Shinagawa coefficients for combos with mixed coefficients

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Column 1 shows points X(k) on the Euler line. Column 2 shows two-point combos for each X(k), and columns 3 and 4 show Shinagawa coefficients, as introduced in "Notation and Coordinates" near the top of ETC. For example, X(549) = {4(182) - (1353)} = $5S^2$ - $3S_BS_C$, where {4(182) - (1353)} represents 4X(182) - X(1353).

Center	Two Point Combos	G(a,b,c)	H(a,b,c)
X(2)	{4(1)-(145)},{-(1)+2(551)},{-(1)+4(1125)},{2(1)-(3241)}, {5(1)-2(3244)},{-2(1)+5(3616)},{-4(1)+7(3622)}, {8(1)-5(3623)},{-(1)+7(3624)},{7(1)-(3633)}, {7(1)-4(3635)},{-5(1)+8(3636)},{4(6)-(193)}, {-(6)+2(597)},{2(6)-(1992)},{-(6)+4(3589)}, {-2(6)+5(3618)},{5(6)-2(3629)},{4(6)-3(5032)}, {-5(6)+8(6329)},{7(6)-(6144)},{3(6)-2(8584)}, {10(6)-(11008)},{-(8)+4(10)},{-(8)+10(1698)}, {-2(8)+5(3617)},{4(8)-(3621)},{7(8)-4(3625)}, {-5(8)+8(3626)},{-(8)+2(3632)},{-(8)+16(3634)}, {-(8)+2(3679)},{-(8)+8(3828)},{-7(8)+10(4668)}, {-3(8)+4(4669)},{3(8)-2(4677)},{-4(8)+7(4678)}, {-7(8)+16(4691)},{11(8)-8(4701)},{-3(8)+8(4745)}, {-13(8)+16(4746)},{13(8)-10(4816)},{-(8)+7(9780)}, {-2(10)+5(1698)},{8(10)-5(3617)},{16(10)-(3621)}, {7(10)-(3625)},{5(10)-2(3626)},{2(10)-(3632)}, {-(10)+4(3634)},{2(10)-(3679)},{-(10)+2(3828)}, {14(10)-5(4668)},{3(10)-(4669)},{6(10)-(4677)}, {16(10)-7(4678)},{7(10)-4(4691)},{11(10)-2(4701)}, {3(10)-2(4745)},{13(10)-4(4746)},{26(10)-5(4816)}, {-4(10)+7(9780)},{-(32)+4(6680)},{4(37)-(192)}, {10(37)-(3644)},{2(37)-(4664)},{5(37)-2(4681)}, {-2(37)+5(4687)},{-(37)+4(4698)},{8(37)-5(4704)}, {7(37)-(4718)},{-(37)+2(4755)},{16(37)-(4788)}, {4(39)-(194)},{-(39)+4(6683)},{2(39)-(7757)}, {-2(39)+5(7786)}, {-(40)+4(6684)},{3(51)-(185)}, {-(51)+3(373)},{2(51)-(3060)},{-2(51)+3(5640)}, {2(51)-(5890)},{-(51)+2(5943)}{-(51)+4(6688)},	1	0

	{-(51)+8(10219)},{4(51)-3(11002)},{-2(51)+5(111451)}, {-2(52)+5(3567)},{-(52)+4(5462)},{-2(52)+17(11465)}, {-(64)+4(6696)},{-(68)+4(5449)},{-(69)+4(141)}, {-(69)+2(599)},{-(69)+7(3619)),{-2(69)+5(3620)}, {7(69)-4(3630)},{-5(69)+8(3631)},{-(69)+10(3763)}, {-(74)+4(6699)},{4(75)-(1278)},{-(75)+4(3739)}, {5(75)-2(4686)},{-(75)+2(4688)},{-2(75)+5(4699)}, {7(75)-4(4726)}, {-5(75)+8(4739)},{2(75)-(4740)}, {-(75)+7(4751)},{7(75)-(4764)}, {-4(75)+7(4772)}, {8(75)-5(4821)},{-(76)+4(3934)},{-(76)+2(9466)}, {-(83)+4(6704)},{-(99)+4(620)},{-(99)+6(9167)}, {2(99)-(8591)},{-(110)+2(5642)},{-(110)+4(5972)}, {2(110)-(9143)},{(4(113)-(146)),{2(113)-(10706)}, {4(115)-(148)},{-(115)+2(5461)},{-(115)+4(6722)}, {8(115)-(8596)},{-2(115)+3(9166)},{4(113)-(146)}, {4(125)-(3448)},{-(125)+4(6723)},{2(125)-(9140)}, {2(141)-(599)},{-4(141)+7(3619)},{8(141)-5(3620)}, {7(141)-3(3630)},{5(141)-2(3631)},{-2(141)+5(3763)}, {4(143)-(6243)},{-(145)+8(551)},{-(145)+16(1125)}, {-(145)+2(3241)},{-5(145)+8(3244)},{-(145)+10(3616)}, {-(145)+7(3622)},{-2(145)+5(3623)},{-(145)+28(3624)}, {7(145)-4(3633)},{-7(145)+16(3635)}, {-5(145)+32(3636)},{-(146)+2(10706)}, {-(148)+8(5461)},{-(148)+16(6722)},{2(148)-(8596)}, {-(148)+6(9166)},{-(154)+2(10192)},{-(155)+2(9820)}, {2(165)-(9788)},{-(165)+2(10164)},{4(182)-(6776)}, {2(182)-(11179)},{-(185)+4(9729)},{-(187)+3(5215)}, {5(192)-2(3644)},{-(192)+2(4664)},{-5(192)+8(4681)}, {-(192)+10(4687)},{-(192)+16(4698)},{-2(192)+5(4704)}, {7(192)-4(4718)},{-(192)+8(4755)},{4(192)-(4788)}, {-(193)+8(597)},{-(193)+2(1992)},{-(193)+16(3589)}, {-(193)+10(3618)},{-5(193)+8(3629)},{-(193)+3(5032)}, {7(193)-4(6144)},{-5(193)+32(6329)},{-3(193)+8(8584)}, {5(193)-2(11008)},{-(194)+16(6683)},{-(194)+2(7757)}, {-(194)+10(7786)},{4(230)-(385)},{4(230)-3(8859)}, {-(315)+4(626)},{-(315)+2(7818)},{-(315)+10(7867)},		

	{-(316)+4(625)},{-(323)+4(11064)},{4(325)-(7779)}, {-2(325)+5(7925)},{2(325)-(7840)}, {-(329)+4(3579)}, {-2(355)+5(5818)},{-(355)+4(9956)},{6(373)-(3060)}, {2(373)-(5640)},{6(373)-(5890)},{3(373)-2(5943)}, {-3(373)+4(6688)},{-3(373)+8(10219)},{4(373)-(11002)}, {6(373)-5(11451)},{-(385)+3(8859)},{4(389)-(5889)}, {-(389)+4(11695)},{-(399)+4(10272)},{-(487)+4(642)}, {-(488)+4(641)},{-(551)+2(1125)},{4(551)-(3241)}, {5(551)-(3244)},{-4(551)+5(3616)},{8(551)-7(3622)}, {16(551)-5(3623)},{-2(551)+7(3624)},{14(551)-(3633)}, {7(551)-2(3635)},{5(551)-4(3636)},{-(568)+2(5946)}, {4(590)-5861)},{2(591)-(3)$^{1/2}$(5862)},{4(597)-(1992)}, {-(597)+2(3589)},{-4(597)+5(3618)},{5(597)-(3629)}, {8(597)-3(5032)},{14(597)-(6144)},{5(597)-4(6329)}, {3(597)-(8584)},{20(597)-(11008)},{-2(599)+7(3619)}, {-4(599)+5(3620)},{7(599)-2(3630)},{5(599)-4(3631)}, {-(599)+5(3763)},{4(615)-(5860)},{8(620)-(8591)}, {-2(620)+3(9167)},{-(621)+4(623)},{-(622)+4(624)}, {2(626)-7818)},{-2(626)+5(7867)},{-(627)+4(629)}, {(-(628)+4(630)),{-(633)+4(635)},{-(634)+4(636)}, {-(637)+4(639)},{-(638)+4(640)},{-(944)+4(1385)}, {-(944)+6(3653)},{-(944)+2(3655)},{4(946)-(962)}, {-2(946)+5(8227)},{-(962)+10(8227)},{8(1125)-(3241)}, {10(1125)-(3244)},{8(1125)-5(3616)}, {16(1125)-7(3622)},{32(1125)-5(3623)}, {-4(1125)+7(3624)},{28(1125)-(3633)},{7(1125)-(3635)}, {5(1125)-2(3636)},{4(1147)-(6193)},{2(1153)-(5569)}, {4(1153)-(8182)},{-4(1216)+7(7999)},{4(1216)-(11412)}, {-(1278)+16(3739)},{-5(1278)+8(4686)}, {-(1278)+8(4688)},{-(1278)+10(4699)}, {-7(1278)+16(4726)},{-5(1278)+32(4739)}, {-(1278)+2(4740)},{-(1278)+28(4751)}, {7(1278)-4(4764)},{-(1278)+7(4772)}, {-2(1278)+5(4821)},{-(1352)+2(11178)}, {-2(1385)+3(3653)},{2(1385)-(3655)},{-(1482)+4(5901)}, {4(1506)-(7785)},{4(1698)-(3617)},{40(1698)-(3621)},		

	{35(1698)-2(3625)},{25(1698)-4(3626)}, {5(1698)-(3632)},{-5(1698)+8(3634)},{5(1698)-(3679)}, {5(1698)-4(3828)},{7(1698)-4(4668)},{15(1698)-2(4669)}, {15(1698)-(4677)},{40(1698)-7(4678)}, {35(1698)-8(4691)},{55(1698)-4(4701)}, {15(1698)-4(4745)},{65(1698)-8(4746)}, {13(1698)-(4816)},{10(1698)-7(9780)}, {-(1699)+2(3817)},{-(1699)+3(7988)},{2(1699)-(9812)}, {-(1699)+4(10171)},{2(1991)-(3)$^{1/2}$(5863)}, {-(1992)+8(3589)},{-(1992)+5(3618)},{5(1992)-4(3629)}, {-2(1992)+3(5032)},{7(1992)-2(6144)}, {-5(1992)+16(6329)},{-3(1992)+4(8584)}, {5(1992)-(11008)},{-3(2487)+4(9655)}, {-(2549)+4(4045)},{4(2883)-(6225)},{-(2896)+4(6292)}, {-(2979)+4(3819)},{-(2979)+2(3917)},{-(2979)+6(5650)}, {-(2979)+3(7998)}, {2(3054)-(8860)},{4(3055)-(7777)}, {-(3060)+3(5640)},{-(3060)+4(5943)}{-(3060)+8(6688)}, {-(3060)+16(10219)},{-2(3060)+3(11002)}, {-(3060)+5(11451)},{5(3241)-4(3244)}, {7(3241)-2(3633)},{-(3241)+5(3616)}, {-2(3241)+7(3622)},{-4(3241)+5(3623)}, {-(3241)+14(3624)},{-7(3241)+8(3635)}, {-5(3241)+16(3636)},{-4(3244)+25(3616)}, {-8(3244)+35(3622)},{-16(3244)+25(3623)}, {-2(3244)+35(3624)},{14(3244)-5(3633)}, {-7(3244)+10(3635)},{-(3244)+4(3636)}, {-(3448)+16(6723)},{-(3448)+2(9140)}, {-5(3567)+8(5462)},{-5(3567)+17(11465)}, {2(3576)-(5731)},{-(3576)+2(10165)},{4(3579)-(6361)}, {10(3589)-(3629)},{16(3589)-3(5032)}, {28(3589)-(6144)},{40(3589)-(11008)}, {5(3589)-2(6329)},{6(3589)-(8584)},{10(3616)-7(3622)}, {4(3616)-(3623)},{-5(3616)+14(3624)}, {35(3616)-2(3633)},{35(3616)-8(3635)}, {25(3616)-16(3636)},{10(3617)-(3621)}, {35(3617)-8(3625)},{25(3617)-16(3626)},		

	{5(3617)-4(3632)},{-5(3617)+32(3634)}, {5(3617)-4(3679)},{-5(3617)+16(3828)}, {7(3617)-4(4668)},{15(3617)-8(4669)}, {15(3617)-4(4677)},{10(3617)-7(4678)}, {35(3617)-32(4691)},{55(3617)-16(4701)}, {-15(3617)+16(4745)},{65(3617)-32(4746)}, {13(3617)-4(4816)},{-5(3617)+14(9780)}, {-5(3618)+8(3589)},{25(3618)-4(3629)}, {35(3618)-2(6144)},{25(3618)-16(6329)}, {15(3618)-4(8584)},{25(3618)-(11008)}, {14(3619)-5(3620)},{49(3619)-4(3630)}, {35(3619)-8(3631)},{-7(3619)+10(3763)}, {35(3620)-8(3630)},{25(3620)-16(3631)}, {-(3620)+4(3763)},{-7(3621)+16(3625)}, {-5(3621)+32(3626)},{-(3621)+32(3828)}, {-(3621)+8(3632)},{-(3621)+64(3634)}, {-(3621)+8(3679)},{-7(3621)+40(4668)}, {-3(3621)+16(4669)},{-3(3621)+8(4677)}, {-(3621)+7(4678)},{-7(3621)+64(4691)}, {-11(3621)+32(4701)},{-3(3621)+32(4745)}, {-13(3621)+64(4746)},{-13(3621)+40(4816)}, {-(3621)+28(9780)},{14(3622)-5(3623)}, {-(3622)+4(3624)},{49(3622)-4(3633)}, {49(3622)-16(3635)},{35(3622)-32(3636)}, {-5(3623)+56(3624)},{35(3623)-8(3633)}, {35(3623)-32(3635)},{-25(3623)+64(3636)}, {49(3624)-(3633)},{49(3624)-4(3635)}, {35(3624)-8(3636)},{-5(3625)+14(3626)}, {-2(3625)+7(3679)},{-2(3625)+7(3632)}, {-(3625)+28(3634)},{-(3625)+14(3828)}, {-2(3625)+5(4668)},{-3(3625)+7(4669)}, {-6(3625)+7(4677)},{-16(3625)+49(4678)}, {-(3625)+4(4691)},{-11(3625)+14(4701)}, {-3(3625)+14(4745)},{-13(3625)+28(4746)}, {-26(3625)+35(4816)},{-4(3625)+49(9780)}, {-4(3626)+5(3632)},{-(3626)+10(3634)},		

{-4(3626)+5(3679)},{-(3626)+5(3828)}, {28(3626)-25(4668)},{6(3626)-5(4669)}, {12(3626)-5(4677)},{-32(3626)+35(4678)}, {-7(3626)+10(4691)},{11(3626)-5(4701)}, {-3(3626)+5(4745)},{13(3626)-10(4746)}, {52(3626)-25(4816)},{-8(3626)+35(9780)}, {12(3628)-(4677)},{14(3629)-5(6144), {-(3629)+4(6329)},{-3(3629)+5(8584)}, {-8(3629)+15(5032)},{4(3629)-(11008)}, {-5(3630)-14(3631)},{-2(3630)+35(3763)}, {-4(3631)+25(3763)},{-(3632)+8(3634)}, {-(3632)+4(3828)},{7(3632)-5(4668)},{3(3632)-2(4669)}, {3(3632)-(4677)},{8(3632)-7(4678)},{-7(3632)+8(4691)}, {11(3632)-4(4701)},{-3(3632)+4(4745)}, {13(3632)-8(4746)},{13(3632)-5(4816)}, {-2(3632)+7(9780)},{-(3633)+4(3635)}, {-5(3633)+56(3636)},{8(3634)-(3679)},{2(3634)-(3828)}, {56(3634)-5(4668)},{12(3634)-(4669)}, {24(3634)-(4677)},{64(3634)-7(4678)},{7(3634)-(4691)}, {22(3634)-(4701)},{6(3634)-(4745)},{13(3634)-(4746)}, {104(3634)-5(4816)},{-16(3634)+7(9780)}, {-5(3635)+14(3636)},{-(3644)+5(4664)}, {-(3644)+4(4681)},{-(3644)+25(4687)}, {-(3644)+40(4698)},{-4(3644)+25(4704)}, {-7(3644)+10(4718)},{-(3644)+20(4775)}, {8(3644)-5(4788)},{3(3653)-(3655)},{-2(3654)+3(5657)}, {-2(3656)+3(5603)},{-(3656)+3(5886)}, {-(3679)+4(3828)},{7(3679)-5(4668)},{3(3679)-2(4669)}, {3(3679)-(4677)},{8(3679)-7(4678)},{-7(3679)+8(4691)}, {11(3679)-4(4701)},{-3(3679)+4(4745)}, {13(3679)-8(4746)},{13(3679)-5(4816)}, {-2(3679)+7(9780)},{10(3739)-(4686)},{2(3739)-(4688)}, {8(3739)-5(4699)},{7(3739)-(4726)},{5(3739)-2(4739)}, {8(3739)-(4740)},{-4(3739)+7(4751)},{28(3739)-(4764)}, {16(3739)-7(4772)},{32(3739)-5(4821)}, {4(3767)-(6392)},{-(3767)+4(7886)},{-(3785)+4(7815)},		

| | {4(3788)-(7776)},{4(3815)-(7774)},{-2(3817)+3(7988)}, {4(3817)-(9812)}, {-(3817)+2(10171)}{2(3819)-(3917)}, {4(3819)-3(7998)},{-2(3819)+3(5650)}, {28(3828)-5(4668)},{6(3828)-(4669)}, {32(3828)-7(4678)},{7(3828)-2(4691)}, {11(3828)-(4701)},{3(3828)-(4745)},{13(3828)-2(4746)}, {52(3828)-5(4816)},{12(3828)-(4677)}, {8(3828)-7(9780)},{-(3917)+3(5650)}, {-2(3917)+3(7999)},{2(3934)-(9466)}, {-2(4297)+5(7987)},{-2(4301)+5(11522)}, {5(4664)-4(4681),{-(4664)+5(4687)},{-(4664)+8(4698)}, {-4(4664)+5(4704)},{7(4664)-2(4718)}, {-(4664)+4(4755)},{8(4664)-(4788)}, {15(4668)-14(4669)},{15(4668)-7(4677)}, {-40(4668)+49(4678)},{-5(4668)+8(4691)}, {55(4668)-28(4701)},{-15(4668)+28(4745)}, {65(4668)-56(4746)},{13(4668)-7(4816)}, {-10(4668)+49(9780)},{2(4669)-(4677)}, {-16(4669)+21(4678)},{-7(4669)+12(4691)}, {11(4669)-6(4701)},{-(4669)+2(4745)}, {13(4669)-12(4746)},{26(4669)-15(4816)}, {-4(4669)+21(9780)},{-8(4677)+21(4678)}, {-7(4677)+24(4691)},{11(4677)+12(4701)}, {-(4677)+4(4745)},{-13(4677)+24(4746)}, {-13(4677)+15(4816)},{-2(4677)+21(9780)}, {-49(4678)+64(4691)},{77(4678)-32(4701)}, {-21(4678)+32(4745)},{91(4678)-64(4746)}, {91(4678)-40(4816)},{-(4678)+4(9780)}, {-4(4681)+25(4687)},{-(4681)+10(4698)}, {-16(4681)+25(4704)},{14(4681)-5(4718)}, {-(4681)+5(4755)},{32(4681)-5(4788)}, {-(4686)+5(4688)},{-4(4686)+25(4699)}, {-7(4686)+10(4726)},{-(4686)+4(4739)}, {-4(4686)+5(4740)},{-2(4686)+35(4751)}, {14(4686)-5(4764)},{-8(4686)+35(4772)}, {-16(4686)+25(4821)},{-5(4687)+8(4698)}, | | |

