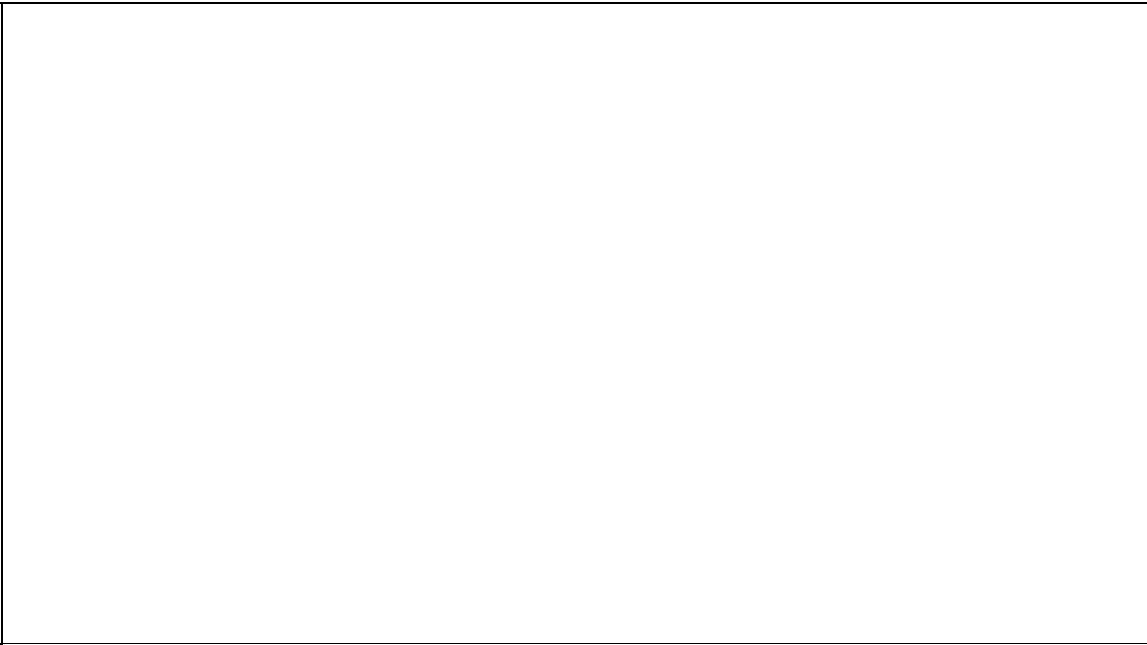


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1. CHECK YOUR UNDERSTANDING (1 point possible)

Which of the following clocks has the highest frequency?

- ☐ Clock 1, whose clock period is 2ns. ✓
- ☐ Clock 2, whose clock period is 20ns.
- ☐ Clock 3, whose clock frequency is 10MHz.
- ☒ Clock 4, whose clock frequency is 100MHz. ✗

EXPLANATION

1 of 2 Clock 1 has a frequency of $1/2\text{E-}9 = 500\text{MHz}$. Clock 2 has a frequency of $1/20\text{E-}9 = 50\text{MHz}$. Therefore, Clock 1 has the highest

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