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y-1+1 = 4 roas 2D-Array; 3 - 1 + 1 = 3 coumns. ನಿ 1 Jan a12 a13 2 921 922 923 aza azz Row major order 3 931 ay's and 4 i ayı 4×3 = la elements = la slots needed to store 1000 0204 06 08 10 12 14 16 18 20 29 ы, н. 561789 How many bytes needed 0 row wise 1022 - 10001+1 =1 22+1=23 storing Bytes. • 1Strow ! and-row ! ardrow : 4th (4-1) (3-1) (LOC(A[4][3]) = 1000 + 3*4(2).3*2*2 ()1000 + 12 + 2 6 * 2 (1024 Ξ 9 z 12 Õ LOC [N[4][3] = 1000+[(4-1)*3+(3-1)]* 2 (3200) 88 89 ((3-1)* 4 (2) = 1022 گ ≮ و \bigcirc 9 $\frac{MG}{LOC(A[2][3])} = 1000 + [(2-1)*3 + (3-1)]*2 = (3+3)$ $\langle \cdot \rangle$ Ð a + 2 (ANS. =1000+[3+ 2]*2 11 * 2 1000 = 22 1000+10 **@** = 1027 = 1010 1000 = 16-29+1 = 48 8 (j-i)*j + ⇒108°C. A = [29 -... 76, 93 ... 200] 3) 200 76 29 47 BA = [000, c= 10] Row major order .?-: Loc(P[+0][190]) = 1000 + ((+0-29) + 108 + (+000)) + 10)S = 1000 + [4428 + 20] * 10 190-93 63 44480 1000+ 44480 63 • • Ξ 454 45480 (___) 40 250

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$$Loc (A[-3][-170]) = 0 + [(-170 + 300] * 401 + (-3 + 800)] * 1$$

$$= 130 \times 401 + 191$$

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