{4(4687)-(4704)},{35(4687)-2(4718)}, {5(4687)-4(4755)},{40(4687)-(4788)}, {-4(4688)+5(4699)},{7(4688)-2(4726)}, {5(4688)-4(4739)},{4(4688)-(4740)},{-2(4688)+7(4751)}, {14(4688)-(4764)},{8(4688)-7(4772)}, {16(4688)-5(4821)},{-6(4691)+7(4745)}, {22(4691)-7(4701)},{13(4691)-7(4746)}, {104(4691)-35(4816)},{-16(4691)+49(9780)}, {32(4698)-5(4704)},{28(4698)-(4718)}, {2(4698)-(4755)},{64(4698)-(4788)},{35(4699)-8(4726)}, {25(4699)-16(4739)},{5(4699)-(4740)}, {-5(4699)+14(4751)},{35(4699)-2(4764)}, {10(4699)-7(4772)},{4(4699)-(4821)}, {-3(4701)+11(4745)},{-13(4701)+22(4746)}, {-52(4701)+55(4816)},{-8(4701)+77(9780)}, {35(4704)-8(4718)},{-5(4704)+16(4755)}, {10(4704)-(4788)},{-(4718)+14(4755)}, {16(4718)-7(4788)},{-5(4726)+14(4739)}, {8(4726)-7(4740)},{-4(4726)+49(4751)}, {4(4726)-(4764)},{-16(4726)+49(4772)}, {-32(4726)+35(4821)},{16(4739)-5(4740)}, {-8(4739)+35(4751)},{56(4739)-5(4764)}, {-32(4739)+35(4772)},{64(4739)-25(4821)}, {-(4740)+14(4751)},{7(4740)-2(4764)}, {-2(4740)+7(4772)},{-4(4740)+5(4821)}, {13(4745)-6(4746)},{52(4745)-15(4816)}, {-8(4745)+21(9780)},{8(4746)-5(4816)}, {-16(4746)+91(9780)},{49(4751)-(4764)}, {4(4751)-(4772)},{56(4751)-5(4821)}, {32(4755)-(4788)},{-4(4764)+49(4772)}, {-8(4764)+35(4821)},{14(4772)-5(4821)}, {-15(4816)+52(4745)},{-10(4816)+91(9780)}, {21(5032)-4(6144)},{-15(5032)+32(6329)}, {9(5032)-8(8584)},{15(5032)-2(11008)}, {-(5286)+4(7834)},{4(5305)-(7754)},{-(5309)+2(7817)}, {5(5346)-2(7805)},{-4(5446)+7(9781)},		

	{4(5447)-(10625)},{-(5461)+2(6722)},		
	{16(5461)-(8596)},{4(5461)-3(9166)},		
	{-8(5462)+17(11465)},{-2(5562)+5(11444)},		
	{2(5569)-(8182)},{-(5587)+4(10172)},		
	{-(5587)+2(10175)},{-(5603)+2(5886)},		
	{3(5640)-(5890)},{-3(5640)+4(5943)},		
	{-3(5640)+8(6688)},{-3(5640)+16(10219)},		
	{2(5640)-(11002)},{-(5640)+15(11451)},		
	{-(5642)+2(5972)},{4(5642)-(9143)},		
	{2(5650)-(7998}},{-(5691)+7(7989)},		
	{-(5731)+4(10165)},{5(5734)-2(7982)},		
	{-5(5734)+14(9624)},{-5(5818)+8(9956)},		
	{-(1+(3)$^{1/2}$)(5872)+4(5874)},{(1+(3)$^{1/2}$)(5873)-4(5875)},		
	{-(5889)+16(11695)},{-(5890)+4(5943)},		
	{-(5890)+8(6688)},{-2(5890)+3(11002)},		
	{-(5890)+16(10219)},{-(5891)+2(10170)},		
	{2(5892)-(9730)},{4(5893)-(5895)},{-2(5894)+5(8567)},		
	{-(5943)+2(6688)},{-(5943)+4(10219)},		
	{8(5943)-3(11002)},{-4(5943)+5(11451)},		
	{8(5972)-(9143)},{-5(6144)+56(6329)},		
	{-5(6144)+12(8584)},{10(6144)-7(11008)},		
	{-6(6329)+7(8584)},{16(6329)-(11008)},		
	{-(6392)+16(7886)},{8(6683)-(7757)},		
	{8(6683)-5(7786)},{-(6688)+2(10219)},		
	{16(6688)-3(11002)},{8(6688)-5(11451)},		
	{32(6722)-(8596)},{8(6722)-3(9166)},{8(6723)-(9140)},		
	{-(6776)+2(11179)},{3(7610)-(8667)},		
	{-(7615)+2(7617)}, {2(7615)-(7620)},{4(7617)-(7620)},		
	{-(7618)+4(7619)},{-(7618)+2(7622)},{2(7619)-(7622)},		
	{-(7737)+4(7804)},{4(7745)-(7823)},{-(7748)+4(7861)},		
	{4(7749)-(7793)},{-2(7750)+5(7904)},{4(7750)-(9939)},		
	{4(7752)-(7900)},{2(7753)-(7812)},{-(7757)+5(7786)},		
	{-(7758)+4(7764)},{-(7760)+4(7829)},		
	{-2(7762)+5(7921)},{-(7766)+4(7792)},{4(7767)-(7893)},		
	{-(7768)+4(7849)},{-(7779)+10(7925)}		
	{-(7779)+2(7840)},{-(7787)+4(7889)},{-(7795)+4(7915)},		

	{-(7797)+4(7852)},{-(7801)+2(7880)},{-(7802)+4(7830)}, {2(7810)-(7811)},{-(7818)+5(7867)},{4(7821)-(7946)}, {-(7836)+4(7874)},{-(7837)+4(9300)},{4(7838)-(7877)}, {4(7853)-(7898)},{10(7904)-(9939)},{-(7967)+2(10246)}, {-(7982)+7(9624)},{6(7988)-(9812)}, {-3(7988)+4(10171)},{-(7991)+7(9588)}, {7(7999)-(11412)},{20(8584)-3(11008)}, {-(8591)+12(9167)},{-(8596)+12(9166)}, {3(8667)-(9770)},{3(8667)-4(9771)},{4(9734)-(9770)}, {-(9770)+4(9771)},{-(9778)+4(10164)}, {-(9812)+8(10171)},{4(10095)-(10263)}, {2(10172)-(10175)}, {32(10219)-3(11002)}, {16(10219)-5(11451)},{-(10247)+2(10283)}, {-3(11002)+10(11451)},{-2(11381)+5(11439)}		
X(3)	{-(1)+2(1385)},{2(1)-(1482)}, {-(1)+3(3576)}, {3(1)-(7982)},{-(1)+5(7987)},{4(1)-(8148)}, {3(1)-2(10222)},{-2(1)+3(10246)},{4(1)-3(10247)}, {-2(1)+7(10248)},{5(1)-(11531)},{-(6)+2(182)}, {-3(6)+4(575)},{3(6)-2(576)},{2(6)-(1351)}, {-2(6)+3(5050)},{-(6)+3(5085)},{-(6)+4(5092)}, {5(6)-3(5102)},{3(6)-(11477)},{-2(6)+5(12017)}, {-(8)+3(5657)},{-(8)+2(5690)},{2(10)-(355)}, {4(10)+3(5790)},{-(10)+2(6684)},{-(10)+3(10164)}, {-(13)+2(6771)},{-(14)+2(6774)},{2(15)-(5611)}, {2(16)-(5615)},{-(40)+3(165)},{-(40)+2(3579)}, {3(40)-(7991)},{3(51)-2(5446)},{-3(51)+4(5462)}, {-(51)+2(5892)},{-(52)+2(389)},{-2(52)+3(568)}, {2(52)-(6243)},{-(52)+4(9729)},{-(52)+3(9730)}, {-(64)+2(3357)},{-(64)+5(8567)},{2(74)-(10620)}, {-(83)+3(9751)},{2(110)-(399)},{-(110)+2(1511)}, {3(110)-2(5609)},{-(113)+2(5972)},{2(113)-(7728)}, {2(125)-(265)},{-(125)+2(6699)},{2(141)-(1352)}, {4(143)-3(3060)},{-4(143)+5(3567)},{4(143)-3(5890)}, {-2(143)+3(5946)},{2(143)-(10263)},{-(145)+2(1483)}, {-(145)+3(7967)},{-(146)+4(10272)},{3(154)-(1498)}, {3(154)-2(6759)},{-3(154)+4(10282)},{-(155)+2(1147)},	1	- 1

{-2(155)+3(3167)},{3(165)-2(3579)},{9(165)-(7991)}, {3(182)-2(575)},{3(182)-(576)},{4(182)-(1351)}, {4(182)-3(5050)},{-2(182)+3(5085)},{-(182)+2(5092)}, {10(!82)-3(5102)},{6(182)-(11477)},{4(182)+5(12017)}, {-(193)+2(1353)},{-3(262)+5(7786)},{-(265)+4(6699)}, {-(329)+3(9778)},{-2(355)+3(5790)},{-(355)+4(6684)}, {-(355)+6(10164)},{-(399)+4(1511)},{-3(399)+4(5609)}, {4(389)-3(568)},{4(389)-(6243)},{-(389)+2(9729)}, {-2(389)+3(9730)},{-2(551)+3(3653)},{2(551)-(3656)}, {3(551)-(4301)},{-3(568)+8(9729)},{3(568)-(6243)}, {-(568)+2(9730)},{2(575)-(576)},{8(575)-3(1351)}, {-8(575)+9(5050)},{-4(575)+9(5085)},{-(575)+3(5092)}, {20(575)-9(5102)},{4(575)-(11477)}, {-8(575)+15(12017)},{-4(576)+15(12017)}, {4(576)-3(1351)},{-4(576)+9(5050)},{-2(576)+9(5085)}, {-(576)+6(5092)},{10(576)-9(5102)}, {2(576)-(11477)},{-(944)+3(5731)}, {-(946)+2(1125)},{-2(946)+3(5886)},{-(946)+3(10165)}, {-(962)+5(3616)},{-(962)+3(5603)},{-(962)+4(5901)}, {4(1125)-3(5886)},{-2(1125)+3(10165)}, {4(1147)-3(3167)},{2(1153)-(7617)},{-(1160)+4(9739)}, {(3)$^{1/2}$(1161)-2(5865)},{-(1161)+4(9738)}, {-2(1216)+3(3917)},{-(1216)+2(5447)},{2(1216)-(5562)}, {-(1350)+2(3098)},{-(1351)+3(5050)},{-(1351)+6(5085)}, {-(1351)+8(5092)},{-5(1351)+8(5102)}, {3(1351)-(2(11477)),{-(1351)+5(12017)}, {4(1385)-(1482)},{-2(1385)+3(3576)},{6(1385)-(7982)}, {-2(1385)+5(7987)},{8(1385)-(8184)},{3(1385)-(10222)}, {4(1385)-3(10246)},{8(1385)+3(10247)}, {10(1385)-(11531)},{-(1482)+6(3576)}, {3(1482)-2(7982)},{-(1482)+10(7987)}, {2(1482)-(8148)},{-3(1482)+4(10222)}, {-(1482)+3(10246)},{-2(1482)+3(10247)}, {5(1482)-2(11531)},{-2(1483)+3(7967)}, {-(1498)+2(6759)},{-(1498)+2(10282)},{3(1511)-(5609)}, {2(1539)-(10721)},{5(1698)-3(5587)},{5(1698)-(5691)},		

{5(1698)-4(9956)},{-3(1699)+7(3624)}, {-3(1699)+5(8227)},{-3(1699)+4(9955)}, {-(1853)+4(10193)},{2(2883)-(5878)}, {-(2883)+3(10192)},{3(2979)-2(6101)}, {-3(2979)+4(10627)},{3(2979)-(11412)}, {-3(3060)+5(3567)},{-(3060)+2(5946)}, {3(3060)-2(10263)},{-2(3357)+5(8567)}, {-(3448)+2(10264)},{5(3567)-3(5890)}, {-5(3567)+6(5946)},{5(3567)-2(10263)}, {9(3576)-(7982)},{-3(3576)+5(7987)},{12(3576)-(8148)}, {9(3576)-2(10222)}{2(3576)-(10246)}, {4(3576)-(10247)},{15(3576)-(11531)}, {6(3579)-(7991)},{2(3589)-(5480)}, {5(3616)-3(5603)},{5(3616)-4(5901)}, {7(3622)-6(10283)},{7(3624)-5(8227)}, {7(3624)-4(9954)},{-(3625)+2(12007)},{3(3632)-(5881)}, {-3(3632)+7(9588)},{-2(3634)+15(10175)}, {3(3653)-(3656)},{9(3653)-2(4301)},{3(3654)-2(11362)}, {3(3655)-2(5882)},{3(3656)-2(4301)},{3(3679)-(5881)}, {-3(3679)+7(9588)},{5(3763)-2(3818)},{3(3819)-(5907)}, {2(3819)-(5891)},{-3(3917)+4(5447)},{3(3917)-(5562)}, {-(5050)+2(5085)},{-3(5050)+8(5092)}, {5(5050)-2(5102)},{9(5050)-2(11477)}, {-3(5050)+5(12017)},{-3(5085)+4(5092)}, {5(5085)-(5102)},{9(5085)-(11477)}, {6(5085)-5(12017)},{20(5092)-3(5102)}, {12(5092)-(11477)},{8(5092)-5(12017)}, {9(5102)-5(11477)},{-6(5102)+25(12017)}, {-(5446)+2(5462)},{-(5446)+3(5892},{4(5447)-(5562)}, {-2(5462)+3(5892)},{2(5569)-(7610)},{3(5587)-(5691)}, {-3(5587)+4(9956)},{-3(5603)+4(5901)}, {9(5640)-7(9781)},{9(5640)-8(10095)},{2(5642)-(5655)}, {3(5650)-2(10170)},{9(5650)-(11381)}, {-3(5654)+4(9820)},{3(5656)-(6225)}, {3(5657)-2(5690)},{-(5691)+4(9956)}, {-3(5790)+8(6684)},{-(5790)+4(10164)},		

	$\{-5(5818)+7(9780)\}\{-(3)^{1/2}(5864)+6(9739)\}$, $\{-(3)^{1/2}(5865)+6(9738)\}$,$\{-2(5876)+9(7998)\}$, $\{-2(5876)+7(7999)\}$,$\{-2(5876)+5(11444)\}$, $\{-(5876)+2(11591)\}$,$\{-(5878)+6(10192)\}$, $\{-(5881)+7(9588)\}$,$\{-(5886)+2(10165)\}$, $\{-(5889)+2(6102)\}$,$\{-(5890)+2(5946)\}$, $\{3(5890)-2(10263)\}$,$\{3(5891)-2(5907)\}$, $\{3(5943)-2(10110)\}$,$\{-3(5943)+4(11695)\}$, $\{3(5946)-(10263)\}$,$\{4(5972)-(7728)\}$, $\{-(6101)+2(10627)\}$,$\{2(6101)-(11412)\}$, $\{2(6102)-(5889)\}$,$\{-(6243)+8(9729)\}$, $\{-(6243)+6(9730)\}$,$\{-(6247)+2(6696)\}$,$\{-(6361)+3(9778)\}$, $\{-2(6684)+3(10164)\}$,$\{2(6723)-(7687)\}$, $\{-(6759)+2(10282)\}$,$\{9(7618)-(7758)\}$, $\{2(7619)-(8176)\}$,$\{3(7622)-(7775)\}$,$\{9(7622)-2(7843)\}$, $\{-(7751)+2(7780)\}$,$\{-2(7751)+3(8667)\}$, $\{-(7759)+2(7764)\}$,$\{3(7775)-2(7843)\}$,$\{4(7780)-3(8667)\}$, $\{-2(7781)+3(8716)\}$,$\{-(7982)+15(7987)\}$, $\{4(7982)-3(8148)\}$,$\{-(7982)+2(10222)\}$, $\{-2(7982)+9(10246)\}$,$\{-4(7982)+9(10247)\}$, $\{5(7982)-3(11531)\}$,$\{20(7987)-(8148)\}$, $\{15(7987)-2(10222)\}$,$\{10(7987)-3(10246)\}$, $\{20(7987)-3(10247)\}$,$\{25(7987)-(11531)\}$, $\{9(7998)-7(7999)\}$,$\{9(7998)-5(11444)\}$, $\{9(7998)-4(11591)\}$,$\{7(7999)-5(11444)\}$, $\{7(7999)-4(11591)\}$,$\{-3(8148)+8(10222)\}$, $\{-(8148)+6(10246)\}$,$\{-(8148)+3(10247)\}$, $\{5(8148)-4(11531)\}$,$\{5(8227)-4(9955)\}$, $\{-2(8550)+3(11179)\}$,$\{-(9589)+5(11522)\}$, $\{-(9589)+7(9624)\}$,$\{7(9624)-5(11522)\}$, $\{4(9729)-3(9730)\}$,$\{3(9734)-(9737)\}$, $\{-7(9781)+8(10095)\}$,$\{-2(9820)+3(10192)\}$, $\{-(10110)+2(11695)\}$,$\{6(10170)-(11381)\}$, $\{-4(10222)+9(10246)\}$,$\{-8(10222)+9(10247)\}$, $\{2(10246)-(10247)\}$,$\{5(11439)-3(11455)\}$, $\{5(11444)-4(11591)\}$,$\{-15(11451)+17(11465)\}$,		

	{-2(11477)+15(12017)},{10(11531)-3(10222)}, {15(11531)-2(10246)},{15(11531)-4(10247)}		
X(4)	{2(1)-(944)},{-(1)+2(946)},{-(1)+3(1699)}, {-2(1)+3(5603)},{3(1)-2(5882)},{4(1)-3(7967)}, {-3(1)+5(11522)},{-(6)+2(5480)},{2(6)-(6776)}, {3(6)-2(8550)},{5(6)-4(12007)},{-(8)+2(355)}, {2(10)-(40)},{4(10)-(239)},{3(10)-(5493)}, {-2(10)+3(5587)},{4(10)-3(5657)},{-4(10)+5(5818)}, {4(10)-(6361)},{-2(32)+3(9753)},{-2(39)+3(262)}, {2(40)-(329)},{3(40)-2(5493)},{-(40)+3(5587)}, {-2(40)+3(5657)},{-2(40)+5(5818)},{2(40)-(6361)}, {3(51)-(185)},{3(51)-2(389)},{6(51)-5(3567)}, {6(51)-(6241)},{-6(51)+7(9781)},{-3(51)+4(10110)}, {-2(52)+3(3060)},{-(52)+2(5446)},{-(52)-4(5462)}, {2(52)-(5889)},{-2(52)+3(5890)},{-(64)+3(1853)}, {-(64)+2(6247)},{-(69)+2(1352)},{-(74)+2(125)}, {-(74)+4(7687)},{-(98)+2(115)},{-(110)+2(113)}, {-4(116)+5(11444)},{-(125)+2(7687)},{2(141)-(1350)}, {4(143)-3(568)},{2(143)-(6102)},{-8(143)+9(11002)}, {-(145)+2(1482)},{-(146)+4(1539)},{-(146)+2(7728)}, {-3(154)+4(9820)},{2(155)-(6193)},{-3(165)+5(1698)}, {-3(165)+4(6684)},{-3(165)+7(7989)},{-(165)+2(10175)}, {-(182)+2(3589)},{-4(182)+5(3618)},{-(185)+2(389)}, {-2(185)+5(3567)},{2(185)-(6241)},{-2(185)+7(9781)}, {-(185)+4(10110)},{-(193)+2(1351)},{2(265)-(3448)}, {-(265)+2(10113)},{-3(329)+4(5493)},{-(329)+6(5587)}, {-(329)+3(5657)},{-(329)+5(5818)},{18(373)-17(11465)}, {9(373)-8(11695)},{-4(389)+5(3567)},{4(389)-(6241)}, {-4(389)+7(9781)},{-(389)+2(10110)},{-6(551)+7(9621)}, {3(568)-2(6102)},{-2(568)+3(11002)},{-2(575)+3(5476)}, {4(575)-3(11179)},{4(576)-3(1992)},{-(944)+4(946)}, {-(944)+6(1699)},{-(944)+3(5603)},{-3(944)+4(5882)}, {-2(944)+3(7967)},{-2(944)+3(1699)}, {-3(944)+10(11522)},{4(946)-3(5603)},{3(946)-(5882)}, {8(946)-3(7967)},{6(946)-5(11522)},{-(962)+3(9812)}, {-(962)+7(10248)},{4(1125)-3(3576)},	0	1

