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	Name: Jash Vilas Attach
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	Code Behavior Description of the second
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Date: \_\_/\_\_/\_ Page No. : Date: \_\_/\_\_/\_ case (x26x18x0) is architecture structural of Decudent 108 11 whin '000 > Yez' 00000001'; signal XU-noj XI-noj, X2-noj: 370-10 when '007' => 1 (5,000000010,3 to seed by it pig she had been als when '010' 2 122:00000100'5 LION GARES .... when '011 2 (= '00001000'5 X0-not 22 mot x03 when 100 2 4= '00010000'3 X XI nopes my XV3 3 197 : when 101 2 7 <= '00/00000' 3 10 100 X2 LHOP (2 150x 223 when 110 => (2 '000000000'5 (= 1000000003 when "112" =2 - AND Gates too each citypup when other ? <= '00000000° ; T(0) ( Etnickle and X2-not and X1-hot and X0 not end cases T(1) <= trable and X2-huj and X2-huj and X0; 8/12 (2) <= Enable and X2-not and X1 and X0-not; PERO OD; TE "00000000; 7 (3) (= (mable and X2-na) and X1 and X0: end it; Y(sp) (= Encope and XI and XI not and XU-nots and processi 1(5) ( Enable and X2 and X1-not and XU; 7 (6) (E Enable and X2 and X1 and durnofs end Behaniumas; 7 (7) (= Enable and X2 and X1 and du; Structury style and of ructural; . Thorapy 1EEEs Octation Affle Use 18EE. 310-LOGIC-1164 ACI: enfifty library 166 F: entity Decoderatos \$ is Use 1266: \$1020910-1164.ALLS XU, XI, X2 Frable: in JID-LUGICS entity Deebderstos is 7: 00/ 976-LOGIG- VECTOR (7 dointo 0): each former Releasing frog Detructions XO, Xn, XL, France: 17 Sto-LUGICS end Decuderators T: out 376-LOGIGVECTOR (7 down to end occodentoss

- Date: \_\_/\_\_/\_\_ Date: \_\_/\_\_/\_\_ Page No. : Page No. : dignal 80-not 51 not 32 not: 570-100763 abelifecture octation of DeMox1703 is besin -- NOT Gate : .... 1 1 (0) 2 27 when f = 000 elso 003 30-not 40 not 3(0); \$ (1) (20 when & 2:001 els (D) 31-not (2 hot & (1): 4(2) (20 min 3: 010 elso 100 \$ 32-not <= not \$ (2): 1/13) (20 when d = '01) elso '0": 7(4) (= b) when \$ = 100 else '0'; -- AND Gate for each offer 1(5)(2) when (2019) elle 'P; Y(0) (= D) and Ji-not and It-not and Su-not: 7(6) (2) when \$ 5 (110" else "0". Y(1) <= D and 37-not and grand go); Y (1) (2) when Is '1119 else 'Osi Y(2) (= b) and finot and fland so-not: and papation, Y (3) (= D) and I 2-not and I(1) and I(0); Y (4) (= b and \$ (2) and olling and Jonof; y (5) <= b and of (2) and of not and of (0); Full Subtractor 7(6) (20 and 3(2) and 5(1) and 50-nots 4(1)(20 and 3(2) and 3(1) and 3(0)3 Behanoural Style end structures: Tibrapy Itele: home the har met entity pulls-btractor is batations Style library IEEEs part ( use 200 1868- 310-20920-1164-Aus. 1, B, B10: 10 8 Tb - LOGIC: D. Bout: out STD-LOGITC: entity Demux1 +08 1s and Fuldubtractors Purt ( b: in \$[b-2091c; action to that laws the 3: 10 876-LOGIC VECTOR (2 down to 0)3 architecture Behavioural at full abtractor is 1: 00 470-10976-VE(JOR (7 danto 0): begin , all be all was a pruceds (A, B, Bin) & end Demux1+08:

Date: \_\_/\_\_/\_ Page No. Date: /\_/\_ begin a server a server as the -- OR zate for Burrow-ong Boy (2 B) or 132; DIEA XUT B XON Bins Buy ( (no) A and (3) or (no) A and (3is) and process cend floortraps end process end Behanoural: b) Structural Style -e) Datation dyle · library IEEF3 Use 186.310-20916-1164.941; library 16ft: entity Full Subtractor is Use IFFE STD-LOGIC-+164.AUS port ( A, B, Bin: in \$70-L0916.) part ( A. B. Bin: in STD-LOGICS D, 13 of: orf 375-206103 end Pullsubfranton apphirtecture Datation of Fridultacitor is early Fyll Subtructor. besin DEZANOR B XOR Bin; architecture Structural of Fullybtractor is Boy (2 (nuf A and B) on (nuf A and BIn) or dignas D1 31, 132: 375-10910:119 (B) and Bis) 3 besin end bafatowi - First Half Subtractor 3) <= (nof A) and 18: -- Decond Half Sustraction Dez Dinar Bini 132, <= (nut DI) and Bin: