





30/10/22 , operator . b: 2, e= 3 pue edence >> left to right a= ++(++b, ++c); relurns right most value. class A int x; public: of A operator, (A ob) ob t; t. x = 06. x; return ob; 3/11/22 TTL -> Gransitor graneistor Logie. COCA Emitter coupled logic. MOS -> Metal oxide semiconducton. CMOS -> Complementary MOS. Deroders. 3×8 deroder 0/9 to An Ao leval le 0 0 31874 0 1 0 0 1 1 0 0 1 0

Dy Do SID, Enable Ao pa, × 11 0 W 1 0 0 1 1 0 1 8 x 3 encoder Octal to binary. $FAT \rightarrow 1111101001111$ (436.4) 2 () 10 Emilete compled topics 1009110 2 19 -1 Complementary MOS 2 9-4 7 3 6 A 7 x 8 2 + 3 x 8 1 + 6 x 8 0 + 8 x 1/2 2 64 24-0 448 478.5.0

(41.687 5) 10 = (?) 2 101001. 1011 2 41-1 2 20 -0 0.6875 01101 2 10 -0 + 0110 1).3750 25-1 10011 > 2 9.7500 101001. b 2 15000 cut = cent & Log 1).0000 6/11/22 template (class T) //generic void map {< T> (Tha, Thb) Ttemp; tempza; azb; b: temp; of stored The Stored template Class Thomas vill strek 27>:: push(T a) int main () swap < int> (2,3); swap (fleat) (1.5,0.75); class to class templake (class template (class T, int a) 11 specific int add (T) (T 2). Smap LTA, R) int main () } return x+a; add (int,2) (5); add (float, 3) (4.5);

3/11/22 String #include (string) string s = "Hello"; cin >> 5; [18 Space is the end of a eling]. getline (cin, s); int > etring s = s + 10"; [concaete nation]. COA. 010/11/22. 10 1/3 \$ 001 2/3 010. 1101 0000101001101 -0110 2's -> 1010 10111 Including sign bit. 13 01101 -6. 00.110 L's 11001 25 tool 11001 o it ot all promises 1 10 10 100111 00111 (7) Realization of half adder 01 110-(14) 10010 00111 1)1001 1's 1)0P 10 -> 1)0111 10111

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X1001 1101 0000XX 1101 x x x 7) 5000 (1110101 te) es e Loce 111) (110 00 (0.11 7001000110 9900 + 80 01010000 - 111 Use flip-flop when ever have an extra bit-due to similar sign. It is out side register. - expenent. martissa 7 virlual pt. 10011 21 01100 Parily bit, Odd Jeven pautly detells error - odd no, of 13, 2 odd correctly. even 4 4 2 even LAB Newfication of universal gales (i) Realization of half adder half adder. of full adder ming (iii) Realization 1310 (- 01 AO()

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