	{-2(1125)+3(3817)},{2(1125)-(6776)},		
	{-4(1125)+5(8227)},{-(1147)+2(5448)},		
	{-2(1147)+3(5654)},{4(1216)-3(2979)},		
	{-2(1216)+3(5891)},{2(1216)-(10625)},		
	{-4(1385)+5(3616)},{4(1385)-3(5731)},		
	{-2(1385)+3(5886)},{-(1385)+2(9955)},		
	{-4(1483)+5(3623)},{-2(1483)+3(10247)},		
	{-(1498)+2(2883)},{-2(1498)+3(5656)},		
	{-(1498)+4(5893)},{2(1539)-(7728)},{5(1698)-4(6684)},		
	{-5(1698)+7(7989)},{-5(1698)+6(10175)},		
	{2(1699)-(5603)},{9(1699)-2(5882)},{4(1699)-(7967)},		
	{9(1699)-5(11522)},{3(1853)-2(6247)},{3(2487)-(3655)},		
	{4(2883)-3(5656)},{-(2883)+2(5893)},{-(2979)+2(5891)},		
	{3(2979)-2(10625)},{-3(2979)+5(11444)},		
	{-3(3060)+4(5446)},{3(3060)-(5889)},		
	{-4(3098)+7(3619)},{-(3241)+2(3656)},		
	{-3(3241)+5(5734)},{-3(3241)+4(10222)},		
	{-(3448)+4(10113)},{5(3567)-(6241)},		
	{-5(3567)+7(9781)},{-5(3567)+8(10110)},		
	{-(3576)+2(3817)},{3(3576)-2(4297)},		
	{-3(3576)+5(8227)},{4(3579)-3(9778)},		
	{-4(3579)+7(9780)},{-(3579)+2(9956)},		
	{4(3589)-3(5085)},{5(3616)-3(5731)},		
	{-5(3616)+6(5886)},{-5(3616)+8(9955)},		
	{5(3617)-4(5690)},{-5(3617)+6(5790)},		
	{-7(3622)+8(5901)},{7(3622)-6(10246)},		
	{-5(3623)+6(10247)},{7(3624)-5(7987)},		
	{7(3624)-9(7988)},{7(3624)-6(10165)},		
	{-2(3629)+3(5102)},{3(3632)-(7991)},		
	{-2(3634)+15(10164)},{-2(3632)+3(11362)},		
	{6(3656)-5(5734)},{3(3656)-2(10222)},		
	{3(3679)-(7991)},{-2(3679)+3(11362)},		
	{3(3817)-(4297)},{6(3817)-5(8227)},		
	{-6(3917)+7(7999)},{-2(4297)+5(8227)},		
	{2(4301)-(7982)},{-2(5206)+3(9754)},		
	{4(5446)-(5889)},{4(5446)-3(5890)},		

	{-8(5447)+9(7998)},{-2(5447)+3(10170)}, {4(5448}-3(5654)},{-8(5462)+9(5640)}, {4(5462)-3(9730)},{2(5476)-(11179)}, {4(5480)-(6776)},{3(5480)-(8550)}, {5(5480)-2(12007)},{-(5485)+2(7620)}, {-2(5493)+9(5587)},{-4(5493)+9(5657)}, {-4(5493)+15(5818)},{4(5493)-3(6361)}, {-(5562)+2(5907)},{2(5562)-(11412)}, {2(5587)-(5657)},{6(5587)-5(5818)}, {6(5587)-(6361)},{9(5603)-4(5882)},{2(5603)-(7967)}, {-9(5603)+10(11522)},{-2(5609)+3(5655)}, {4(5609)-3(9143)},{3(5640)-2(9730)},{2(5655)-(9143)}, {-3(5656)+8(5893)},{-3(5657)+5(5818)}, {3(5657)-(6361)},{-2(5690)+3(5790)},{-(5731)+2(5886)}, {-3(5731)+8(9955)},{5(5734)-4(10222)}, {5(5818)-(6361)},{2(5868)-(7581)},{2(5869)-(7582)}, {2(5878)-(6225)},{-8(5882)+9(7967)}, {-2(5882)+5(11522)},{-3(5886)+4(9955)}, {-(5889)+3(5890)},{3(5890)-(5889)},{3(5891)-(10625)}, {6(5891)-5(11444)},{-4(5892)+5(11451)}, {-(5894)+2(6696)},{4(5901)-3(10246)}, {4(5907)-(11412)},{-(5925)+2(5894)}, {-(5925)+4(6696)},{3(5943)-2(9729)}, {-3(5946)+4(10095)},{-(6101)+2(11591)}, {-4(6102)+9(11002)},{-(6241)+7(9781)}, {-(6241)+8(10110)},{-(6243)+2(10263)}, {-4(6684)+7(7989)},{-2(6684)+3(10175)}, {4(6704)-3(9751)},{-3(6776)+4(8550)}, {-5(6776)+8(12007)},{9(7615)-4(7780)}, {2(7617)-(8182)},{-(7618)+2(8176)},{-2(7618)+3(8667)}, {-(7758)+2(7759)},{-(7758)+4(7843)},{-(7759)+2(7843)}, {-(7759)+9(8176)},{-2(7764)+3(7775)},{2(7764)-(7781)}, {16(7764)-9(9741)},{-8(7764)+9(9770)}, {3(7775)-(7781)},{-(7775)+3(8176)},{8(7775)-3(9741)}, {4(7775)-3(9770)},{-8(7781)+9(9741)}, {-4(7781)+9(9770)},{-9(7967)+20(11522)},		

	{-5(7987)+9(7988)},{-5(7987)+6(10165)}, {3(7988)-2(10165)},{7(7989)-6(10175)}, {2(7991)-(11362)},{-3(7998)+4(10170)}, {-4(8167)+3(8667)},{-5(8550)+6(12007)}, {2(9589)-(11362)},{-(9741)+2(9770)}, {-3(9778)+7(9780)},{-3(9778)+8(9956)}, {-7(9780)+8(9956)},{-7(9781)+8(10110)}, {-3(9812)+7(10248)},{(10264)-(10620)}, {-2(10625)+5(11444)},-2(11381)+3(11455)}, {17(11465)-16(11695)}		
X(5)	{2(1)-(1483)},{-(1)+3(5886)},{-(1)+2(5901)}, {-(1)+9(7988)},{-(1)+5(8227)},{-3(1)+7(9624)}, {-2(1)+3(10283)},{2(6)-(1353)}, {-(8)+3(5790)}, {-(8)+5(5818)},{2(10)-(5690)},{-(10)+2(9956)}, {-(10)+3(10175)},{-(10)+3(11362)},{-(40)+5(1698)}, {-3(40)+7(9588)},{3(51)-(52)},{3(51)-2(143)}, {-3(51)+4(10095)},{-(52)+2(143)},{-2(52)+7(9781)}, {-(52)+4(10095)},{-(110)+2(10272)},{2(125)-(10264)}, {-(143)+2(10095)},{-(145)+3(10247)},{-(155)+3(5654)}, {-(182+2(3589)),{-(185)+9(373)},{-(185)+3(9730)}, {-(355)+3(5587)},{3(355)-(5881)},{-(355)+7(7989)}, {3(373)-(9730)},{-(389)+2(5462)},{-(389)+3(5943)}, {-2(389)+3(5946)},{2(389)-(6102)}, {3(551)-(5882)}, {-3(568)+5(3567)},{-(568)+3(5640)},{3(568)-(5889)}, {-(568)+16(10219)},{-2(575)+3(597)},{2(575)-(8550)}, {-(576)+3(5476)},{3(597)-(8550)},{-(944)+5(3616)}, {-(944)+3(10246)},{4(946)-(1483)},{-(946)+3(3817)}, {3(946)-(4301)},{-(946)+2(9955)},{2(1125)-(1385)}, {-(1125)+3(10171)},{-(1147)+2(9820)},{2(1216)-(6101)}, {-(1216)+3(10170)},{-(1350)+5(3763)}, {-(1385)+6(10171)},{-(1482)+6(1699)}, {-(1482)+3(5603)},{-3(1482)+5(5734)}, {-(1483)+6(5886)},{-(1483)+4(5901)}, {-(1483)+18(7988)},{-(1483)+10(8227)}, {-3(1483)+14(9624)},{-(1483)+3(10283)}, {-(1511)+2(5972)},{5(1698)-3(1699)},	1	1

{15(1698)-7(9588)},{9(1699)-(9589)}, {-3(2979)+7(7999)},{3(3060)-(6243)}, {-3(3060)+7(9781)},{3(3167)-(6193)}, {-(3357)+2(6696)},{5(3567)-(5889)}, {-5(3567)+9(5640)},{-3(3576)+7(3624)}, {-(3579)+4(3634)},{-(3579)+2(6684)}, {-(3579)+6(10172)},{5(3616)-3(10246)}, {5(3619)-3(5050)},{5(3618)-(6776)},{7(3622)-3(7967)}, {2(3634)-(6684)},{-2(3634)+3(10172)},{3(3654)-(7991)}, {3(3656)-(7982)},{-3(3656)+5(11522)},{9(3817)-(4301)}, {3(3817)-2(9955)},{3(3819)-2(5447)}, {3(3917)-(10625)},{3(3917)-2(10627)}, {-(4297)+3(10165)},{-(4301)+6(9955)}, {3(5050)-(6776)},{-(5446)+2(10110)},{2(5446)-(10263)}, {-2(5462)+3(5943)},{4(5462)-3(5946)},{4(5462)-(6102)}, {-(5562)+3(5891)},{-(5562)+2(11591)},{9(5587)-(5881)}, {-3(5587)+7(7989)},{9(5603)-5(5734)},{9(5640)-(5889)}, {-3(5657)+7(9780)},{-3(5790)+5(5818)}, {-(5690)+6(9956)},{-(5690)+6(10175)}, {-2(5690)+3(11362)},{-(5876)+2(5907)}, {-(5881)+21(7989)},{3(5886)-2(5901)}, {-(5886)+3(7988)},{-3(5886)+5(8227)}, {9(5886)-7(9624)},{2(5886)-(10283)}, {3(5890)-(6243)},{-3(5890)+7(9781)}, {3(5891)-2(11591)},{-(5892)+2(6688)}, {3(5892)-2(9729)},{-3(5892)+4(11695)}, {-2(5901)+9(7988)},{-2(5901)+5(8227)}, {-6(5901)+7(9624)},{4(5901)-3(10283)}, {-(5925)+5(8567)},{2(5943)-(5946)},{6(5943)-(6102)}, {3(5946)-(6102)},{-(6101)+6(10170)}, {-(6241)+17(11465)},{-(6243)+7(9781)}, {2(6329)-(12007)},{-(6684)+3(10172)}, {3(6688)-(9729)},{3(6688)-2(11695)}, {-(6699)+2(6723)},{-(6759)+2(9820)}, {9(7617)-(7751)},{2(7687)-(10113)}, {-(7759)+9(8176)},{3(7775)-(7759)},{-(7775)+3(8176)},		

	{-(7982)+5(11522)},{9(7988)-5(8227)}, {27(7988)-7(9624)},{6(7988)-(10283)}, {15(8227)-7(9624)},{10(8227)-3(10283)}, {14(9624)-9(10283)},{-(9729)+2(11695)}, {-2(9956)+3(10175)},{-(9956)+6(11362)}, {4(10110)-(10263)},{-(10175)+9(11362)}, {3(10192)-2(10282)},{-(10625)+2(10627)}, {-(11412)+5(11444)}		
X(20)	{2(1)-(962)},{-(1)+2(4297)},{-(1)+2(4301)}, {-2(1)+3(5731)},{6(1)-5(5734)},{3(1)-(9589)}, {-(8)+2(40)},{3(8)-2(5881)},{-(8)+3(9778)}, {-3(8)+4(11362)},{-2(10)+3(165)},{2(10)-(5691)}, {-6(10)+7(9588)},{3(40)-(5881)},{-2(40)+3(9778)}, {3(40)-2(11362)},{-3(51)+4(9729)},{-(64)+2(5894)}, {-(69)+2(1350)}, {2(74)-(3448)},{2(98)-(148)}, {2(110)-(146)},{5(110)-4(6053)},{2(113)-(10721)}, {-(145)+2(944)},{-5(146)+8(6053)},{3(154)-2(2883)}, {3(154)-(5895)},{12(154)-7(5944)},{3(165)-(5691)}, {9(165)-7(9588)},{2(185)-(5889)},{-(193)+2(6776)}, {-(355)+2(3579)},{-4(355)+5(3617)},{-2(355)+3(5657)}, {4(389)-3(3060)},{4(389)-3(5890)},{6(551)-5(11522)}, {3(568)-2(10263)},{-8(576)+9(5032)}, {-2(576)+3(11179)},{-2(946)+3(3576)}, {-4(946)+5(3616)},{-6(946)+7(9624),{4(946)-3(9812)}, {-(962)+4(4297)},{-3(962)+4(4301)},{-(962)+3(5731)}, {-3(962)+5(5734)},{3(962)-2(9589),{4(1125)-3(1699)}, {-4(1125)+5(7987)},{12(1125)-7(9624)}, {-(1352)+2(3098)},{-4(1352)+5(3620)}, {8(1385)-7(3622)},{4(1385)-3(5603)}, {-4(1482)+5(3623)},{-2(1482)+3(7967)}, {2(1483)-(8148)},{2(1498)-(6225)},{2(1511)-(7728)}, {-5(1698)+6(10164)},{3(1699)-2(4297)}, {-3(1699)+5(7987)},{-3(1853)+4(6696)}, {-3(1853)+5(8567)},{-3(1992)+4(8550)}, {3(1992)-2(11477)},{2(2883)-(5895)},{3(2979)-2(5562)}, {8(3098)-5(3620)},{-(3241)+6(3653)},	1	- 2

	{-3(3241)+4(5882)},{3(3241)-2(7982)},		
	{2(3242)-(11531)},{5(3567)-4(5446)},		
	{-5(3567)+6(9730)},{10(3567)-9(11002)},		
	{6(3576)-5(3616)},{9(3576)-7(9624)},{2(3576)-(9812)},		
	{8(3579)-5(3617)},{4(3579)-3(5657)},		
	{15(3616)-14(9624)},{5(3616)-3(9812)},		
	{-5(3617)+6(5657)},{-5(3618)+6(5085)},		
	{-7(3622)+10(5603)},{-5(3623)+6(7967)},		
	{7(3624)-6(3817)},{8(3624)-7(7989)},		
	{3(3655)-2(10222)},{2(3819)-(5891)},		
	{3(3917)-2(5907)},{3(3917)-(11381)},		
	{6(3917)-5(11444)},{3(4297)-(4301)},{4(4297)-3(5731)},		
	{12(4297)-5(5734)},{6(4297)-(9589)},		
	{-4(4301)+9(5731)},{-4(4301)+5(5734)},		
	{2(4301)-(9589)},{-7(4678)+8(5690)},		
	{-3(5032)+4(11179)},{3(5085)-2(5480)},		
	{-3(5102)+4(12007)},{-2(5446)+3(9730)},		
	{-8(5446)+9(11002)},{4(5447)-3(5891)},		
	{8(5447)-7(7999)},{8(5447)-3(11455)},		
	{8(5462)-7(9781)},{2(5493)-(7991)},{-3(5587)+4(6684)},		
	{-6(5587)+7(9780)},{9(5640)-8(10110)},		
	{3(5656)-2(5878)},{-3(5656)+4(6759)},		
	{-3(5691)+7(9588)},{9(5731)-5(5734)},		
	{9(5731)-2(9589)},{5(5734)-2(9589)},		
	{-(5876)+2(10627)},{-(5878)+2(6759)},		
	{-2(5881)+9(9778)},{-(5881)+2(11362)},		
	{2(5882)-(7982)},{-6(5891)+7(7999)},		
	{2(5891)-(11455)},{-12(5892)+17(11465)},		
	{-2(5893)+3(10192)},{2(5907)-(11381)},		
	{-4(5907)+5(11444)},{2(5925)-(5894)},{2(6102)-(6243)},		
	{8(6684)-7(9780)},{-4(6696)+5(8567)},		
	{3(7618)-2(7764)},{-(7620)+2(8182)},		
	{-8(7751)+9(9740)},{-(7758)+2(7781)},		
	{9(7998)-5(11439)},{7(7999)-3(11455)},		
	{-5(8227)+6(10165)},{10(8227)-7(10248)},		
	{2(8550)-(11477)},{14(9624)-9(9812)},		

	{4(9730)-3(11002)},{9(9778)-4(11362)}, {12(10165)-7(10248)},{2(10625)-(11412)}, {-2(11381)+5(11444)},{-15(11451)+16(11695)}		
X(23)	{2(110)-(323)},{3(110)-2(3292)}, {-(110)+2(1495)},{-(323)+4(1495)}, {-3(323)+4(3292)},{3(1495)-(3292)}, {-(3448)+2(3580)}	E+4F	-4E-4F
X(25)	{-2(394)+3(6090)}	F	-E-F
X(26)	{3(154)-(155)},{3(154)-2(156)},{(155)-2(156)}, {-(1147)+2(10282)},{-2(9820)+3(10192)},	E+4F	-3E-4F
X(30)	{(1)-(3655)},{(1)-(3656)},{(8)-(329)},{(8)-(6361)}, {(6)-(6560)},{(6)-(6561)},{(6)-(11179)},{(10)-(3579)}, {(11)-(36)},{(11)-(3582)},{(11)-(3583)},{(11)-(4316)}, {(12)-(35)},{(12)-(3584)},{(12)-(3585)},{(12)-(4324)}, {(13)-(15)},{(13)-(396)},{(13)-(5318)},{(14)-(16)}, {(14)-(395)},{(14)-(5321)},{(15)-(396)},{(15)-(5318)}, {(16)-(395)},{(16)-(5321)},{(17)-(5237)},{(17)-(5350)}, {(18)-(5238)},{(18)-(5349)},{(32)-(5305)},{(32)-(5306)}, {(32)-(5309)},{(32)-(5346)},{(32)-(7748)},{(35)-(201)}, {(35)-(3584)},{(35)-(3585)},{(35)-(4324)},{(36)-(3582)}, {(36)-(3583)},{(36)-(4316)},{(39)-(7745)},{(39)-(7747)}, {(39)-(7753)},{(39)-(7756)},{(39)-(9300)},{(40)-(355)}, {(40)-(3632)},{(40)-(3654)},{(40)-(3679)},{(40)-(5690)}, {(40)-(5691)},{(51)-(5946)},{(51)-(9730)},{(52)-(185)}, {(52)-(6102)},{(52)-(10263)},{(61)-(397)},{(62)-(398)}, {(64)-(68)},{(64)-(5925)},{(68)-(5925)},{(74)-(265)}, {(74)-(3580)},{(74)-(3581)},{(74)-(9140)}, {(74)-(10264)},{(76)-(7750)},{(76)-(7767)}, {(76)-(7802)},{(76)-(7811)},{(83)-(7847)},{(99)-(316)}, {(99)-(325)},{(99)-(6390)},{(99)-(7799)},{(99)-7809}}, {(110)-(5655)},{(110)-(7728)},{(110)-(10706)}, {(110)-(10721)},{(113)-(1495)},{(113)-(1511)}, {(113)-(1514)},{(113)-(1531)},{(113)-(1539)}, {(113)-(1568)},{(113)-(5642)},{(113)-(10272)}, {(113)-(10564)},{(113)-(11064)},{(115)-(187)}, {(115)-(230)},{(115)-(6781)},{(125)-(10113)},	1	- 3

{(141)-(3098)},{(141)-(3818)},{(141)-(11178)}, {(143)-(389)},{(143)-(5446)},{145}-(8148)}, {(146)-(323)},{(146)-(399)},{(146)-(9143)}, {(148)-(385)},{(154)-(5654)},{(155)-(1498)}, {(155)-(5878)},{(155)-(5895)},{(156)-(1147)}, {(156)-(2883)},{(156)-(6759)},{(165)-(5587)}, {(182)-(597)},{(182)-(5476)},{(182)-(5480)}, {(185)-(6102)},{(185)-(10263)},{(187)-(230)}, {(187)-(6781)},{(194)-(7823)},{(194)-(7837)}, {-(194)+(7762)},{(201)-(3584)},{(201-(3585)), {(201-(4324)),{(230)-(6781)},{(262)-(598)}, {(265)-(3580)},{(265)-(3581)},{(265)-(9140)}, {(265)-(10264)},{(298)-(621)},{(299)-(622)}, {(315)-(7788)},{(316)-(325)},{(316)-(6390)}, {(316)-(7799)},{(316)-(7809)},{(323)-(399)}, {(323)-(9143)},{(325)-(6390)},{(325)-(7799)}, {(325)-(7809)},{(355)-(3632)},{(355)-(3554)}, {(355)-(3679)},{(355)-(5690)},{(355)-(5691)}, {(371)-(3070)},{(372)-(3071)},{(372)-(7584)}, {(389)-(5446)},{(395)-(5321)},{(396)-(5318)}, {(399)-(9143)},{(485)-(1151)},{(485)-(8981)}, {(486)-(1152)},{(495)-(1478)},{(495)-(4302)}, {(496)-(1479)},{(496)-(4299)},{(497)-(999)}, {3(497)-(3582)},{(497)-(4293)},{(551)-(946)}, {(551)-(1385)},{(551)-(4297)},{(551)-5901}}, {(568)-(3060)},{(568)-(5890)},{(576)-(8550)}, {(576)-(8584)},{(590)-(6200)},{(590)-(6564)}, {(597)-(5476)},{(597)-(5480)},{(599)-(1350)}, {(599)-(1352)},{(615)-(6396)},{(615)-(6565)}, {(620)-(625)},{(626)-(7789)},{(626)-(7816)}, {(626)-(7842)},{(626)-(7880)},{(631)-(2548)}, {(631)-(5013)},{(631)-(7748)},{(944)-(962)}, {(944)-(1482)},{(944),(1483)},{(944)-(3241)}, {(946)-(1385)},{(946)-(4297)},{(946)-(5901)}, {(962)-(1482)},{(962)-(1483)},{(962)-(3241)}, {(999)-(4293)},{(1056)-(6767)},{(1147)-(2883)},		

