = 00110011$ and $bx = 00010001$

1. and ax,bx
2. or ax,bx
3. xor ax,bx

Answer ([Please click here to Add Answer](#))



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Question No : 48 of 52

Marks: 3 (Budgeted Time 6 Min)

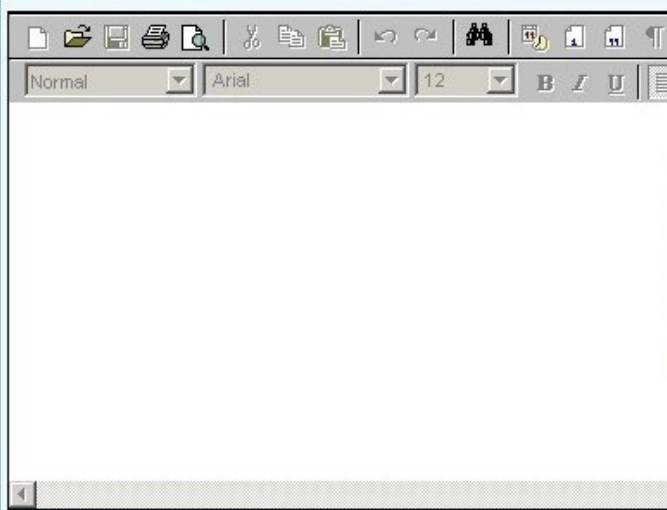
What are the values required for following registers to write a character on serial port using INT 21?

AH =

AL =

DX =

Answer ([Please click here to Add Answer](#))



The image shows a screenshot of a rich text editor. The toolbar at the top includes icons for file operations (save, print, copy, paste), text formatting (bold, italic, underline), and alignment. The text area below the toolbar is currently blank.



HADI
VU
PAST
PAPER

0
3
0
8
7
1
2
2
9
2
2



H
VU
PAST
PAPER

7
1
2
2
9
2
2

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Question No : 49 of 52

Marks: 5 (Budgeted Time 10 Min)

Which instruction makes trap flag zero? If there is no such instruction then how this task is performed?

Answer ([Please click here to Add Answer](#))



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Which processor's instruction set allows the following instructions and describe what task will be performed by each of these instructions?

CLR (A3)
EXG D0, D2
MOVE.B (A1), (A2)
MOVEA (2222).L, A4

Answer ([Please click here to Add Answer](#))



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VU
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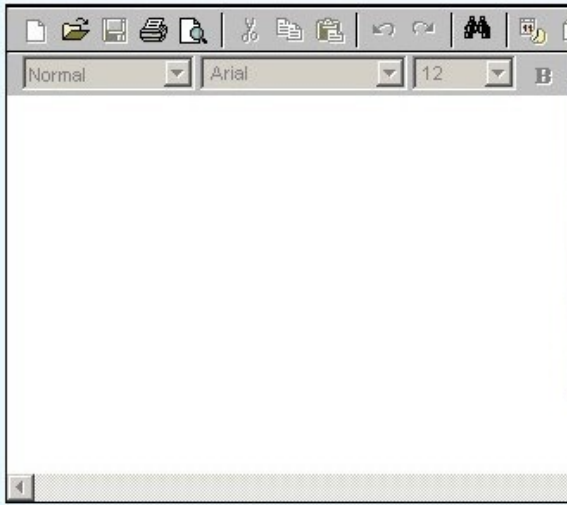
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How these instructions are legal or illegal. If illegal tell the reason and how can we make this legal, if legal then what these instructions do.

- . mov ax, bx
- a. mov 10,ax
- b. mov bx, [num2]
- c. mov [num1],[num2]

Answer ([Please click here to Add Answer](#))



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Question No : 51 of 52

Marks: 5 (Budgeted Time 10 Min)

- a. mov ax, bx
- b. mov 10,ax
- c. mov bx, [num2]
- d. mov [num1],[num2]
- e. add [num2],[num1]

Answer ([Please click here to Add Answer](#))



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Question No : 52 of 52

Marks: 5 (Budgeted Time 10 Min)

Write an assembly program attributes for loading program using INT 21 Service.



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0
3
0
8
7
1
2
2
9
2
2
2
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Answer ([Please click here to Add Answer](#))



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