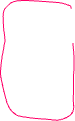
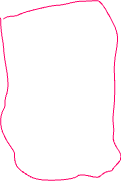
Diagrama, Esquemático

Descrição gerada automaticamenteDiagrama, Esquemático

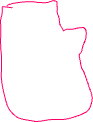
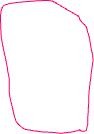
Descrição gerada automaticamente



Diagrama, Esquemático

Descrição gerada automaticamenteDiagrama, Esquemático

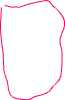
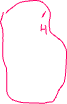
Descrição gerada automaticamente



Diagrama, Esquemático

Descrição gerada automaticamenteDiagrama, Esquemático

Descrição gerada automaticamente



--- le a matriz cp.txt----

 s0: entity work.CSA\_8 port map ( 2P0, 1P3,  P6, 1P7, 1P11, 2P12, 1P15,  P18, SOMAxx);

 s1: entity work.CSA\_6 port map ( 1P3, 1P6,  P7, 2P11, 1P12,  P18, SOMAxx);

 s2: entity work.CSA\_8 port map ( 2P1, 1P3,  P7, 1P7, 1P12, 2P12, 1P16,  P18, SOMAxx);

 s3: entity work.CSA\_4 port map ( 1P3,  P6, 1P11,  P18, SOMAxx);

 s4: entity work.CSA\_8 port map ( 2P1, 1P4,  P7, 1P8, 1P12, 2P13, 1P16,  P19, SOMAxx);

 s5: entity work.CSA\_6 port map ( 1P6, 2P7,  P11, 1P12, 1P15,  P18, SOMAxx);

 s6: entity work.CSA\_5 port map ( 2P6, 1P7, 1P11,  P12,  P18, SOMAxx);

 s7: entity work.CSA\_6 port map ( 1P7, 2P7,  P12, 1P12, 1P16,  P18, SOMAxx);

 s8: entity work.CSA\_3 port map ( 1P6,  P11,  P18, SOMAxx);

 s9: entity work.CSA\_6 port map ( 1P7, 2P8,  P12, 1P13, 1P16,  P19, SOMAxx);

 s10: entity work.CSA\_8 port map ( 2P5, 1P8,  P11, 1P11, 1P12, 2P12, 1P15,  P18, SOMAxx);

 s11: entity work.CSA\_6 port map ( 1P8, 1P11, 2P11,  P12, 1P12,  P18, SOMAxx);

 s12: entity work.CSA\_6 port map ( 2P6, 1P8,  P12, 3P12, 1P16,  P18, SOMAxx);

 s13: entity work.CSA\_4 port map ( 1P8,  P11, 1P11,  P18, SOMAxx);

 s14: entity work.CSA\_8 port map ( 2P6, 1P9,  P12, 1P12, 1P13, 2P13, 1P16,  P19, SOMAxx);

 s15: entity work.CSA\_4 port map (  P6, 1P7, 1P15,  P18, SOMAxx);

 s16: entity work.CSA\_3 port map ( 1P6,  P7,  P18, SOMAxx);

 s17: entity work.CSA\_4 port map (  P7, 1P7, 1P16,  P18, SOMAxx);

 s18: entity work.CSA\_2 port map (  P6,  P18, SOMAxx);

 s19: entity work.CSA\_4 port map (  P7, 1P8, 1P16,  P19, SOMAxx);

 s20: entity work.CSA\_8 port map ( 2P5, 1P8,  P11, 1P12, 1P16, 2P17, 1P20,  P23, SOMAxx);

 s21: entity work.CSA\_6 port map ( 1P8, 1P11,  P12, 2P16, 1P17,  P23, SOMAxx);

 s22: entity work.CSA\_8 port map ( 2P6, 1P8,  P12, 1P12, 1P17, 2P17, 1P21,  P23, SOMAxx);

 s23: entity work.CSA\_4 port map ( 1P8,  P11, 1P16,  P23, SOMAxx);

 s24: entity work.CSA\_8 port map ( 2P6, 1P9,  P12, 1P13, 1P17, 2P18, 1P21,  P24, SOMAxx);

--- le a matriz cn.txt----

 s0: entity work.CSA\_8 port map ( 1P1, 2P2, 1P5,  P8, 2P10, 1P13,  P16, 1P17, SOMAxx);

 s1: entity work.CSA\_6 port map ( 2P1, 1P2,  P8, 1P13, 1P16,  P17, SOMAxx);

 s2: entity work.CSA\_8 port map ( 1P2, 2P2, 1P6,  P8, 2P11, 1P13,  P17, 1P17, SOMAxx);

 s3: entity work.CSA\_4 port map ( 1P1,  P8, 1P13,  P16, SOMAxx);

 s4: entity work.CSA\_8 port map ( 1P2, 2P3, 1P6,  P9, 2P11, 1P14,  P17, 1P18, SOMAxx);

 s5: entity work.CSA\_6 port map ( 2P5, 1P8, 1P10,  P13,  P16, 1P17, SOMAxx);

 s6: entity work.CSA\_4 port map ( 1P8,  P13, 1P16,  P17, SOMAxx);

 s7: entity work.CSA\_6 port map ( 2P6, 1P8, 1P11,  P13,  P17, 1P17, SOMAxx);

 s8: entity work.CSA\_3 port map ( 1P8,  P13,  P16, SOMAxx);

 s9: entity work.CSA\_6 port map ( 2P6, 1P9, 1P11,  P14,  P17, 1P18, SOMAxx);

 s10: entity work.CSA\_8 port map ( 1P6, 2P7, 1P10, 2P10,  P13, 1P13,  P16, 1P17, SOMAxx);

 s11: entity work.CSA\_6 port map ( 2P6, 1P7,  P13, 1P13, 1P16,  P17, SOMAxx);

 s12: entity work.CSA\_8 port map ( 1P7, 2P7, 1P11, 2P11,  P13, 1P13,  P17, 1P17, SOMAxx);

 s13: entity work.CSA\_4 port map ( 1P6,  P13, 1P13,  P16, SOMAxx);

 s14: entity work.CSA\_8 port map ( 1P7, 2P8, 1P11, 2P11,  P14, 1P14,  P17, 1P18, SOMAxx);

 s15: entity work.CSA\_4 port map ( 1P5,  P8,  P16, 1P17, SOMAxx);

 s16: entity work.CSA\_3 port map (  P8, 1P16,  P17, SOMAxx);

 s17: entity work.CSA\_4 port map ( 1P6,  P8,  P17, 1P17, SOMAxx);

 s18: entity work.CSA\_2 port map (  P8,  P16, SOMAxx);

 s19: entity work.CSA\_4 port map ( 1P6,  P9,  P17, 1P18, SOMAxx);

 s20: entity work.CSA\_8 port map ( 1P6, 2P7, 1P10,  P13, 2P15, 1P18,  P21, 1P22, SOMAxx);

 s21: entity work.CSA\_6 port map ( 2P6, 1P7,  P13, 1P18, 1P21,  P22, SOMAxx);

 s22: entity work.CSA\_8 port map ( 1P7, 2P7, 1P11,  P13, 2P16, 1P18,  P22, 1P22, SOMAxx);

 s23: entity work.CSA\_4 port map ( 1P6,  P13, 1P18,  P21, SOMAxx);

 s24: entity work.CSA\_8 port map ( 1P7, 2P8, 1P11,  P14, 2P16, 1P19,  P22, 1P23, SOMAxx);

 aqui vão as 25 subtrações

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