{(1147)-(6759)},{(1151)-(8981)}, {(1160)-(5870)}, {(1160)-(5874)},{(1161)-(5871)},{(1161)-(5875)}, {(1125)-(9955)},{(1216)-(5907)},{(1216)-(10627)}, {(1216)-(11591)},{(1350)-(1352)},{(1351)-(1353)}, {(1351)-(1992)},{(1351)-(6776)},{(1353)-(1992)}, {(1353)-(6776)},{(1384)-(7735)},{(1385)-(4297)}, {(1385)-(5901)},{(1478)-(4302)},{(1479)-(4299)}, {(1482)-(1483)},{(1482)-(3241)},{(1483)-(3241)}, {(1495)-(1511)},{(1495)-(1514)},{(1495)-(1531)}, {(1495)-(1539)},{(1495)-(1568)},{(1495)-(5642)}, {(1495)-(10272)},{(1495)-(10564)},{(1495)-(11064)}, {(1498)-(5878)},{(1498)-(5895)},{(1511)-(1514)}, {(1511)-(1531)},{(1511)-(1539)},{(1511)-(1568)}, {(1511)-(5642)},{(1511)-(10272)},{(1511)-(10564)}, {(1511)-(11064)},{(1514)-(1531)},{(1514)-(1539)}, {(1514)-(1568)},{(1514)-(5642)},{(1514)-(10272)}, {(1514)-(10564)},{(1514)-(11064)},{(1531)-(1539)}, {(1531)-(1568)},{(1531)-(5642)},{(1531)-(10272)}, {(1531)-(10564)},{(1531)-(11064)},{(1539)-(1568)}, {(1539)-(5642)},{(1539)-(10272)},{(1539)-(10564)}, {(1539)-(11064)},{(1568)-(5642)},{(1568)-(10272)}, {(1568)-(10564)},{(1568)-(11064)},{(1587)-(3311)}, {(1587)-(6459)},{(1588)-(3312)},{(1588)-(6460)}, {(1699)-(2487)},{(1699)-(3576)},{(1699)-(3653)}, {(1699)-(5886)},{(1992)-(6776)},{(2487)-(3576)}, {(2487)-(3653)},{(2487)-(5886)},{(2548)-(5013)}, {(2548)-(7748)},{(2548)-(7774)},{(2549)-(7737)}, {(2549)-(7739)},{(2883)-(6759)},{(2979)-(11455)}, {(3054)-(8588)},{(3055)-(7603)},{(3055)-(8589)}, {(3068)-(6221)},{(3069)-(6398)},{(3070)-(7583)}, {(3071)-(7584)},{(3085)-(5229)},{(3086)-(5225)}, {(3098)-(11178)},{(3167)-(5656)},{(3292)-(5609)}, {(3295)-(4294)},{(3303)-(4309)},{(3304)-(4317)}, {(3311)-(6459)},{(3312)-(6460)},{(3314)-(7898)}, {(3357)-(5894)},{(3357)-(6247)},{(3448)-(10620)}, {(3576)-(3653)},{(3576)-(5886)},{(3580)-(3581)},		

	{(3580)-(9140)},{(3580)-(10264)},{(3581)-(9140)}, {(3581)-(10264)},{(3582)-(3583)},{(3582)-(4316)}, {(3583)-(4316)},{(3584)-(3585)},{(3584)-(4324)}, {(3585)-(4324)},{(3589)-(5092)},{(3618)-(12017)}, {3632}-(3654),{(3632)-(5690)},{(3632)-(5691)}, {(3653}-(5886)},{(3654)-(3679)},{(3654)-(5690)}, {(3654)-(5691)},{(3655)-(3656)},{(3734)-(7761)}, {(3734)-(7865)},{(3746)-(4330)},{(3746)-(5270)}, {(3769)-(5690)},{(3769)-(5691)},{(3788)-(7825)}, {(3815)-(5475)},{(3819)-(10170)},{(3828)-(6684)}, {(3828)-(9956)},{(3871)-(10165)},{(3917)-(5891)}, {(3926)-(7776)},{(3934)-(7830)},{(3972)-(7790)}, {(3972)-(7792)},{(3972)-(7884)},{(4045)-(7804)}, {(4297)-(5901)},{(4301)-(5882)},{(4301)-(10222)}, {(4325)-(4857)},{(4325)-(5563)},{(4330)-(5270)}, {(4669)-(5493)},{(4669)-(11362)},{(4677)-(5881)}, {(4677)-(7991)},{(4857)-(5563)},{(5013)-(7748)}, {(5024}-(7736)},{(5237}-(5350)},{(5238)-(5349)}, {(5305)-(5306)},{(5305)-(5309)},{(5305)-(5346)}, {(5305)-(7748)},{(5306)-(5309)},{(5306)-(5346)}, {(5206)}-(7746)},{(5306)-(7748)},{(5309)-(5346)}, {(5309)-(7748)},{(5346)-(7748)},{(5418)-(6409)}, {(5420)-(6410)},{(5448)-(5893)},{(5448)-(9820)}, {(5448)-(10282)},{(5449)-(6696)},{(5462)-(9729)}, {(5462)-(10095)},{(5462)-(10110),{(5476)-(5480)}, {(5493)-(11362)},{(5562)-(5876)},{(5562)-(6101)}, {(5562)-(10625)},{(5562)-(11381)},{2(5569)-(7610)}, {(5603)-(5731)},{(5603)-(9812)},{(5603)-10246}}, {(5603)-(10283)},{(5642)-(10272)},{(5642)-(10564)}, {(5642)-(11064)},{(5655)-(7728)},{(5655)-(10706)}, {(5655)-(10721)},{(5657)-(5790)},{(5657)-(9778)}, {(5690)-(5691)},{(5731)-(9812)},{(5731)-(10246)}, {(5731)-(10283)},{(5790)-(9778)},{(5790)-(9780)}, {(5870)-(5874)},{(5871)-(5875)},{(5876)-(6101)}, {(5876)-(10625)},{(5876)-(11381)},{(5878)-(5895)}, {(5881)-(7991)},{(5882)-(10222)},{(5889)- (6241)},		

	{(5889)-(6243)},{(5892)-(5943)},{(5893)-(9820)}, {(5893)-(10282)},{(5894)-(6247)},{(5907)-(10627)}, {(5907)-(11591)},{(5946)-(9730)},{(6101)-(10625)}, {(6101)-(11381)},{(6102)-(10263)},{(6199)-(7585)}, {(6200)-(6564)},{(6241)-(6243)},{(6390)-(7799)}, {(6390)-(7809)},{(6395)-(7586)},{(6396)-(6565)}, {(6417)-(7581)},{(6418)-(7582)},{(6560)-(6561)}, {(6680)-(7861)},{(6684)-(9956)},{(6699)-(7687)}, {(7603)-(8589)},{(7610)-(7617)},{(7610)-(8183)}, {(7615)-(8182)},{(7615)-(9756)},{(7622)-(8176)}, {(7622)-(9771)},{(7728)-(10706)},{(7728)-(10721)}, {(7737)-(7739)},{(7738)-(9605)},{(7745)-(7747)}, {(7745)-(7753)},{(7745}-(7756)),{(7745)-(9300)}, {(7747)-(7753)},{(7747)-(7756)},{(7747)-(9300)}, {(7750)-(7767)},{(7750)-(7802)},{(7750)-(7811)}, {(7752)-(7782)},{(7753)-(7756)},{(7753)-(9300)}, {(7756)-(9300)},{(7759)-(7781)},{(7761)-(7865)}, {(7762)-(7823)},{(7762)-(7837)},{(7763)-(7773)}, {(7764)-(7843)},{(7767)-(7802)},{(7767)-(7811)}, {(7772)-(9607)},{(7775)-(9737)},{(7783)-(7785)}, {(7784)-(7795)},{(7787)-(7864)},{(7789)-(7816)}, {(7789)-(7842)},{(7789)-(7880)},{(7790)-(7792)}, {(7790)-(7884)},{(7792)-(7884)},{(7794)-(7873)}, {(7796)-(7860)},{(7799)-(7809)},{(7801)-(7818)}, {(7802)-(7811)},{(7810)-(9466)},{(7816)-(7842)}, {(7816)-(7880)},{(7820)-(7853)},{(7821)-(7863)}, {(7822)-(7935)},{(7823)-(7837)},{(7832)-(7911)}, {(7834)-(7872)},{(7835)-(7934)},{(7836)-(7885)}, {(7840)-(8591)},{(7842)-(7880)},{(7846)-(7918)}, {(7891)-(7912)},{(7893)-(9939)},{(7900)-(7906)}, {(7967)-(10247)},{(7982)-(9589)},{(7987)-(8227)}, {(8167)-(9734)},{(8176)-(9771)},{(8182)-(9756)}, {(8550)-(8584)},{(8667)-(9771)},{(9140)-(10264)}, {(9729)-(10095)},{(9729)-(10110)},{(9820)-(10282)}, {(10095)-(10110)},{(10164)-(10172)},{(10246)-(10283)}, {(10272)-(10564)},{(10272)-(11064)},{(10625)-(11381)},		

	{(10564)-(11064)},{(10627)-(11591)},{(10706)-(10721)}, {(11439)-(11444)}		
X(140)	{3(51)-(10263)},{-(52)+3(5946)},{-(143)+2(5462)}, {-(143)+4(11695)},{3(182)-(8550)},{-(355)+5(1698)}, {-(389)+3(5892)},{3(551)-(10222)},{-(576)+3(597)}, {2(1125)-(5901)},{9(1153)-(7780)},{-(1216)+3(3819)}, {-(1351)+5(3618)},{-(1352)+5(3763)},{-(1353)+3(5050)}, {3(1385)-(5882)},{-(1385)+3(10165)},{-(1482)+5(3616)}, {-(1482)+6(5886)},{-(1482)+3(10283)}, {-(1483)+3(10246)},{5(3567)-(6243)},{3(3567)-(6101)}, {3(3579)-(5493)},{-(3579)+3(10164)}, {5(3616)-3(10283)},{7(3622)-3(10247)}, {7(3624)-3(5886)},{2(3634)-(9956)},{-3(3654)+7(9588)}, {-3(3656)+7(9624)},{3(3917)-(6101)}, {-(5446)+3(5943)},{-(5446)+2(10095)}, {2(5447)-(10627)},{-(5493)+9(10164)}, {-(5562)+9((5650)),{-(5609)+3(5642)}, {-(5640)+17(11465)},{-(5876)+3(5891)}, {-(5876)+2(10170)},{-(5882)+9(10165)}, {-5(5886)+9(11522)},{-(5907)+3(10170)}, {3(5943)-2(10095)},{5(5972)-(6053)},{2(5972)-(10272)}, {-2(6053)+5(10272)},{-(6102)+3(9730)}, {3(6688)-(10110)},{-(6759)+3(10192)}, [-(6776)+5(12017)],{9(7619)-(7764)}, {9(7622)-(7781)},{-(7775)+3(9771)},{9(7998)-(11412)}, {-7(9781)+15(11451)},{(9812)-(10246)}, {(9812)-(10283)}	3	- 1
X(186)	{-(323)+4(1511)},{-(1568)+2(5972)}	-4F	E+4F
X(376)	{-(8)+4(3579)},{-(8)+2(3654)},{-(69)+4(3098)}, {-(146)+4(1511)}, {-(146)+2(5655)},{2(154)-(5656)}, {3(165)-(3632)},{2(165)-(5657)},{-2(551)+3(3576)}, {4(551)-3(5603)},{-2(567)+3(5085)},{-(944)+4(4297)}, {-2(946)+5(7987)},{-(962)+4(1385)},{-(962)+2(3656)}, {-2(1351)+3(5032)},{2(1385)-(3656)},{2(1511)-(5655)}, {-(1699)+2(10165)},{-(1992)+2(11179)}, {-(3060)+2(9730)},{-(3241)+2(3655)},{-(3241)+3(5731)},	2	- 3

	{-2(3241)+3(7967)}, {-5(3567)+8(9729)}, {2(3576)-(5603)},{-(3576)+4(10171)},{2(3579)-(3654)}, {-5(3616)+6(3653)},{-5(3618)+8(5092)}, {5(3618)-4(5476)},{-7(3619)+4(3818)}, {5(3623)-2(8148)},{-2(3632)+3(5657)}, {-2(3655)+3(5731)},{4(3655)-3(7967)}, {-2(3769)+3(5657)},{4(3819)-(11455)}, {4(3828)-3(5587)},{-2(3828)+3(10164)}, {2(4669)-(5881)},{-(4677)+2(11362)}, {2(5092)-(5476)},{8(5447)-5(11444)}, {-(5485)+4(8182)},{2(5569)-(7615)}, {-(5587)+2(10164)},{-3(5640)+4(5892)}, {2(5642)-(10706)},{-2(5691)+5(5818)}, {-(5691)+4(6684)},{2(5731)-(7967)},{-5(5818)+8(6684)}, {-(5878)+4(10282)},{2(5886)-(9812)} {-(5890)+2(9730)},{-2(5891)+3(7998)}, {-4(5907)+7(7999)},{4(5946)-3(11002)}, {4(5972)-(10721)},{-(6225)+4(6759)}, {-2(6247)+5(8567)},{2(7610)-(7620)},{2(7618)-(9770)}, {2(8584)-(11477)},{4(8716)-3(9741)}		
X(381)	{-(1)+4(9955)},{-(6)+2(5476)},{2(10)-(3654)}, {-(40)+7(7989)},{-(40)+4(9956)},{2(51)-(568)}, {-(52)+4(10110)},{-(98)+3(9166)},{4(113)-(399)}, {2(113)-(5655)},{5(113)-2(6053)},{4(125)-(10620)}, {4(143)-(5889)},{-4(143)+7(9781)},{-(145)+16(9955)}, {-(155)+4(5448)},{-(185)+4(5462)},{3(262)-(7757)}, {-(265)+4(7687)},{-(329)+7(9780)},{3(373)-2(5892)}, {-(399)+2(5655)},{-5(399)+8(6053)},{2(551)-(3655)}, {-2(551)+3(5886)},{4(551)-3(10246)},{4(597)-3(5050)}, {2(597)-(11179)},{-(599)+2(11178)},{-(944)+4(5901)}, {4(946)-(1482)},{-2(946)+3(2487)},{2(946)-(3656)}, {4(1125)-3(3653)},{-(1351)+4(5480)}, {-2(1353)+3(5032)},{-2(1385)+5(8227)}, {-(1482)+6(2487)},{-(1482)+2(3656)},{5(1698)-2(3579)}, {3(2487)-(3656)},{-2(3098)+5(3763)},{-(3167)+2(5654)}, {-(3241)+3(5603)},{-2(3241)+3(10247)},	1	3

	{5(3567)-2(6102)},{-5(3567)+8(10095)}, {-(3576)+3(7988)},{8(3589)-5(12017)}, {-(3632)-3(5587)},{-2(3632)+3(5790)}, {-(3655)+6(3817)},{-(3655)+3(5886)}, {-2(3655)+3(10246)},{-(3679)+3(5587)}, {-2(3679)+3(5790)},{2(3817)-(5886)}, {4(3817)-(10246)},{-2(3828)+3(10175)}, {-(3917)+2(10170)},{2(4745)-(11362)}, {3(5050)-2(11179)},{4(5446)-(6243)},{2(5587)-(5790)}, {2(5603)-(10247)},{3(5640)-2(5946)},{5(5655)-4(6053)}, {-2(5690)+5(5818)},{-(5878)+4(5893)}, {2(5886)-(10246)},{-(5889)+7(9781)},{2(5943)-(9730)}, {-2(6101)+5(11444)},{-(6102)+4(10095)}, {-(6361)+7(9780)},{-(7610)+2(7617)},{-(7618)+2(9771)}, {-(7967)+2(10283)},{7(7989)-4(9956)}, {7(7999)-4(10627)},{6(8176)-(8716)}, {-(10164)+2(10171)},{-(10164)+2(10172)}, {-2(10222)+5(11522)},{16(11017)-(11412)}, {4(11017)-(11591)},{-(11412)+4(11591)},		
X(382)	{-2(40)+3(5790)},{-(74)+2(10113)},{-(110)+2(1539)}, {-3(165)+4(9956)},{9(165)-2(11362)},{-2(185)+3(568)}, {-(185)+2(5446)},{2(265)-(10620)},{-(329)+2(5690)}, {5(355)-4(3626)},{3(355)-2(11362)},{-(399)+2(7728)}, {-3(568)+4(5446)},{-3(944)+5(5734)},{-(944)+3(9812)}, {-2(944)+3(10247)},{-(944)+3(10283)},{5(946)-4(3636)}, {2(962)-(8148)},{-(1350)+2(3818)},{5(1351)-4(3629)}, {5(1352)-4(3631)},{-2(1385)+3(1699)}, {-6(1385)+7(9624)},{5(1482)-4(3244)}, {-3(1482)+4(4301)},{-(1483)+3(5603)}, {9(1699)-7(9624)},{3(1853)-2(3357)},{3(1853)-(5925)}, {-3(2979)+4(11591)},{3(3060)-2(6102)}, {3(3060)-(6241)},{2(3357)-(5925)},{-3(3576)+4(9955)}, {-3(3244)+5(4301)},{-2(3579)+3(5587)}, {-6(3579)+7(9588)},{6(3626)-5(11362)}, {3(3654)-2(5493)},{3(3656)-2(5882)}, {-2(4297)+3(5886)},{-3(5050)+4(5480)},	1	- 5

	{-15(5050)+16(6329)},{5(5480)-4(6329)}, {9(5587)-7(9588)},{-2(5609)+3(10706)}, {2(5690)-(6361)},{3(5691)-(5881)},{-3(5731)+4(5901)}, {-3(5731)+7(10248)},{-5(5734)+9(9812)}, {10(5734)-9(10247)},{5(5818)-3(9778)}, {2(5876)-(11412)},{-(5889)+2(10263)}, {3(5890)-2(6102)},{3(5890)-(6241)}, {-4(5901)+7(10248)},{2(5907)-(10625)}, {-6(5946)+7(9781)},{-2(6101)+5(11439)}, {2(6102)-(6241)},{4(7764)-3(8716)},{-(7781)+2(7843)}, {-3(9730)+4(10110)},{2(9812)-(10247)}, {-4(10283)+5(11522)},{-4(10627)+5(11444)}		
X(468)	{-(3292)+3(5642)},{2(5972)-(11064)}	3F	-E-F
X(546)	{3(51)-(6102)},{3(113)-(5609)},{-(143)+2(10110)}, {-(185)+3(5946)},{-(389)+2(10095)},{-3(568)+7(9781)}, {-5(575)+6(6392)},{5(576)-3(3629)},{-(576)+3(5480)}, {5(946)-(3244)},{3(946)-(10222)},{4(946)-3(10246)}, {-(1216)+4(11017)},{5(1351)-(11008)},{(1385)-3(3817)}, {9(2487)-5(11522)},{-3(3244)+5(10222)}, {-(3579)+3(10175)},{-(3629)+5(5480)}, {-4(3636)+5(5901)},{-2(3636)+5(9955)}, {16(3636)-15(10246)},{-3(3655)+7(9624)}, {3(5476)-(8550)},{3(5587)-(5690)},{9(5587)-(7991)}, {9(5640)-(6241)},{3(5690)-(7991)},{3(5891)-(6101)}, {-(5901)+2(9955)}	1	5
X(547)	{3(373)-(5946)},{-(568)+5(11451)},{5(1698)-(3654)}, {-(3241)+3(10283)},{7(3624)-3(3653)}, {-(3656)+5(8227)},{5(3656)-(11531)}, {12(3828)-(10172)},{25(8227)-(11531)}	7	3
X(548)	{-(143)+2(9729)},{21(165)-5(4668)},{3(165)-(5690)}, {9(165)-(5881)},{-3(355)+7(9588)},{-(962)+3(10283)}, {3(1385)-(4301)},{-(1483)+3(5731)},{3(2487)-2(4297)}, {7(3098)-(3630)},{9(3576)-(9589)},{7(3579)-(3625)}, {3(3579)-(11362)},{-3(3625)+7(11362)}, {9(3653)-5(11522)},{3(3917)-(5876)}, {-5(4668)+7(5690)},{15(4668)-7(5881)},	5	- 7

