



Is “palindromic” referencing a worsening solving condition?

*COPST - Contribution of Personal Solving Techniques

***Contribution Of Personal Solving Technique – Vowel Sorting**

MAB

Q is usually followed by a U. QU is ALWAYS followed by a vowel. Look for high frequency letters before low frequency double letters and look for “e or o” as double letters in the middle of 4, 5 and 6 letter words. HIGH frequency letters not ending words tend to be vowels. Letters next to low frequency letters such as IKE and AVE are likely vowel candidates

***Contribution Of Personal Solving Technique – ND 2014 C-11 Sudoku (DABASAP)**

APEX DX

Contact LIONEL for a copy of APEX DX's solving process on the ND 2014 C-11 Sudoku.

Recreational Mathematics – Palindrome Reversals. Enjoy!

APEX DX

A palindrome is a number, word, sentence or expression that reads the same left-to-right as right-to-left. Let's focus on number palindromes. Choose a number of two or more digits which is not a palindrome. The reversal of such a number is the number obtained when the digits are written in reverse order. Thus the reversal of 326 is 623. Write the number that you have chosen. Write its reversal. Add these two numbers. $623 + 326 = 949$, a palindrome in one step. The number $58 + 85 = 143$, then $142 + 341 = 484$, a palindrome in two steps. $157 + 751 = 908$; $908 + 809 = 1717$; $1717 + 7171 = 8888$, a palindrome in three steps. Check whether 990 reaches a palindrome in five steps, whether 79 gives a palindrome in six steps, whether 395 gives a palindrome in seven steps. Will every number yield a palindrome in a distinct number of steps?

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Gimme a Break – JF Aristocrats (may be digraphs / trigraphs) (1) unless otherwise stated *Alliteration

A-1, he (3), the, A-2, the (3), A-3, that (3), A-4, that, the (3), A-5, that, the (4), A-6, your (2), A-7, the (2), A-8, the (4), A-9, to (2), A-10, the (2), A-11, it (3), A-12, first, A-13, the (2), A-14, you (3), A-15, our (6), A-16, hiccup, A-17, code (2), A-18, the (2), A-19, for (2), A-20, ing (2), A-21, with, A-22, C* A-23, in (3), A-24, mule (2), A-25, Q*.

Gimme a Break - JF Patristocrats (may be digraphs / trigraphs) (1) unless otherwise stated

P-1, the (2), P-2, you (3), P-3, that, the, P-4, that, the, P-5, the (2), P-6, that, the, P-7, the (3), P-8, will, P-9, you (5), P-10, the (2), P-11, and (2), P-12, the (2), P-Sp-1, TLHV=fish, P-Sp-2, UJHGM = brown..

ND. A-20. Grand and glorious physician. K2. (78) Crib typo, should read, X = h. **LIONEL**
ND. P-Sp-1. Dark Christmas. K4. (105/22) (JFOG) Additional crib = “pulp.” **CONFUOCO**
ND. X-2. French Aristocrat. K1. Difference d’attitude. Be certain to recognize K1 Keyword Alphabet. **BARK**
ND. X-7. ????. K2. Same age. Find Romance language with e, a, o, s, as most frequent letters. **TWEETY**
ND. X-8. Latin Patristocrat. K2. Dutiful. (quasi) Crib placement, position 17, ends “virtutis” **THE DOC**
ND. E-1. Complete Columnar. Logical question. Period Seven column order begins with 5, 7 and 3. **DANEEL**
ND. E-2. Homophonic. Salon. (GUXY) Four letter keyword ends CH. **COLD DUCK**
ND. E-5. Ragbaby. The secret of good cooking. (pure) Crib placement under ciphertext AFFS. **TSIOLKOVSKY**
ND. E-6. Unknown. Four out of fifty. (CHMNYUX) 1234567 Railfence, has offsets. **WORD WIZARD**
ND. E-11. Null. Fiscal discipline at music festival. (-the-) **THE RAT**
Beginning letters for the partial crib word (-the-) in the first two ciphertext words. A popular Hamlet quotation.
ND. E-12. Tridigital. Energy saver. (popcorn) Crib placement at position 32, W.C. Fields quotation. **REAL NEO**
ND. E-14. Quagmire II. Road rage. (and anyone) Period six, crib placement at position 58 **OZ**
ND. E-15. Nihilist Substitution. Which will you choose? Period Eight, crib placement, position 81. **CRUNCH**
ND. E-16. Foursquare. Can’t see it. Extended crib (-icles that have never been) at position 52. **BION**
ND. E-17. Grandpre. Smelling is permitted. Crib begins a position 22. Plaintext begins “A sign” **RIG R MORTIS**
ND. E-21. Bifid. Small change. (tissued thehigh est) Crib at position 22, plaintext begins, “The” **THE DOC**
ND. E-22. Trifid. Boat safety. (indu stryassoci ation) Crib at position 47, plaintext begins, “To” **ANAPEST**
ND. E-23. Bazerries. But they also purr. Five digit key begins 62- - - **DANEEL**
ND. E-25. Numbered Key. Basic problem. (-esightthet) **BION**
Pattern crib fits pattern ciphertext beginning at position 54, allows for ease of Key Alphabet sequencing when Y = 29.
ND. C-Sp-2. Division. (No word, 1-0) Quotient = 9. **THE RAT**
JF. A-25. The search for good beer. **DARING FLAIR**
Check your pattern word list for few plaintext patterns represented by ciphertext KSIBBIF.
JF Patristocrat note: Three of the first twelve constructions begin with that familiar three letter word.
JF. X-9. Spanish Morbit. Tests first then teaches. (poco) Plaintext begins “La.” **WORD WIZARD**
JF. X-Sp-2. French transposition. Evening ritual. (ta chamber) Incomplete columnar, Period 8. **PARROT**
JF. E-1. Railfence. Wet threat. (NOLHM) Five rails, two offsets. **TSIOLKOVSKY**
JF. E-3. Morbit. Memoirist. (ULY) Plaintext begins “All.” **COLD DUCK**
JF. E-5. Keyphrase. Personal preferences. (virtues) Begins with name of a Political Statesman. **THE RAT**
JF. E-6. Pollux. Noisy. (KHDUG) Plaintext begins with a familiar three letter word. **BION**
JF. E-7. Amsco. Self-descriptive con. (seldom-2) Period 8 – 1, 7, 2, 3, 6, 5, 4, 8 **WORD WIZARD**
JF. E-8. Porta. Wisdom. (that) **THEDOC**
Drag the crib (that) through a Period Seven matrix. You will find it closely to the front of the ciphertext.
JF. E-9. Variant. Three perspectives. (cube-2) Period 18, begins, “Joke” **NIVEK**
JF. E-10. Swagman. Writers talk. (between) Plaintext begins with name of famous humorist. **L. TWIN**
JF. E-11. Quagmire I. Stormy weather. (pacificascyclonesin) Period 9, extend start of crib with “western” **OZ**
JF. C-6. Sudoku. (Three words) Solution appears in column one. **TWEETY**
JF. C-7. Addition. (No word, 0-9) **ACHAMP**
Since T generates no carry, it must represent a number 1 thru 4. (Try 2) P must equal 2 thru 9. (Try 3) Since E + E equals both L and N, these two letter must be consecutive in the solution. (Try 6 and 7) You are on your way.
JF. C-12. Sudoku. (Two words) Solution appears in first block of three. **ASYMPTOTE**
JF. Base 13 Multiplication. (Three words, 0-C) RED = 6B7 **THE DOC**
JF. C-Sp-1. Powers. (Two words, 9-0) I = 2 **LIONEL**