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| **1. Prefix/Infix/Postfix Notation**  Write the following infix expression in prefix:  \* h \* (B + b) | **1.** |
| **2. Prefix/Infix/Postfix Notation**  Evaluate the following postfix expression:  Note: numbers are single digits.  5 2 − 5 2 ↑ 5 2 \* + 2 2 ↑ + \* | **2.** |
| **3. Bit-String Flicking**  Evaluate the following expression:  01100 OR NOT (11000 AND 10101) | **3.** |
| **4. Bit-String Flicking**  Evaluate the following expression:  (LCIRC–2 (RSHIFT–1 (RCIRC–2 (LSHIFT–2 10101)))) | **4.** |
| **5. What Does This Program Do - Looping**  t = 0: f = 0: b = 0: d = 0 b = b + 1  for i = 1 to 100 end if  if i/3 = int(i/3) next k  t = t + 1 for m = 99 to 1 step -2  end if if m/15 = int(m/15)  next i d = d + 1  for j = 100 to 1 step -1 end if  if j/5 = int(j/5) next m  f = f + 1 w = ?  end if print w  next j  for k = 2 to 100 step 2  if k/15 = int(k/15)    Which of the following formulae could replace the ? to find  how many numbers from 1 to 100 are divisible by 3 or 5?  A. b + d - t + f B. t - (b - d) + f C. f + t - (b - d)  D. t + f - b - d E. None of the above | **5.** |
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