	{2(5447)-(11591)},{3(5690)-(5881)}, {-5(5734)+9(10246)},{3(5892)-2(10095)}, {15(7987)-7(9624)},{3(9730)-(10263)}		
X(549)	{-(1)+3(3653)},{4(182)-(1353)},{5(182)-2(12007)}, {4(551)-3(10283)},{2(575)-(8584)},{4(1125)-(3655)}, {-5(1353)+8(12007)},{4(1385)-(1483)}, {-(1992)+3(5050)},{-3(2487)+5(8227)}, {-(3241)+3(10246)},{3(3576)-(3655)}, {2(3589)-(5476)},{7(3622)-(8148)},{-(3656)+2(5901)}, {3(5085)-(11179)},{-(5446)+4(11695)},{4(5447)-(6101)}, {4(5462)-(10263)},{3(5650)-(5891)}, {-(5655)+2(10272)},{-(5690)+4(6684)},{2(5892)-(5946)}, {-(6102)+4(9729)},{4(6699)-(10264)},{4(6723)-(10113)}, {3(7618)-(8716)},{2(7619)-(9771)},{4(10165)-(10283)}	5	- 3
X(550)	{3(165)-(355)}, {-2(143)+3(9730)},{3(154)-(5878)}, {5(182)-4(6329)},{2(389)-(10263)}, {-(962)+3(10246)},{2(1216)-(5876)}, {5(1353)-4(3629)},{-3(1353)+4(8550)}, {5(1385)-4(3636)},{5(1385)-4(3636)}, {-2(1385)+9(7988)},{4(1385)-3(10283)}, {-(1482)+3(5731)},{5(1483)-4(3244)},{-(1483)+4(4297)}, {-3(1483)+4(5882)},{-(1539)+2(5972)}, {5(3098)-2(3631)},{-(3244)+5(4297)}, {-3(3244)+5(5882)},{3(3576)-2(5901)}, {9(3576)-5(11522)},{5(3579)-2(3626)},{2(3579)-(5690)}, {-4(3626)+5(5690)},{-8(3626)+14(9778)}, {-3(3629)+5(8550)},{16(3636)-15(10283)}, {9(3653)-7(9624)},{3(3654)-(5881)},{3(3655)-(7982)}, {3(3656)-(9589)},{3(3917)-2(11591)}{3(4297)-(5882)}, {2(5092)-(5480)},{-2(5446)+3(5946)},{-(5446)+2(9729)}, {2(5447)-(5907)},{-(5562)+2(10627)}, {-3(5886)+5(7987)},{3(5892)-2(10110)}, {6(5901)-5(11522)},{-3(5946)+4(9729)}, {2(6699)-(10113)},{5(6776)-(11008)}, {-(7728)+2(10272)},{-(7758)+3(8716)},{3(7967)-(8148)}, {-2(9955)+3(10165)},{-2(9956)+3(10164)},	3	- 5

	{3(11179)-(11477)}		
X(631)	{-(1)+6(10165)},{6(10)-(5881)},{-(40)+6(10164)}, {-3(51)+8(11695)},{-(52)+6(5892)},{6(165)-(329)}, {6(165)-(6361)},{-(193)+6(5050)},{-3(262)+8(6683)}, {-2(355)+7(9780)},{9(373)-4(10110)},{6(551)-(7982)}, {8(575)-3(1992)},{6(597)-(11477)},{-(944)+6(3576)}, {-2(946)+7(3624)},{6(946)-(9589)},{-(962)+6(5886)}, {8(1125)-3(5603)},{16(1153)-(5485)}, {-4(1216)+9(7998)},{-2(1352)+7(3619)}, {8(1385)-3(7967)},{-2(1482)+7(3622)}, {-(1498)+6(10192)},{2(1698)-(5818)}, {-3(2979)+8(5447)},{-3(3060)+8(5462)}, {-(3357)+6(10193)},{12(3589)-(11477)}, {3(3616)-(5734)},{5(3618)-4(5480)},{8(3634)-3(5587)}, {6(3819)-(5562)},{12(3819)-7(7799)}, {12(3819)-7(7999)},{6(3917)-(11412)}, {-4(4301)+9(5603)},{-4(4301)+21(9624)}, {6(5085)-(6776)},{-3(5102)+8(6329)}, {-4(5446)+9(5640)},{8(5462)-3(5890)}, {-2(5562)+7(7999)},{-9(5603)+14(9624)}, {-3(5657)+8(6684)},{-9(5657)+14(9588)}, {9(5657)-4(11362)},{-(5691)+6(10175)}, {-(5889)+6(9730)},{12(5943)-7(9781)}, {-12(5943)+17(11465)},{6(5946)-(6243)}, {8(6680)-3(9753)},{12(6684)-7(9588)}, {6(6684)-(11362)},{6(7619)-(7775)},{8(7619)-3(8667)}, {-4(7759)+9(9770)},{-4(7775)+9(8667)}, {-7(7989)+12(10172)},{-(7991)+36(10172)}, {-(8148)+6(10283)},{7(9588)-2(11362)}, {-7(9781)+17(11465)},{-3(9812)+8(9955)}, {-4(10263)+9(11002)}	2	- 1
X(632)	{9(373)-4(10095)},{8(575)-3(1353)},{-(576)+6(3589)}, {6(1125)-(10222)},{8(1125)-3(10283)}, {-3(1482)+14(9624)},{7(3624)-2(5901)}, {6(3819)-(6101)},{-(5446)+6(6688)},{-(5609)+6(5972)}, {-(5876)+6(10170)},{6(5892)-(6102)},	7	- 1

	{-(5894)+6(10193)},{6(5901)-(7982)}, {6(5943)-(10263)},{-3(5946)+8(11695)}, {-(10110)+6(10219)},{-4(10222)+9(10283)}		
X(858)	{2(125)-(3580)},{-(1495)+2(5972)}	E-2F	-2E-2F
X(1370)	{4(3818)-(6515)}	E	-2E-2F
X(1656)	{-(10)+6(10172)},{6(51)-(6243)},{-(52)+6(5943)}, {-4(143)+9(5640)},{-(145)+6(10283)},{-(185)+6(5892)}, {6(373)-(568)},{9(373)-4(5462)},{-(389)+6(6688)}, {-3(568)+8(5462)},{-(946)+6(10171)},{6(1125)-(5882)}, {8(1125)-3(10246)},{-2(1385)+7(3624)}, {-2(1483)+7(3622)},{-3(1656)+8(10095)}, {-3(3060)+8(10095)},{-3(3167)+8(9820)}, {-(3567)+3(11451)},{8(3589)-3(5050)},{6(3589)-(8550)}, {21(3624)-5(11522)},{6(3819)-(10625)}, {6(3828)-(11362)},{9(5050)-4(8550)}, {-4(5447)+9(5650)},{-(5493)+6(6684)}, {-(5562)+6(10170)},{6(5603)-(8148)}, {-2(5690)+7(9780)},{-3(5790)+8(9956)}, {-4(5882)+9(10246)},{-(5889)+6(5946)}, {-3(5890)+8(10095)},{8(5901)-3(10247)}, {6(5946)-(5889)},{-2(6101)+7(7999)}, {-2(6102)+17(11465)},{16(6723)-(10620)}, {9(7610)-4(7780)},{9(7988)-4(9955)},{6(5476)-(11477)}, {9(7998)-4(10627)},{3(8227)-(11522)}, {7(9624)-2(10222)},{-(9729)+6(10219)}, {-3(9730)+8(11695)},{7(9781)-2(10263)}	3	1
X(1657)	{7(40)-5(4668)},{2(185)-(6243)},{-7(355)+8(4691)}, {2(944)-(8148)},{-2(962)+3(10247)}, {2(1216)-(11381)},{-7(1351)+8(6329)}, {-3(1351)+4(8550)},{6(1385)-5(11522)}, {-7(1482)+8(3635)},{-3(1482)+4(5882)}, {2(1511)-(10721)},{3(2979)-2(5876)}, {2(3579)-(5691)},{4(3579)-3(5790)},{-3(3625)+7(5493)}, {-(3625)+21(10164)},{-6(3635)+7(5882)}, {3(3655)-2(4301)},{4(4297)-3(10246)}, {-4(5480)+5(12017)},{-2(5690)+3(9778)},	3	- 7

	{-2(5691)+3(5790)},{-(5895)+2(6759)}, {4(5901)-3(9812)},{-2(7759)+3(8716)}, {5(7987)-4(9955)}, {7(7999)-5(11439)}, {5(11444)-3(11455)}		
X(1658)	{-(156)+2(10282)}	E+8F	-3E-8F
X(2070)	{-(399)+4(1495)}	E+8F	-5E-8F
X(2071)	{-(323)+4(10564)},{-(146)+4(11064)}	E-4F	-2E+4F
X(3090)	{-(8)+8(9956)},{-(40)+8(3634)},{-2(52)+9(5640)}, {-(74)+8(6723)},{-(98)+8(6722)},{-(145)+8(5901)}, {-(145)+6(10246)},{-(185)+8(11695)},{-(329)+8(6684)}, {9(373)-2(389)},{-(944)+8(1125)},{-2(946)+9(7988)}, {-(962)+8(9955)},{10(1698)-3(5657)},{15(1698)-(7991)}, {-5(1698)+12(10172)},{-5(3567)+12(5943)}, {8(3589)-(6776)},{10(3616)-3(7967)}, {-5(3623)+12(10283)},{21(3624)-(9589)}, {6(3828)-(5493)},{8(5462)-(5889)}, {-8(5462)+15(11451)},{-(5485)+8(7617)}, {9(5603)-2(7982)},{-3(5603)+10(8227)}, {-(5603)+8(10171)},{9(5603)-4(10222)}, {9(5657)-2(7991)},{-(5657)+8(10172)}, {-5(5818)+12(10175)},{9(5886)-2(10222)}, {-(5889)+15(11451)},{-(6193)+8(9820)}, {-(6241)+8(9729)},{-(6243)+8(10095)}, {-2(6243)+9(11002)},{-(6361)+8(6684)}, {24(6688)-17(11465)},{-2(7758)+9(9770)}, {-2(7843)+9(8176)},{-(7982)+15(8227)}, {-(7982)+36(10171)},{9(7998)-2(10625)}, {-5(8227)+12(10171)},{-(9741)+8(9771)}, {16(10095)-9(11002)},{12(10170)-5(11444)}	2	1
X(3091)	{-(1)+6(3817)},{-(8)+6(5587)},{-2(10)+7(7989)}, {6(10)-(7991)},{-2(40)+7(9780)},{-(40)+6(10175)}, {6(51)-(5889)},{-2(52)+7(9781)},{-4(52)+9(11002)}, {-(145)+6(5603)},{-3(145)+8(10222)},{-3(165)+8(3634)}, {-(185)+6(5943)},{-3(193)+8(576)},{-(194)+6(262)}, {9(373)-4(9729)},{-4(389)+9(5640)},{-3(568)+8(10095)},	1	2

	{-8(575)+15(3618)},{8(575)-3(6776)},{-2(944)+7(3622)},		
	{-(944)+6(5886)},{6(946)-(7982)},{-(962)+6(1699)},		
	{8(1125)-3(5731)},{-4(1125)+9(7988)},		
	{-2(1350)+7(3619)},{-2(1350)+7(3619)},		
	{9(1699)-2(4301)},{-3(3060)+8(10110)},		
	{-(3616)+2(8227)},{-(3617)+2(5818)},		
	{-7(3622)+12(5886)},{7(3624)-2(4297)},		
	{-7(3624)+12(10171)},{12(3828)-7(9588)},		
	{-(4297)+6(10171)},{-7(4678)+12(5790)},		
	{-3(5032)+8(5476)},{6(5102)-(11008)},		
	{6(5480)-(11477)},{-2(5493)+7(9588)},		
	{-3(5603)+8(9955)},{6(5654)-(6193)},		
	{-3(5657)+8(9956)},{2(5691)+3(5731)},		
	{-(5731)+6(7988)},{-(5734)+2(11522)},		
	{-2(5882)+7(9624)},{-3(5890)+8(10110)},		
	{6(5891)-(11412)},{8(5901)-3(7967)},		
	{-(6241)+6(9730)},{8(6684)-3(9778)},		
	{-(7758)+6(7775)},{21(7989)-(7991)},		
	{-7(7999)+12(10170)},{7(7999)-2(10625)},		
	{-7(9780)+12(10175)},{14(9781)-9(11002)}		
	{-3(9955)+5(10222)},{6(10170)-(10625)}		
X(3146)	{-2(1)+3(9812)},{-(8)+2(5691)},{3(8)-2(7991)},	1	- 4
	{4(10)-3(9778)},{-4(40)+5(3617)},{2(52)-(6241)},		
	{2(64)-(5894)},{-(145)+2(962)},{-3(145)+4(7982)},		
	{-(146)+2(10721)},{-3(154)+4(5893)},{-6(165)+7(9780)},		
	{-2(185)+3(3060)},{-2(185)+3(5890)},		
	{-3(193)+4(11477)},{-(329)+2(355)},{-4(329)+7(4678)},		
	{8(355)-7(4678)},{2(355)-(6361)},{-8(389)+9(11002)},		
	{-3(568)+4(5446)},{4(576)-3(6776)},{-4(944)+5(3623)},		
	{-3(944)+4(10222)},{8(946)-7(3622)},{4(946)-3(5731)},		
	{3(962)-2(7982)},{-4(1350)+5(3620)},{6(1699)-5(3616)},		
	{-6(1699)+7(10248)},{3(1853)-2(5894)},		
	{-3(2979)+4(5907)},{3(2979)-5(11439)},		
	{-3(3241)+4(4301)},{-4(3579)+5(5818)},		
	{5(3616)-4(4297)},{-5(3616)+7(10248)},		
	{7(3622)-6(5731)},{-15(3623)+16(10222)},		

	{3(3632)-2(5493)},{3(3679)-2(5493)},{6(3817)-5(7987)}, {-4(4297)+7(10248)},{7(4678)-4(6361)}, {9(5032)-8(8550)},{-2(5609)+3(7728)}, {9(5640)-8(9729)},{3(5691)-(7991)}, {5(5734)-4(5882)},{2(5895)-(6225)}, {-4(5907)+5(11439)},{-(5925)+2(6247)}, {7(7989)-6(10164)},{-6(9730)+7(9781)}, {-(11412)+3(11455)}		
X(3153)	{-(110)+2(1568)},{-(7620)+2(8182)}	E	-2E-8F
X(3522)	{-(8)+6(165)},{-(145)+6(5731)},{6(154)-(6225)}, {-3(193)+8(8550)},{6(551)-9589)},{-(962)+6(3576)}, {-2(962)+7(3622)},{8(1125)-3(9812)}, {-3(3060)+8(9729)},{12(3576)-7(3622)}, {16(3579)-(3621)},{-(3616)+2(7987)}, {3(3616)-2(11522)},{12(3817)-7(10248)}, {6(3819)-(11381)}{-7(4678)+12(5657)}, {9(5032)-4(11477)},{-4(5493)+9(9778)}, {-3(5656)+8(10282)},{-2(5691)+7(9780)}, {-(5691)+6(10164)},{9(5731)-4(5882)}, {-3(5890)+8(9729)},{12(5892)-7(9781)}, {-(5895)+6(10192)},{9(7618)-2(7764)}, {-4(7780)+9(8182)},{-4(7780)+9(8667)}, {3(7987)-(11522)},{-7(9780)+12(10164)}	3	- 4
X(3523)	{-(8)+8(6684)},{-(145)+8(1385)},{-3(145)+8(5882)}, {-(146)+8(5972)},{9(165)-2(5493)},{8(182)-(193)}, {12(551)-5(5734)},{16(572)-9(5032)},{-(962)+8(1125)}, {-3(962)+10(11522)},{12(1125)-5(11522)}, {8(1153)-(7620)},{-(3448)+8(6699)}, {-5(3567)+12(5892)},{9(3576)-2(5882)}, {-5(3616)+12(10165)},{-(3621)+8(5690)}, {-5(3623)+12(10246)},{8(3634)-(5691)}, {8(3636)-(11531)},{9(3653)-2(10222)}, {12(3819)-5(11444)},{9(5085)-2(8550)}, {8(5092)-(6776)},{8(5447)-(11412)}, {16(5462)-9(11002)},{-2(5562)+9(7998)}, {9(5569)-2(7780)},{8(5569)-(9740)},	3	- 2

	{-9(5640)+16(11695)},{9(5650)-2(5907)}, {-3(5731)+10((7987)),{-(5889)+8(9729)}, {9(7618)-2(7781)},{9(7622)-2(7764)}, {16(7780)-9(9740)},{10(8227)-3(9812)}, {-8(10110)+15(11451)},{-(11008)+8(12007)}		
X(3524)	{4(182)-(1992)},{-(193)+10(12017)}, {-(944)+10(7987)},{-3(1351)+4(8584)}, {4(1153)-(7615)},{4(1385)-(3241)},{4(1511)-(9143)}, {2(2487)-(9812)},{-(3060)+4(5892)},{4(3576)-(7967)}, {5(3616)-2(3656)},{7(3619)-4(11178)}, {-(3679)+4(6684)},{8(3828)-5(5818)},{-(4677)+7(9588)}, {4(4745)-(5881)},{-(5032)+2(5050)},{4(5092)-(11179)}, {-(5485)+4(7610)},{-(5603)+4(10165)}, {5(5642)-2(6053)},{-(5656)+4(10192)}, {-(5657)+4(10164)},{-(5890)+4(5892)}, {4(5892)-(3060)},{4(5972)-(10706)}, {4(6699)-(9140)},{4(7618)-(9741)},{4(7622)-(9770)}, {-7(9781)+16(11695)},{-8(10110)+17(11465)}	4	- 3
X(3525)	{-6(51)+17(11465)},{18(373)-7(9781)}, {-4(576)+15(3618)},{-(944)+12(10165)}, {12(1125)-(7982)},{-5(3567)+16(11695)}, {15(3616)-4(10222)},{14(3624)-3(5603)}, {16(3634)-5(5818)},{12(3819)-(11412)}, {12(3828)-(5881)},{-4(5446)+15(11451)}, {18(5650)-7(7999)},{-(5691)+12(10172)}, {-(5889)+12(5892)},{12(6684)-(7991)}	4	- 1
X(3526)	{-(52)+8(11695)},{-(265)+8(6723)},{-(355)+8(3634)}, {9(373)-2(5446)},{9(382)-2(5446)},{-(399)+8(5972)}, {-2(1216)+9(5650)},{-(1351)+8(3589)}, {-(1351)+8(6723)},{15(1698)-(5881)}, {-3(3060)+17(11465)},{2(3357)-(5925)}, {10(3616)-3(10247)},{3(3624)-(9624)}, {9(3653)-2(5882)},{-2(4301)+9(5886)}, {15(5050)-8(12007)},{8(5462)-(6243)}, {9(5640)-2(10263)},{-5(5734)+12(5901)}, {10(5734)-3(8148)},{9(5790)-2(5881)},	5	- 1

	{-3(5890)+15(11465)},{8(5901)-(8148)}, {-2(6101)+9(7998)},{8(6699)-(10620)}, {9(7610)-2(7751)},{15(8227)-(9589)}, {-5(8567)+12(10193)},{-8(10095)+15(11451)}		
X(3528)	{-7(944)+8(3635)},{12(1385)-5(5734)}, {-8(3244)+15(7967)},{15(3576)-8(3636)}, {9(3576)-2(4301)},{-8(3626)+15(5657)}, {12(3626)-5(5881)},{12(3636)-5((4301)), {15(5085)-8(6329)},{-3(5603)+10(7987)}, {9(5603)-2(9589)},{9(5657)-2(5881)}, {-5(5818)+12(10164)},{-(6225)+8(10282)}, {9(7618)-2(7759)},{-2(7751)+9(8182)}, {15(7987)-(9589)},{12(10170)-5(11439)}	4	- 5
X(3529)	{5(40)-4(3626)},{-3(146)+4(5609)},{6(165)-5(5818)}, {3(329)-2(7991)},{-2(355)+3(9778)},{5(944)-4(3244)}, {3(944)-2((7982)),{-2(962)+3(7962)}, {-3(962)+4(10222)},{5(1350)-4(3631)}, {4(1385)-3(9812)},{6(3244)-5(7982)}, {-4(3629)+5(6776)},{6(3629)-5(11477)}, {-4(3636)+5(4297)},{16(3636)-15(5603)}, {6(3655)-5(5734)},{4(4297)-3(5603)},{2(5493)-(5881)}, {3(5656)-2(5895)},{3(5657)-2(5691)}, {6(5891)-5(11439)},{4(5907)-3(11455)}, {3(6361)-2(7991)},{3(6776)-2(11477)}, {-8(7843)+9(9770)},{9(7967)-8(10222)}, {8(9729)-7(9781)},{8(9955)-7(10248)}	2	- 5
X(3530)	{-(143)+3(5892)},{5(182)-(3629)},{5(1353)-(11008)}, {-(1353)+5(12017)},{5(1385)-(3244)}, {-4(3244)+15(5731)},{-(3626)+5(6684)}, {9(3653)-(7982)},{3(3819)-(11591)},{-(4301)+3(5901)}, {-(4301)+9(10165)},{9(5569)-(7751)}, {-3(5690)+7(9588)},{-5(5734)+9(10283)}, {9(5886)-(9589)},{-(5901)+3(10165)}, {-(6696)+3(10193)},{9(7622)-(7759)}, {-(10095)+2(11695)},{9(10164)-(11362)}, {-(11008)+25(12017)}	7	- 5

X(3533)	{20(3589)-3(5102)},{35(3624)-(11531)}, {18(5650)-(11412)}{24(6688)-7(9781)}, {18(7619)-(7781)}	6	- 1
X(3534)	{3(40)-(4677)},{-3(355)+4(4745)},{-4(597)+5(12017)}, {-(599)+2(3098)},{-2(946)+3(3653)},{2(946)-(3655)}, {4(1125)-3(2487)},{-3(1351)+4(8584)}, {-(1351)+2(11179)},{-5(1351)+8(12007)}, {-(1482)+2(3655)},{-(1482)+2(4297)},{2(1511)-(10706)}, {2(3241)-(8148)},{2(3579)-(3632)},{2(3579)-(3679)}, {3(3654)-2(4669)},{-(3655)+2(4297)}, {-2(3656)+3(10246)},{3(5085)-2(5476)}, {4(5447}-(11381)},{2(5642)-(7728)}, {-(5895)+4(10282)},{2(5731)-(10247)}, {7(7622)-6(9771)},{3(7998)-(11455)}, {-2(8584)+3(11179)},{-5(8584)+6(12007)}, {-2(8716)+3(9770)},{5(11179)-4(12007)}	5	- 9
X(3543)	{-2(329)+5(3617)},{-(329)+2(3654)},{-2(551)+3(1699)}, {4(551)-3(5731)},{-(944)+2(3656)},{-4(946)+7(10248)}, {5(962)-(11531)},{-2(1385)+3(2487)},{2(1539)-(5655)}, {-5(1992)+6(5102)},{-(3241)+3(9812)}, {5(3617)-4(3654)},{5(3617)-2(6361)}, {-5(3620)+8(3818)},{-3(3653)+4(9955)}, {2(3654)-(6361)},{-2(3655)+3(5603)},{2(4669)-(7991)}, {2(4745)-(5493)},{3(5032)-2(6776)}, {4(5446)-(6241)},{-2(5562)+5(11439)}, {2(5587)-(9778)},{-(5894)+4(6247)},{2(7620)-(9740)}, {-(9143)+2(10706)}	1	- 6
X(3544)	{18(373)-(6241)},{20(576)-3(11008)},{-(944)+18(7988)}, {-8(3626)+25(5818)},{32(3636)-15(7967)}, {-8(3636)+25(8227)},{18(3817)-(7982)}, {-3(7967)+20(8227)},{-(7991)+18(10175)}, {-(7758)+18(8176)}	4	5
X(3545)	{-(40)+4(3828)},{-(69)+4(11178)},{-(98)+4(5461)}, {3(165)-(3679)},{-(165)+4(10172)},{-(329)+10(1698)}, {4(551)-(944)},{-2(551)+5(8227)},{4(597)-(6776)}, {-(944)+10(8227)},{10(946)-(11531)},{4(1385)-(3241)},	2	3

	{10(1698)-(6361)},{-(1992)+4(5476)}, {-(2979)+4(10170)},{5(3616)-2(3655)}, {5(3618)-2(11179)},{-2(3632)+5(5818)}, {-(3632)+7(7989)},{2(3653)-(5731)},{-(3654)+4(9956)}, {-(3656)+4(9955)},{-2(3679)+5(5818)}, {-(3679)+7(7989)},{4(3817)-(5603)},{-(5485)+4(7615)}, {-(5657)+4(10175)},{-5(5818)+14(7989)}, {4(5886)-(7967)},{4(8176)-(9770)}, {-8(9729)+17(11465)},{-2(9730)+5(11451)}		
X(3627)	{2(143)-(185)},{-(329)+3(5790)},{7(355)-5(4668)}, {3(355)-(7991)},{3(568)-(6241)},{2(575)-3(5480)}, {4(576)-3(1353)},{4(946)-3(10283)},{-7(1353)+8(6329)}, {-(1482)+3(9812)},{-7(1483)+8(3635)}, {-3(1483)+4(10222)},{3(1539)-(5609)}, {5(1539)-2(6053)},{9(2487)-7(9624)}, {-3(3633)+7(7982)},{-6(3635)+7(10222)}, {-3(3655)+5(11522)},{-(4297)+2(9955)}, {15(4668)-7(7991)},{8(4691)-7(5690)}, {2(5446)-(6102)},{-3(5603)+7(10248)}, {-5(5609)+6(6053)},{3(5790)-(6361)}, {3(5819)-2(10627)},{3(5891)-2(10627)}, {2(5893)-(6759)},{2(5907)-(6101)},{-3(5946)+4(10110)}, {-3(6144)+7(11477)},{-3(9730)+4(10095)}, {2(10113)-(10264)},{-(10625)+2(11591)}, {-(11412)+5(11439)}	1	- 7
X(3628)	{-(52)+9(373)},{-(143)+3(5943)},{-(575)+3(3589)}, {5(575)-3(12007)},{8(1125)-(1482)},{-(1353)+5(3618)}, {-(1483)+5(3616)},{5(1698)-(5690)},{10(1698)-3(5790)}, {9(2487)-(9589)},{5(3589)-(12007)},{3(3819)-(10627)}, {-(5462)+3(6688)},{-(5609)+3(10272)},{9(5640)-(6243)}, {9(5650)-(10625)},{9(5886)-(7982)}, {-(5889)+17(11465)},{3(5901)-(10222)}, {-(9955)+3(10171)},{-(9956)+3(10172)}, {3(10219)-(11695)},{3(10170)-(11591)}	5	1
X(3830)	{4(143)-(6241)},{3(355)-2(4669)},{-(399)+4(1539)}, {-(399)+2(10706)},{-2(551)+3(2487)},	1	- 9

	{-(599)+2(3818)},{-(944)+7(10248)}, {-(1350)+2(11178)},{2(1539)-(10706)}, {2(1699)-(10246)},{3(3653)-2(4297)}, {-3(3654)+4(4745)},{-2(3654)+3(5790)}, {4(3656)-3(10247)},{-8(4745)+9(5790)}, {-3(5050)+4(5476)},{2(5480)-(11179)}, {-2(5876)+5(11439)},{2(7775)-(8716)}, {-(9140)+2(10113)},{2(9140)-(10620)}, {4(10113)-(10620)}		
X(3832)	{-(145)+8(946)},{-3(145)+10(5734)},{-2(185)+9(5640)}, {-5(193)+12(5102)},{-(193)+8(5480)}, {-(329)+8(9956)},{8(355)-(3621)},{-(944)+8(9955)}, {12(946)-5(5734)},{10(1698)-3(9778)}, {15(1699)-(11531)},{9(2487)-2(10222)}, {-3(3241)+10(11522)},{-(3448)+8(7687)}, {-5(3616)+12(3817)},{-5(3617)+12(5587)}, {-3(3622)+4(9624)},{-5(3623)+12(5603)}, {15(3617)-8(11362)},{-2(4297)+9(7988)}, {10(4301)-3(11531)},{-3(5102)+10(5480)}, {8(5448)-(6193)},{8(5462)-(6241)}, {5(5476)-2(12007)},{9(5587)-2(11362)}, {-3(5731)+10(8227)},{-(5889)+8(10110)}, {-2(5889)+9(11002)},{8(5893)-(6225)}, {-(5894)+8(6696)},{-(6101)+8(11017)}, {-(6361)+8(9956)},{9(7615)-2(7751)}, {-5(7987)+12(10171)},{3(7989)-(9588)}, {2(7989)-(9780)},{-2(9588)+3(9780)}, {-2(9589)+9(9812)},{-8(9729)+15(11451)}, {16(10110)-9(11002)}	1	4
X(3839)	{4(113)-(9143)},{-(145)+4(3656)},{-3(165)+4(3828)}, {4(946)-(3241)},{-(1992)+4(5480)}, {2(2487)-(5603)},{-5(3620)+8(11178)}, {7(3622)-4(3655)},{-7(3622)+16(9955)}, {-2(3654)+5(5818)},{-(3655)+4(9955)},{4(3817)-(5731)}, {-4(3828)+7(7989)},{4(4745)-(7991)},{4(5476)-(6776)}, {4(7615)-(9740)},{4(7687)-(9140)},{-(9778)+4(10175)}	1	6

X(3843)	{7(355)-2(3625)},{-3(568)+8(10110)},{7(946)-2(3635)}, {8(946)-3(10247)},{7(1351)-2(6144)},{7(1352)-2(3630)}, {7(1482)-2(3633)},{2(1699)-(5731)},{3(1699)-2(5901)}, {-3(3167)+8(5448)},{-2(3579)+7(7989)}, {-16(3635)+21(10247)},{8(4301)-3(8148)}, {-16(4691)+21(5790)},{12(4691)-7(11362)}, {9(5790)-4(11362)},{6(5946)-(6241)}, {-2(6102)+7(9781)},{-7(9588)+12(9956)}, {-7(9624)+12(9955)},{14(9624)-9(10246)}, {8(9955)-3(10246)}	1	7
X(3845)	{-(1)+3(2487)},{-(185)+4(10095)},{3(355)-(4677)}, {-(551)+2(9955)},{-(1353)+4(5480)}, {-3(1353)+4(8584)},{3(1699)-(3656)}, {-(3579)+2(3828)},{-3(3653)+5(8227)}, {-(3654)+3(5587)},{-(3655)+2(5901)},{4(4745)-3(5690)}, {3(5480)-(8584)},{-(6102)+4(10110)}, {3(7615)-(8667)},{4(7687)-(10264)}, {-(10627)+4(11017)}	1	9
X(3850)	{9(2487)-(7982)},{-3(3633)+35(11522)}, {-(3635)+7(9955)},{3(3817)-(5901)}, {-5(4668)+21(5587)},{21(5102)-5(6144)}, {-(5493)+9(10175)},{-2(5691)+3(9778)}, {-(5882)+3(5901)},{-(7781)+9(8176)}, {3(10170)-(10627)}	3	7
X(3851)	{8(946)-(8148)},{-(1482)+8(9955)}, {-3(1482)+10(11522)},{9(2487)-2(4301)}, {-(3244)+15(3817)},{-8(3244)+15(10247)}, {-8(3626)+15(5790)},{12(3636)-5(5882)}, {-8(3636)+15(5886)},{8(3817)-(10247)}, {9(5640)-2(6102)},{-(5876)+8(11017)}, {-2(5882)+9(5886)},{-(5889)+8(10095)}, {3(5891)-(11381)},{-(6241)+15(11451)}, {-(6243)+8(10110)},{12(6329)-5(8550)}, {9(7617)-2(7780)},{-2(7764)+9(8176)}, {10(8227)-3(10246)},{12(9955)-5(11522)}	3	5
X(3853)	{11(355)-4(4701)},{-3(1483)+5(5734)},	1	- 11

	{-(1483)+7(10248)},{-5(5734)+21(10248)}, {-3(10170)+4(11017)}		
X(3854)	{-3(165)+20(11522)},{-7(3622)+24(3817)}, {-7(4678)+24(5587)},{-4(5493)+21(9780)}	3	8
X(3855)	{-3(329)+14(9588)},{-(329)+12(10175)}, {-5(944)+16(3636)},{-(944)+12(3817)}, {-3(944)+14(9624)},{-4(3244)+15(5603)}, {-2(3625)+21(5587)},{-4(3526)+15(5587)}, {-24(3636)+35(9624)},{18(3817)-7(9624)}, {-3(5657)+14(7989)},{15(5818)-4(11362)}, {12(5943)-(6241)},{16(6329)-5(6776)}, {-3(6361)+14(9588)},{-(6361)+12(10175)}, {-7(9588)+18(10175)}	2	5
X(3856)	{-2(6101)+3(11455)},	5	17
X(3857)	{-(1483)+8(9955)}	5	13
X(3858)	{-(5493)+6(9956)},{-(5882)+6(9955)}, {-3(5891)+8(11017)},{-4(5882)+9(10283)}, {8(9955)-3(10283)},{5(11439)-4(11591)}	3	11
X(3861)	{13(355)-5(4816)}	1	13
X(5025)	{-(6179)+2(7755)},{-(7796)+2(7821)}, {-2(7863)+3(7870)}	$\cot^2(\omega)-1$	- 2
X(5054)	{-(355)+4(3828)},{-(399)+4(5642)},{4(551)-(1482)}, {-(568)+4(5892)},{4(597)-(1351)},{4(1125)-(3656)}, {4(1153)-(7610)},{10(3616)-(8148)},{21(3624)-(7982)}, {-(3653)+2(10165)},{2(3653)-(10246)}, {-(3654)+4(6684)},{5(3763)-2(11178)}, ({-(5655)+4(5972)},{-8(10095)+17(11465)}, {4(10165)-(10246)},{-2(11179)+5(12017)}	7	- 3
X(5055)	{-(551)+3(10165)},{-(568)+4(5943)},{5(597)-2(12007)}, {-(1351)+4(5476)},{-(1482)+10(8227)}, {-(2487)+2(3817)},{-(3241)+4(5901)}, {4(3589)-(11179)},({-(3632)+4(9956)}, {-(3654)+4(3828)},{4(3656)-(8148)},{-(3679)+4(9956)}, {-(5790)+4(10175)},{-(5886)+4(10171)}, {4(5886)-(10247)},{-2(5946)+5(11451)}	5	3

	{4(6688)-(9730)},{-(9143)+4(10272)}, {16(10171)-(10247)}		
X(5056)	{-(1)+12(10171)},{-(8)+12(10175)},{-(40)+12(10172)}, {-(145)+12(5886)},{-(185)+12(6688)},{-(355)+6(10175)}, {-4(389)+15(11451)},{-(962)+12(3817)}, {-3(3241)+14(9624)},{15(3616)-4(5882)}, {-5(3617)+16(9956)},{15(3618)-4(8550)}, {-(3621)+12(5790)},{-5(3623)+16(5901)}, {14(3624)-3(5731)},{12(3634)-(5493)}, {12(3828)-(7991)},{-(5889)+12(5943)}, {12(5892)-(6241)},{12(5943)-(5889)},{-(6225)+8(9820)}, {27(7988)-5(11522)},{45(7988)-(11531)}, {-6(9730)+17(11465)},{12(10170)-(11412)}, {25(11522)-3(11531)}	3	2
X(5059)	{-3(8)+4(5493)},{8(40)-7(4678)},{5(145)-4(11531)}, {-4(962)+5(3623)},{-3(962)+4(5882)}, {8(1125)-7(10248)},{4(1216)-3(11455)}, {3(2979)-2(11381)},{3(3241)-2(9589)}, {5(3617)-4(5691)},{-5(3617)+6(9778)}, {-7(3622)+8(4297)},{7(3622)-6(9812)}, {21(3622)-20(11522)},{-15(3623)+16(5882)}, {6(3917)-5(11439)},{4(4297)-3(9812)}, {6(4297)-5(11522)},{-9(5102)+10(8550)}, {2(7617)-(8182)},{18(9812)-5(11522)}	3	- 8
X(5066)	{2(165)-(5790)},{-(3655)+5(8227)},{-(4677)+9(5587)}, {3(5476)-(8584)},{-(5690)+7(7989)},{-(5907)+4(11017)}	5	9
X(5067)	{-2(52)+15(11451)},{-(329)+12(10164)}, {18(373)-5(3567)},{-4(389)+17(11465)}, {-(944)+14(3624)},{16(1125)-3(7967)}, {-3(1698)+4(11362)},{-2(4301)+15(8227)}, {15(5603)-2(11531)},{-5(5734)+18(5886)}, {15(5818)-2(5881)},{-(6361)+12(10164)}, {27(7988)-(9589)}	4	1
X(5068)	{-(8)+14(7989)}, {-2(185)+15(11451)}, {15(1698)-2(5493)},{-5(3616)+18(7988)},	3	4

	{21(3622)-8(5882)},{-7(3622)+20(8227)}, {16(3634)-3(9778)},{18(3817)-5(11522)}, {-7(4678)+20(5818)},{-2(5882)+15(8227)}, {-4(5907)+9(7998)}		
X(5070)	{-(52)+12(6688)},{-4(143)+15(11451)}, {-(355)+12(10172)},{-(389)+12(10219)}, {7(3624)-6(10246)},{12(3634)-(11362)}, {-(5881)+12(9956)},{12(5886)-(8148)}, {-(5925)+12(10193)},{12(5943)-(6243)}, {-6(5946)+17(11465)},{-(9589)+12(9955)}, {16(11017)-5(11439)}	7	1
X(5071)	{-2(185)+17(11465)},{-(329)+16(3634)}, {8(551)-3(7967)},{-(551)+6(10171)}, {-(962)+6(2487)},{-(3241)+6(5886)},{-(3632)+4(6684)}, {-(3632)+6(10175)},{16(3634)-(6361)}, {-2(3654)+7(9780)},{-(3679)+6(10175)}, {8(3828)-3(5657)},{-(5601)+6(7988)}, {-(6241)+16(11695)},{-(7967)+16(10171)}, {6(8667)-(9741)},{-(8716)+6(9771)}	4	3
X(5072)	{14(576)-3(6144)},{-(1482)+12(3817)}, {-3(3633)+14(10222)},{-10(4688)+21(5790)}, {-5(4668)+49(7989)},{-3(5790)+14(7989)}, {-(7982)+12(9955)},{-(7991)+12(9956)}	5	7
X(5073)	{3(355)-2(5493)},{-2(5876)+3(11455)} {-8(5882)+9(10247)},{-9(10246)+10(11522)}, {-4(6053)+5(7728)},{-(6241)+2(10263)}, {4(7843)-3(8716)},{-(399)+2(10721)}	3	- 11
X(5076)	{13(355)-8(4746)}	1	- 13
X(5079)	{-2(3244)+15(5886)},{-2(3626)+15(10175)}, {-2(3636)+15(10171)},{-2(6102)+15(11451)} {-(7982)+27(7988)}	7	5
X(5159)	{-(3292)+3(11064)}	E-5F	-E-F
X(5189)	{4(3292)-3(9143)},{-(7620)+2(8182)}	3E	-8E-8F
X(5999)	{2(98)-(385)}	$\cot^2(\omega)-1$	$-2\cot^2(\omega)$
X(6656)	{-(7760)+3(7827)},{-(7768)+3(7883)}	$\cot^2(\omega)$	- 1

X(7387)	{3(154)-2(1147)},{-(155)+2(6759)},{4(156)-3(3167)}, {-3(1853)+4(5449)}	E+2F	-3E-2F
X(7464)	{-(110)+2(10564)},{2(1531)-(10721)}	2E-4F	-5E+4F
X(7486)	{18(373)-(5889)},{-(962)+18(7988)}, {25(3618)-8(12007)},{24(3634)-7(9588)}, {18(3817)-(9589)},{-(4301)+18(10171)}, {-(5881)+18(10175)},{-7(9780)+24(10172)}, {18(10172)-(11362)}	5	2
X(7574)	{2(125)-(3581)},{2(1531)-(7728)}	3E	- 7E-16F
X(7807)	{-(7796)+3(7870)}	$\cot^2(\omega)-2$	1
X(7841)	{-(32)+2(7817)},{-2(32)+5(7851)},{-(32)+4(7861)}, {2(626)-(7801)},{8(626)-5(7881)},{-(7788)+2(7818)}, {-4(7801)+5(7881)},{-2(7816)+5(7867)}, {-4(7817)+5(7851)},{-(7817)+2(7861)}, {-5(7851)+8(7861)}	$\cot^2(\omega)$	- 3
X(7833)	{2(39)-(7812)},{4(39)-(7823)},{8(39)-5(7921)}, {-(76)+2(7810)},{-(76)+4(7830)},{-2(76)+5(7904)}, {3(598)-2(7747)},{-3(598)+5(7786)},{-2(7747)+5(7786)}, {4(7750)-(7893)},{2(7757)-(7837)},{-(7810)+2(7830)}, {-4(7810)+5(7904)},{2(7812)-(7823)}, {-4(7812)+5(7921)},{-2(7823)+5(7921)}, {8(7830)-5(7904)}	$\cot^2(\omega)+3$	- 6
X(8352)	{-(187)+2(5461)},{-2(230)+3(9166)},{-3(5215)+4(6722)}, {2(6390)-(8591)}	$\cot^2(\omega)$	- 9
X(8353)	{5(7750)-2(7826)},{2(7757)-(7762)},{2(7830)-(9466)}	$\cot^2(\omega)+4$	- 9
X(8354)	{5(7757)-(7877)},{-(7767)+4(7830)}	$2\cot^2(\omega)+5$	- 9
X(8356)	{4(39)-(7762)},{10(39)-4(7838)},{4(6683)-(7747)}, {-2(7745)+5(7786)},{-(7750)+4(7830)}, {-5(7762)+8(7838)},{-2(7767)+5(7904)}, {-(7812)+2(9300)}	$\cot^2(\omega)+2$	- 3
X(8359)	{7(39)-(7890)},{4(6683)-(7745)},{-(7767)+2(7810)}, {5(7767)-2(7826)}, {5(7786)-(7812)},{25(7786)-(7877)}, {5(7810)-(7826)}	$2\cot^2(\omega)+3$	- 3
X(8360)	{7(626)-(7882)},{4(5305)-(7754)},{-(5305)+2(7817)}, {-(7801)+5(7867)},{-(7805)+5(7817)}	$4\cot^2(\omega)-3$	- 3

X(8366)	{-(5346)+4(6680)},{4(5346)-(7754)},{16(6680)-(7754)}	$5\cot^2(\omega)-6$	3
X(8368)	{-(5305)+4(6680)}	$4\cot^2(\omega)-5$	3
X(8369)	{2(6680)-(7817)},{2(7789)-(7801)},{10(7789)-(7855)}, {5(7801)-(7855)}	$2\cot^2(\omega)-3$	3
X(8370)	{3(598)-2(7745)},{6(598)-(7762)}, {3(598)-(7812)}, {15(598)-(7877)},{4(3934)-(7750)},{2(3934)-(7810)}, {4(3934)-(7811)},{4(6683)-(7756)},{4(7745)-(7762)}, {2(7745)-(7812)},{10(7745)-(7877)},{10(7747)-(7877)}, {-(7750)+2(7810)},{-(7757)+2(9300)},{-(7762)+2(7812)}, {5(7762)-2(7877)},{5(7812)-(7877)},{-(7757)+2(9300)}	$\mathrm{Cot}^2(\omega)$	3
X(8598)	{-(148)+3(8859)},{-2(625)+3(9167)},{3(5215)-(5461)}, {2(6390)-(7840)}	$\cot^2(\omega)-6$	9
X(8703)	{3(165)-(3654)},{9(165)-(4677)},{-(597)+2(5092)}, {-(1353)+2(11179)},{-(1483)+2(3655)}, {5(1511)-2(6053)},{3(3576)-(3656)},{2(3576)-(10283)}, {3(3653)-2(5901)},{-3(3653)+5(7987)},{3(3654)-(4677)}, {-2(3656)+3(10283)},{3(4297)+(4669)}, {-2(4669)+3(5690)},{4(5447)-(5876)}, {-2(5901)+5(7987)},{3(8182)-(8667)},{4(9729)-(10263)}, {2(10272)-(10706)}	7	- 9
X(9855)	{2(99)-(7840)},{5(99)-2(7845)},{4(187)-3(8596)}, {4(187)-3(8859)},{-(385)+4(6781)},{5(7840)-4(7845)}	$\cot^2(\omega)-9$	18
X(9909)	{2(154)-(3167)}	$E+3F$	$-3E-3F$
X(10011)	{-(98)+2(230)}	1	$-\cot^2(\omega)$
X(10020)	{4(1147)-3(5656)}	$E+12F$	$3E-4F$
X(10109)	{{-(3656)+9(7988)},{-(4669)+9(10175)}, {-(4745)+3(9956)}	13	9
X(10226)	{-(5449)+3(10193)}	$-E+16F$	$3E-16F$
X(10296)	{-(110)+2(1531)}	$-E-4F$	$2E+20F$
X(10297)	{3(1568)-(3292)}	$E-2F$	$-E-10F$
X(10299)	{-2(3629)+15(5085)},{40(5092)-(11008)}	6	- 5
X(10303)	{-3(193)+16(575)},{-(962)+14(3624)}, {-3(3060)+16(11695)},{15(3616)-2(7982)}, {15(3618)-2(11477)},{21(3622)-8(10222)}, {-4(5446)+17(11465)},{-3(5890)+16(11695)},	5	- 2

	{18(5650)-5(11444)}		
X(10304)	{-(145)+4(3655)},{-(146)+4(5642)},{-(193)+8(5476)}, {-(193)+4(11179)},{4(551)-(962)},{-2(551)+5(7987)}, {-(962)+10(7987)},{-5(1992)+8(12007)}, {7(3622)-2(6361)},{7(3622)-4(3656)},{2(3653)-(5603)}, {4(3828)-(5691)},{-4(4745)+7(9588)},{4(5569)-(7620)}, {4(8182)-(9740)},{-(9812)+4(10165)}, {4(10170)-(11455)}	5	- 6
X(11001)	{3(40)-2(4669)},{5(944)-2(11531)},{-(962)+2(3655)}, {-2(3654)+3(9778)},{-2(3656)+3(5731)}, {2(3917)-(11455)},{-8(4745)+9(5657)}, {-9(5102)+10(8584)},{8(5447)-5(11439)}, {-3(5485)+4(8667)},{2(5642)-(10721)}, {7(7622)-6(8176)}	4	- 9
X(11539)	{7(3624)-(3656)}	13	- 3
X(11541)	{15(4816)-13(7991)},{-4(6053)+5(10721)}	4	- 13
X(11737)	{-(3629)+5(5476)}	11	15
X(11799)	{2(1514)-(7728)},{2(5972)-(10564)}	- E-4F	5E-4F
	{-(49)+2(5944)}	E+4F	-2E-4F
	{-4(155)+7(5944)}	E+8F	-3E-12F
	{12(154)-7(5944)}	3E+8F	-9E-4F
	{-3(399)+4(3292)}	7E-8F	-19E+8F
	{-2(3631)+5(3818)},{5(5476)-4(6329)}	1	- 15
	{-3(11008)+10(11477)}	1	- 10
	{6(1853)-(5894)},{9(7620)-4(7751)}	1	- 8
	{-2(5306)+3(9753)}	1	$-3\cot^2(\omega)$
	{-2(5305)+3(9753)}	1	$-2\cot^2(\omega)$ -1
	{3(262)-2(9300)}	1	$3\cot^2(\omega)$
	{3(262)-2(7745)}	1	$\cot^2(\omega)-2$
	{-(6241)+8(10095)},{8(7687)-(10620)}	1	11
	{-3(5032)+8(5480)}	1	12
	{8(6329)-5(11179)}	1	15
	{-(3630)+7(3818)}	1	21

	{4(1539)-(9143)}	2	- 15
	{-4(6053)+5(10706)},{3(7620)-2(8667)}, {2(7728)-(9143)},{-3(6776)+4(8584)}	2	- 9
	{6(5102)-5(6776)},{9(5485)-8(7751)}, {-3(6144)+14(8550)},{8(6329)-7(6776)}	2	- 7
	{14(5480)-(6144)}	2	7
	{-2(5346)+3(9753)}	2	$-5\cot^2(\omega)-1$
	{-2(5309)+3(9753)}	2	$-3\cot^2(\omega)-3$
	{3(262)-2(7756)}	2	$-\cot^2(\omega)-7$
	{-2(7748)+3(9753)}	2	$-\cot^2(\omega)-5$
	{-(98)+2(187)}	2	$-\cot^2(\omega)-3$
	{-2(7746)+3(9754)}	2	$-\cot^2(\omega)-1$
	{3(262)-2(7747)}	2	$\cot^2(\omega)-5$
	{3(262)-2(7753)}	2	$3\cot^2(\omega)-3$
	{-5(1353)+6(5102)}	3	- 13
	{9(7620)-8(7780)}	3	- 10
	{20(5480)-(11008)}	3	10
	{16(7843)-9(9741)}	4	- 19
	{-8(7759)+9(9741)}	4	- 11
	{7(1350)-2(3630)},{-2(6144)+7(6776)}, {-2(6144)+7(6776)},{9(7618)-4(7843)}, {-4(7758)+9(9741)}	4	- 7
	{8(8176)-(9741)},{8(9734)-(9741)}	4	9
	{-(98)+2(6781)}	4	$-\cot^2(\omega)-9$
	{-(9143)+2(10721)}	5	- 18
	{-2(5609)+3(10721)}	5	- 17

	{-15(5032)+16(12007)}	5	- 12
	{-5(576)+6(12007)},{3(1353)-(11477)}, {2(10272)-(10721)}	5	- 11
	{-5(11477)+12(12007)}	5	- 8
	{-(193)+12(5085)},{-3(193)+4(12007)}, {16(1385)-5(3623)},{15(5085)-4(12007)}, {-(6225)+12(10192)}	5	- 4
	{6(262)-(7837)}	5	$3\cot^2(\omega)$ -3
	{8(7617)-(9740)}	5	6
	{9(5485)-16(7780)}	6	- 11
	{-5(3567)+24(6688)},{-8(7764)+27(8667)}	6	1
	{-(6241)+24(6688)},{-4(7781)+27(8667)}	6	5
	{-4(5476)+5(12017)}	7	- 15
	{4(98)-(8596)},{5(5032)-4(5102)}	7	- 12
	{8(182)-3(5032)},{-(193)+16(5092)},{-(1992)+6(5085)}	7	- 6
	{18(7622)-(7758)}	7	- 4
	{25(3618)-6(5102)}	7	- 2
	{-(185)+24(10219)},{-(5889)+24(6688)}	7	2
	{6(7617)-(8667)}	7	9
	{-(1353)+4(5476)},{-2(3631)+5(11178)}	7	15
	{14(7622)-9(8667)}	8	- 9
	{20(182)-(11008)},{24(6329)-5(11477)}, {-8(7843)+27(8667)}	8	- 5
	{5(597)-2(5102)},{8(7619)-(9770)},{8(7622)-(9741)}	8	- 3
	{-(5894)+24(10193)},{-4(7759)+27(8667)}	8	- 1
	{-2(7758)+27(8667)}	8	1
	{20(8550)-3(11008)}	9	- 10
	{7(182)-2(6329)},{7(1353)-2(6144)},{-(1353)+6(5085)}, {7(1385)-2(3635)},{7(1483)-2(3633)},{21(5085)-(6144)}, {6(5092)-(8550)},{-(5890)+6(3819)},{6(5892)-(10263)}, {-(6247)+6(10193)}	9	- 7
	{-(64)+12(10193)},{-5(1351)+16(6329)}, {-4(3629)+15(5050)},{12(5892)-(6143)},	9	- 5

	{-4(8550)+15(12017)}		
	{-2(143)+9(373)},{8(1125)-(1483)},{-(1353)+8(3589)}, {-(5946)+8(10219)},{8(6723)-(10264)}, {-2(7764)+9(9771)}	9	1
	{9(373)-(6102)},{-(7781)+9(9771)}	9	5
	{-(1992)+8(5092)},{-3(5032)+10(12017)}, {9(5085)-2(8584)},{-(5485)+8(5569)}	10	- 9
	{-5(6144)+28(12007)}	10	- 7
	{-3(5102)+5(11179)}	11	- 21
	{-2(3629)+5(11179)},{-16(6329)+25(12017)}	11	- 15
	{3(182)-(8584)},{-(1992)+5(12017)}	11	- 9
	{14(182)-(6144)},{14(185)-(6144)},{14(1385)-(3633)}	11	- 7
	{10(575)-3(3629)},{-5(576)+12(6329)}, {15(5050)-(11008)},{-2(7843)+9(9771)}	11	- 5
	{6(7622)-(8716)	11	- 3
	{9(373)-(10263)},{3(6688)-(10095)},{-(7759)+9(9771)}	11	- 1
	{18(373)-(6243)},{-(7758)+18(9771)}	11	1
	{4(551)-(1483)},{4(597)-(1353)},{-(5892)+4(10219)}, {-(5946)+4(6688)}	11	3
	{-3(5102)+10(5476)}	11	9
	{5(5092)-2(6329)}	13	- 15
	{-(5032)+4(5085)}	13	- 12
	{-(1353)+8(5092)}	13	- 11
	{30(5085)-(11008)}	13	- 10
	{9(5050)-4(8584)},{6(5569)-(8667)}	13	- 9
	{9(7619)-(7843)}	13	- 7
	{18(1153)-(7751)},{18(7619)-(7759)},	13	- 5
	{36(7619)-(7758)}	13	- 4
	{-(143)+6(6688)},{-(5462)+6(10219)},	13	1
	{-(568)+8(6688)},{-(9730)+8(10219)}	13	3
	{-5(1353)+16(6329)},{-5(1483)+16(3636)}, {-(6102)+12(6688)}	13	5
	{-(11008)+10(11179)}	14	- 15

	{14(7622)-3(9770)}	14	- 9
	{40(575)-3(11008)}	14	- 5
	{-7(9781)+48(10219)}	14	- 1
	{-5(3567)+48(10219)}	14	1
	{-(6241)+48(10219)}	14	5
	{20(5476)-(11008)}	14	15
	{5(5092)-(12007)}	15	- 13
	{-8(12007)+25(12017)}	15	- 11
	{21(5050)-2(6144)}	15	- 7
	{12(6688)-(10263)},{-(5446)+12(10219)}	15	- 1
	{-(52)+24(10219)},{-(6243)+24(6688)}	15	1
	{-(5889)+48(10219)}	15	2
	{16(7619)-(9741)}	16	- 3
	{-(3629)+10(5092)}	17	- 15
	{16(1153)-(9740)}	17	- 6
	{-(1483)+4(3624)}	17	1
	{-(3630)+7(11178)}	17	21
	{-(6144)+7(11179)}	19	- 21
	{-3(5032)+16(5092)}	19	- 18
	{-4(3629)+25(12017)}	19	- 15
	{28(575)-3(6144)}	19	- 7
	{14(5476)-(6144)}	19	21
	{12(7619)-(8716)}	23	- 3
	{28(5092)-(6144)}	25	- 21
	{12(1153)-(8667)}	25	- 9
	{-(10095)+6(10170)}	27	- 1
	{28(7622)-3(9741)}	28	- 9
	{-(568)+16(10219)}	29	3
	{6(5092)-(8584)}	29	- 27
	{-2(6144)+35(12017)}	29	- 21
	{-(6102)+24(10219)}	29	5
	{-(143)+12(10219)}	29	1
	{-4(8584)+15(12017)}	31	- 27

	{24(10219)-(10263)}	31	- 1
	{-(6243)+48(10219)}	31	1
	{-4(7845)+5(8591)}	$\cot^2(\omega)$-39	108
	{-4(7813)+5(8591)}	$\cot^2(\omega)$-27	72
	{4(6781)-3(8859)}	$\cot^2(\omega)$-21	54
	{2(8588)-(8860)}	$\cot^2(\omega)$-18	27
	{-(7758)+18(9734)}	$\cot^2(\omega)$-17	$-3\cot^2(\omega)$ +17
	{-(7759)+9(9734)}	$\cot^2(\omega)$-17	$-3\cot^2(\omega)$ +19
	{-2(7843)+9(9734)}	$\cot^2(\omega)$-17	$-3\cot^2(\omega)$ +23
	{-(7781)+9(9734)}	$\cot^2(\omega)$-15	$-3\cot^2(\omega)$ +13
	{-2(7764)+9(9734)}	$\cot^2(\omega)$-15	$-3\cot^2(\omega)$ +17
	{4(9734)-(9770)}	$\cot^2(\omega)$-15	$-3\cot^2(\omega)$ +18
	{-(7775)+3(9734)}	$\cot^2(\omega)$-15	$-3\cot^2(\omega)$ +21
	{4(7782)-(7900)}	$\cot^2(\omega)$-15	24
	{2(385)-(8596)},{-(7779)+2(8591)}	$\cot^2(\omega)$-15	36
	{7(7782)-(7949)},{4(7782)-(7906)},{-4(7749)+7(7906)}	$\cot^2(\omega)$-13	18
	{4(7769)-(7941)}	$\cot^2(\omega)$-13	6
	{-(148)+4(6781)}	$\cot^2(\omega)$-11	24
	{8(7826)-5(9939)}	$\cot^2(\omega)$-11	36
	{-(7618)+2(9734)}	$\cot^2(\omega)$-9	$-3\cot^2(\omega)$ +9
	{3(598)-2(7756)},{7(7823)-4(7890)}	$\cot^2(\omega)$-9	30
	{5(7763)-2(7903)}	$\cot^2(\omega)$-7	6
	{4(99)-(7779)},{-(148)+4(187)}, {-5(7779)+8(7813)}	$\cot^2(\omega)$-7	12
	{7(7752)-(7949)}	$\cot^2(\omega)$-6	- 3
	{4(7752)-(7906)}	$\cot^2(\omega)$-5	- 6

	{-(7758)+6(9737)}	$\cot^2(\omega)$-5	-3$\cot^2(\omega)$+4
	{-(7759)+3(9737)}	$\cot^2(\omega)$-5	-3$\cot^2(\omega)$+7
	{-2(7843)+3(9737)}	$\cot^2(\omega)$-5	-3$\cot^2(\omega)$+11
	{5(99)-2(7813)},{-(148)+4(230)},{4(187)-(385)}, {-(316)+4(620)},{-2(316)+5(7925)},{8(620)-5(7925)}, {2(5215)-(9166)},{4(6390)-(7779)},{2(7799)-(7840)}	$\cot^2(\omega)$-5	6
	{-(7860)+2(7863)}	$\cot^2(\omega)$-5	10
	{2(7747)-(7757)},{8(7747)-5(7921)}, {-4(7757)}+5(7921)},{-(7802)+2(9466)}, {5(7823)-2(7877)}	$\cot^2(\omega)$-5	18
	{-(325)+4(620)},{5(325)-2(7845)},{10(620)-(7845)}	$\cot^2(\omega)$-4	3
	{7(3926)-4(7916)}	$\cot^2(\omega)$-4	6
	{2(7816)-(7818)},{8(7816)-5(7881)},{-4(7818)+5(7881)}	$\cot^2(\omega)$-4	9
	{4(625)-(6390)}	$\cot^2(\omega)$-3	- 9
	{-(6337)+4(7862)}	$\cot^2(\omega)$-3	- 3
	{-(7781)+3(9737)}	$\cot^2(\omega)$-3	-3$\cot^2(\omega)$+1
	{-2(7764)+3(9737)}	$\cot^2(\omega)$-3	-3$\cot^2(\omega)$+5
	{4(9737)-3(9770)}	$\cot^2(\omega)$-3	-3$\cot^2(\omega)$+6
	{-(7760)+3(7870)},{-(7796)+2(7863)},{2(7796)-(7946)}, {2(7821)-(7860)},{-(7821)+3(7870)},{4(7863)-(7946)}	$\cot^2(\omega)$-3	4
	{-(315)+2(7801)},{-(315)+4(7816)},{-5(315)+8(7895)}, {-(7748)+2(7817)},{-(7801)+2(7816)},{5(7801)-4(7895)}, {5(7816)-2(7895)}	$\cot^2(\omega)$-3	6
	{5(7737)-2(7798)}	$\cot^2(\omega)$-3	9
	{-2(39)+3(598)},{4(76)-(9939)},{-(194)+4(7747)}, {-(194)+2(7812)},{-5(194)+8(7838)},{2(7747)-(7812)}, {5(7747)-2(7838)},{-(7802)+2(7810)},{5(7812)-4(7838)}	$\cot^2(\omega)$-3	12
	{5(7773)-2(7903)}	$\cot^2(\omega)$-2	- 9

	{-(187)+4(6722)},{-(325)+4(625)},{5(325)-2(7813)}, {10(625)-(7813)},{10(626)-(7855)},{-2(6390)+5(7925)}, {-2(7855)+5(7788)}	$\cot^2(\omega)-2$	- 3
	{4(32)-(7754)},{5(32)-2(7805)},{-(315)+4(7789)}, {-2(315)+5(7881)},{4(6680)-(7748)},{8(6680)-5(7851)}, {-2(7748)+5(7851)},{-5(7754)+8(7805)}, {8(7789)-5(7881)},{2(7801)-(7788)}, {-(7818)+2(7880)},{-2(7842)+5(7867)}	$\cot^2(\omega)-2$	3
	{3(598)-2(9300)},{2(7745)-(7757)},{4(7747)-(7762)}, {7(7747)-(7890)},{-(7750)+2(9466)},{7(7762)-4(7890)},	$\cot^2(\omega)-2$	9
	{-(7754)+6(9753)}	$\cot^2(\omega)-2$	$2\cot^2(\omega)$ $+1$
	{-(99)+4(625)},{-2(99)+5(7925)},{4(115)-(385)}, {8(625)-5(7925)},{4(6722)-(6781)},{2(7809)-(7840)}, {-(8859)+2(9166)}	$\cot^2(\omega)-1$	- 6
	{7(7619)-6(9734)}	$\cot^2(\omega)-1$	$-3\cot^2(\omega)$ $+9$
	{-2(7765)+3(7827)},{-2(7765)+4(7829)}, {-(7768)+2(7794)},{-(7773)+2(7849)}, {-3(7827)+4(7829)},{4(7849)-3(7883)}, {-2(7873)+3(7883)}	$\cot^2(\omega)-1$	2
	{4(76)-(7893)},{5(76)-2(7826)}, {-(194)+4(7745)}, {-2(194)+5(7921)},{3(598)-2(7753)},{3(598)-(7757)}, {4(3934)-(7802)},{8(3934)-5(7904)}, {8(7745)-5(7921)},{4(7747)-(7823)},{2(7753)-(7757)}, {-2(7756)+5(7786)},{4(7767)-(9939)}, {-2(7802)+5(7904)},{-(7811)+2(9466)},{2(7812)-(7837)}, {8(7826)-5(7893)}	$\cot^2(\omega)-1$	6
	{-(3926)+4(7825)}	$\cot^2(\omega)$	- 6
	{-(5319)+2(7902)}	$\cot^2(\omega)$	- 2
	{5(7851)-3(9753)}	$\cot^2(\omega)$	$-\cot^2(\omega)$ -2
	{5(7785)-2(7905)}	$\cot^2(\omega)$	12
	{-4(7749)+7(7900)}	$\cot^2(\omega)+1$	- 24
	{4(316)-(7779)},{5(316)-2(7845)},{-5(7779)+8(7845)},	$\cot^2(\omega)+1$	- 12

	{2(7799)-(8591)}		
	{2(7760)-(7946)}	$\cot^2(\omega)+1$	- 8
	{-(315)+4(7842)},{5(315)-2(7855)},{7(315)-4(7882)}, {10(7842)-(7855)},{7(7842)-(7882)}, {-7(7855)+10(7882)}	$\cot^2(\omega)+1$	- 6
	{-(7760)+2(7765)},{-(7768)+2(7873)}, {-2(7794)+3(7883)}	$\cot^2(\omega)+1$	- 4
	{-(2549)+4(7804)},{4(4045)-(7737)},{5(7761)-2(7848)}	$\cot^2(\omega)+1$	- 3
	{-(3785)+2(8556)},{-(7736)+4(7748)}	$\cot^2(\omega)+1$	3
	{4(5475)-(7774)},{-(5861)+4(6564)}	$\cot^2(\omega)+1$	6
	{4(7748)-(7754)},{-(7818)+2(7842)},{5(7818)-4(7895)}, {5(7842)-2(7895)}	$\cot^2(\omega)+2$	- 9
	{5(2549)-2(7798)}	$\cot^2(\omega)+2$	- 6
	{-(5870)+4(9739)}	$\cot^2(\omega)+2$	$-3\cot^2(\omega)$ -3
	{6(262)-(7762)}	$\cot^2(\omega)+2$	$2\cot^2(\omega)$ -1
	{4(115)-3(8859)},{-2(187)+3(9166)),{5(316)-2(7813)}, {2(316)-(7840)},{2(325)-(8591)},{2(5461)-(6781)}, {-4(7813)+5(7840)}	$\cot^2(\omega)+3$	- 18
	{-(7801)+2(7842)},{-2(7805)+5(7748)}	$\cot^2(\omega)+3$	- 12
	{-(7858)+2(9698)}	$\cot^2(\omega)+3$	- 2
	{-2(98)+3(8859)}	$\cot^2(\omega)+3$	$-6\cot^2(\omega)$
	{3(7618)-2(9737)}	$\cot^2(\omega)+3$	$-3\cot^2(\omega)$ -3
	{9(8667)-4(9737)}	$\cot^2(\omega)+3$	$-3\cot^2(\omega)$ +6
	{3(8167)-(9737)}	$\cot^2(\omega)+3$	$-3\cot^2(\omega)$ +15
	{6(262)-(7823)}	$\cot^2(\omega)+3$	$2\cot^2(\omega)$ -4
	{3(262)-(7812)}	$\cot^2(\omega)+3$	$3\cot^2(\omega)$ -3
	{12(262)-5(7921)}	$\cot^2(\omega)+3$	$4\cot^2(\omega)$

			-2
	{4(1506)-(7783)}	$cot^2(\omega)+3$	6
	{8(7842)-5(7881)}	$cot^2(\omega)+4$	- 15
	{2(7809)-(8591)}	$cot^2(\omega)+5$	- 24
	{-(194)+4(7756)},{5(194)-2(7877)},{7(194)-4(7890)}, {10(7756)-(7877)},{7(7756)-(7890)},{4(7802)-(9939)} {-7(7877)+10(7890)}	$cot^2(\omega)+5$	- 12
	{-(5861)+4(6200)}	$cot^2(\omega)+5$	- 6
	{4(7756)-(7762)}	$cot^2(\omega)+6$	- 15
	{-(9737)+3(9771)}	$cot^2(\omega)+6$	$-3cot^2(\omega)$ +6
	{2(7756)-(7757)},{4(7756)-(7823)},{5(7756)-2(7838)}, {2(7757)-(7823)}, {4(7802)-(7893)},{-5(7823)+8(7838)}, {-4(7838)+5(7757)},{5(7904)-4(9466)}	$cot^2(\omega)+7$	- 18
	{4(7603)-(7777)}	$cot^2(\omega)+7$	6
	{2(316)-(8591)},{-2(6781)+3(9166)}	$cot^2(\omega)+9$	- 36
	{2(7756)-(7812)},{5(7802)-2(7826)}	$cot^2(\omega)+9$	- 24
	{2(7619)-(9734)}	$cot^2(\omega)+9$	$-3cot^2(\omega)$ +9
	{8(7756)-5(7921)}	$cot^2(\omega)+11$	- 30
	{5(7783)-2(7905)}	$cot^2(\omega)+11$	- 18
	{5(7777)-2(7926)}	$cot^2(\omega)+11$	- 6
	{7(7622)-2(9737)}	$cot^2(\omega)+11$	$-3cot^2(\omega)$ -3
	{-(7777)+4(8589)}	$cot^2(\omega)+15$	- 18
	{6(7619)-(9737)}	$cot^2(\omega)+21$	$-3cot^2(\omega)$ -3
	{-(1+(3)$^{1/2}$)(5872)+16(9739)}	$cot^2(\omega)+24$ $-(3)^{1/2}$	-18 $cot^2(\omega)$ -27
	{5(6390)-2(7845)}	$2cot^2(\omega)-13$	21
	{-(115)+3(5215)},{5(6390)-2(7813)}	$2cot^2(\omega)-9$	9
	{4(620)-(6390)}	$2cot^2(\omega)-7$	3
	{8(9737)-3(9741)}	$2cot^2(\omega)-6$	$-6cot^2(\omega)$

			+3
	{-(7620)+2(9756)}	$2\cot^2(\omega)-6$	$-6\cot^2(\omega)$ +9
	{-(230)+4(6722)}	$2\cot^2(\omega)-5$	- 3
	{-2(7751)+9(9756)}	$2\cot^2(\omega)-5$	$-6\cot^2(\omega)$ +1
	{2(7789)-(7818)},{7(7816)-(7882)}	$2\cot^2(\omega)-5$	9
	{-4(7805)+15(9753)}	$2\cot^2(\omega)-4$	$5\cot^2(\omega)$ +1
	{-(230)+2(5461)},{3(5215)-(6781)},{5(7925)-(8591)}	$2\cot^2(\omega)-3$	- 9
	{-4(7780)+9(9756)}	$2\cot^2(\omega)-3$	$-6\cot^2(\omega)$ -1
	{5(3734)-2(7848)}	$2\cot^2(\omega)-3$	9
	{-(7735)+4(7844)}	$2\cot^2(\omega)-2$	- 3
	{5(7795)-2(7896)}	$2\cot^2(\omega)-2$	3
	{-(7776)+4(7825)},{7(7776)-4(7916)},{7(7825)-(7916)}	$2\cot^2(\omega)-1$	- 9
	{5(626)-2(7895)},{-2(5305)+5(7851)}, {-(5306)+2(7817}},{-2(7789)+5(7867)}, {-2(7848)+5(7865)}	$2\cot^2(\omega)-1$	- 3
	{-(7798)+10(7804)}	$2\cot^2(\omega)-1$	3
	{5(7745)-2(7838)},{-(7767)+2(9466)}	$2\cot^2(\omega)-1$	9
	{-(7738)+4(7808)}	$2\cot^2(\omega)$	3
	{4(7817)-3(9753)	$2\cot^2(\omega)$	$-3\cot^2(\omega)$ -3
	{8(7861)-3(9753)	$2\cot^2(\omega)$	$-\cot^2(\omega)$ -5
	{-(5286)+4(7872)}	$2\cot^2(\omega)+1$	- 6
	{4(3934)-(7767)}	$2\cot^2(\omega)+1$	3
	{2(7617)-(9756)}	$2\cot^2(\omega)+3$	$-6\cot^2(\omega)$ +9
	{15(262)-4(7838)}	$2\cot^2(\omega)+4$	$5\cot^2(\omega)$ -1
	{2(7815)-(8556)}	$2\cot^2(\omega)+5$	- 3
	{-(5874)+4(9739)}	$2\cot^2(\omega)+7$	$-6\cot^2(\omega)$

			-9
	$\{2(5569)-(9756)\}$	$2\cot^2(\omega)+9$	$-6\cot^2(\omega)$ -9
	$\{4(1153)-(9756)\}$	$2\cot^2(\omega)+21$	$-6\cot^2(\omega)$ -9
	$\{5(7799)-2(7845)\}$	$3\cot^2(\omega)-17$	24
	$\{4(620)-(7809)\},\{-(7779)+4(7799)\}$	$3\cot^2(\omega)-13$	12
	$\{4(620)-(7799)\}$	$3\cot^2(\omega)-11$	- 6
	$\{4(5215)-(8859)\},\{5(7799)-2(7813)\},\{-2(7809)+5(7925)\}$	$3\cot^2(\omega)-11$	6
	$\{-(7788)+4(7816)\ \}$	$3\cot^2(\omega)-8$	15
	$\{4(625)-(7809)\},\{10(625)-(7845)\},\{-2(7799)+5(7925)\},$ $\{5(7809)-2(7845)\}$	$3\cot^2(\omega)-7$	- 6
	$\{10(7816)-(7855)\}$	$3\cot^2(\omega)-7$	12
	$\{4(7747)-(7837)\}$	$3\cot^2(\omega)-7$	30
	$\{4(625)-(7799)\},\{-(7779)+4(7809)\}$	$3\cot^2(\omega)-5$	- 12
	$\{-(315)+4(7880)\},\{-(7788)+4(7789)\}$	$3\cot^2(\omega)-5$	6
	$\{4(5305)-(7754)\},\{-(5309)+4(6680)\},\{-(7788)+4(7880)\},$ $\{-2(7788)+5(7881)\},\{7(7788)-4(7882)\},$ $\{-5(7788)+8(7895)\},\{8(7880)-5(7881)\},\{7(7880)-(7882)\},$ $\{5(7880)-2(7895)\},\{35(7881)-8(7882)\},$ $\{25(7881)-16(7895)\},\{-5(7882)+14(7895)\}$	$3\cot^2(\omega)-4$	3
	$\{4(626)-(7788)\},\{4(5309)-(7754)\},\{-2(5309)+5(7851)\},$ $\{-(7754)+10(7851)\},\{5(7867)-2(7880)\}$	$3\cot^2(\omega)-2$	- 3
	$\{-(7739)+4(7804)\}$	$3\cot^2(\omega)-2$	6
	$\{5(7809)-2(7813)\}$	$3\cot^2(\omega)-1$	- 24
	$\{-2(5306)+5(7851)\},\{5(5309)-2(7805)\},$ $\{-(5309)+4(7861)\},\{-(7805)+10(7861)\}$	$3\cot^2(\omega)-1$	- 6
	$\{-(194)+4(7753)\},\{4(7745)-(7837)\},\{4(7811)-(9939)\}$	$3\cot^2(\omega)-1$	12
	$\{4(4045)-(7739)\},\{4(4045)-(7798)\},\{5(7739)-2(7798)\}$	$3\cot^2(\omega)+1$	- 3
	$\{-(194)+4(9300)\},\{4(7753)-(7837)\},\{5(7753)-2(7838)\},$ $\{7(7753)-(7890)\},\{8(7753)-5(7921)\},\{-5(7837)+8(7838)\},$ $\{7(7837)-4(7890)\},\{-2(7837)+5(7921)\},$ $\{14(7838)-5(7890)\},\{-16(7838)+25(7921)\},$ $\{-8(7890)+35(7921)\}$	$3\cot^2(\omega)+1$	6

	{10(3934)-(7826)},{4(7753)-(7762)}	$3\cot^2(\omega)+2$	3
	{-(7788)+4(7842)}	$3\cot^2(\omega)+4$	- 21
	{4(6683)-(7753)},{-(7762)+10(7786)},{5(7786)-2(9300)}, {-(7762)+4(9300)}	$3\cot^2(\omega)+4$	- 3
	{15(262)-(7877)}	$3\cot^2(\omega)+5$	$5\cot^2(\omega)$ -1
	{4(39)-(7837)},{10(39)-(7877)},{-2(7753)+5(7786)}, {4(7753)-(7823)},{10(7786)-(7823)},{4(7811)-(7893)}, {-2(7811)+5(7904)},{(5(7837)-2(7877)), {-(7893)+10(7904)},{-5(7921)+8(9300)}	$3\cot^2(\omega)+5$	- 6
	{5(7811)-2(7826)},{-(7811)+4(7830)},{-(7823)+4(9300)}, {-(7826)+10(7830)}	$3\cot^2(\omega)+7$	- 12
	{10(1506)-(7905)}	$3\cot^2(\omega)+13$	6
	{4(7756)-(7837)}	$3\cot^2(\omega)+17$	- 42
	{10(7603)-(7926)}	$3\cot^2(\omega)+23$	12
	{10(3055)-(7926)}	$3\cot^2(\omega)+28$	- 3
	{-(7811)+2(9300)}	$3\cot^2(\omega)+42$	- 3
	{-(7926)+10(8589)}	$3\cot^2(\omega)+43$	- 48
	{-(98)+6(5215)}	$4\cot^2(\omega)-18$	$3\cot^2(\omega)$ +9
	{-(230)+3(5215)}	$4\cot^2(\omega)-15$	9
	{-3(8667)+4(9734)}	$4\cot^2(\omega)-9$	$-3\cot^2(\omega)$ +18
	{-(9740)+4(9756)}	$4\cot^2(\omega)-9$	$-12\cot^2(\omega)$
	{7(3788)-(7916)}	$4\cot^2(\omega)-9$	3
	{5(7789)-2(7895)}	$4\cot^2(\omega)-7$	9
	{5(7778)-2(7908)}	$4\cot^2(\omega)-5$	- 3
	{-(1384)+4(7844)}	$4\cot^2(\omega)-3$	- 9
	{-(7784)+4(7915)}	$4\cot^2(\omega)-3$	3
	{-(5305)+4(7861)},{5(7818)-(7855)}	$4\cot^2(\omega)-1$	- 9
	{7(7745)-(7890)}	$4\cot^2(\omega)-1$	15
	{5(7784)-2(7896)}	$4\cot^2(\omega)+1$	- 9
	{4(7808)-(9605)}	$4\cot^2(\omega)+1$	3

	{-(7826)+5(9466)}	$4\cot^2(\omega)+1$	9
	{21(262)-2(7890)}	$4\cot^2(\omega)+6$	$7\cot^2(\omega)$ $+1$
	{-(8596)+6(8859)}	$5\cot^2(\omega)-27$	36
	{-(316)+6(9167)}	$5\cot^2(\omega)-21$	18
	{16(620)-(7779)},{-(7809)+6(9167)}	$5\cot^2(\omega)-19$	12
	{-(325)+6(9167)}	$5\cot^2(\omega)-18$	9
	{-(7799)+6(9167)}	$5\cot^2(\omega)-17$	6
	{-2(7871)+5(7891)}	$5\cot^2(\omega)-17$	18
	{-(385)+16(6722)}	$5\cot^2(\omega)-13$	- 6
	{6(7870)-(7946)}	$5\cot^2(\omega)-11$	8
	{(7836)-2(7917)}	$5\cot^2(\omega)-11$	12
	{-(385)+6(9166)},{8(5461)-3(8859)}	$5\cot^2(\omega)-9$	- 18
	{16(625)-(7779)}	$5\cot^2(\omega)-9$	- 12
	{4(7874)-(7885)}	$5\cot^2(\omega)-9$	6
	{7(7801)-2(7882)}	$5\cot^2(\omega)-9$	12
	{5(3972)-2(5355)}	$5\cot^2(\omega)-9$	18
	{-2(7871)+5(7912)}	$5\cot^2(\omega)-7$	- 12
	{4(3972)-(7766)},{4(7820)-(7898)}	$5\cot^2(\omega)-7$	12
	{-(3314)+4(7820)},{5(3314)-2(7850)},{-(3314)+4(7853)}, {10(7820)-(7850)}	$5\cot^2(\omega)-5$	6
	{4(7867)-(7881)}	$5\cot^2(\omega)-4$	- 3
	{-2(5355)+5(7792)}	$5\cot^2(\omega)-4$	3
	{-(5346)+2(7817)}	$5\cot^2(\omega)-3$	- 6
	{-(194)+6(598)},{7(7812)-2(7890)}	$5\cot^2(\omega)-3$	24
	{-2(5346)+5(7851)},{-(7754)+16(7861)}, {7(7818)-2(7882)}	$5\cot^2(\omega)-2$	- 9
	{4(7822)-(7879)}	$5\cot^2(\omega)-2$	3
	{5(7885)-2(7917)}	$5\cot^2(\omega)-1$	- 18
	{-(5346)+4(7861)}	$5\cot^2(\omega)-1$	- 12
	{-(7847)+3(9751)}	$5\cot^2(\omega)-1$	$-5\cot^2(\omega)$ $+5$
	{4(83)-(7839)},{4(6704)-7847)}	$5\cot^2(\omega)-1$	6

	{6(598)-(7837)},	$5\cot^2(\omega)-1$	18
	{8(5355)-5(7766)},{-2(5355)+5(7790)}, {-(7766)+4(7790)}	$5\cot^2(\omega)+1$	- 12
	{16(3934)-(9939)}	$5\cot^2(\omega)+1$	12
	{-(7879)+4(7935)}	$5\cot^2(\omega)+2$	- 9
	{6(598)-(7823)},{16(3934)-(7893)}	$5\cot^2(\omega)+3$	6
	{5(7898)-2(7850)}	$5\cot^2(\omega)+5$	- 24
	{16(6683)-(7762)}	$5\cot^2(\omega)+6$	- 3
	{(-(7839)+4(7847))	$5\cot^2(\omega)+7$	- 18
	{16(6683)-(7823)},{4(7786)-(7921)}	$5\cot^2(\omega)+7$	- 6
	{-3(598)+8(6683)},{16(7830)-(9939)}	$5\cot^2(\omega)+9$	- 12
	{7(7757)-2(7890)},{16(7830)-(7893)}	$5\cot^2(\omega)+11$	- 18
	{-(5306)+4(6680)},{5(5306)-2(7805)},{10(6680)-(7805)}	$6\cot^2(\omega)-7$	3
	{-(5306)+4(7861)}	$6\cot^2(\omega)-1$	- 15
	{10(6683)-(7838)},{4(6683)-(9300)},{-2(7838)+5(9300)}	$6\cot^2(\omega)+7$	- 3
	{8(6781)-(8596)}	$7\cot^2(\omega)-69$	144
	{8(115)-(8596)},{8(187)-(8596)}	$7\cot^2(\omega)-45$	72
	{8(230)-(8596)}	$7\cot^2(\omega)-33$	36
	{8(620)-(7840)},{-5(7925)+12(9167)}	$7\cot^2(\omega)-27$	18
	{-(7813)+15(9167)}	$7\cot^2(\omega)-24$	9
	{-4(7845)+25(7925)}	$7\cot^2(\omega)-23$	6
	{-4(7813)+25(7925)}	$7\cot^2(\omega)-19$	- 6
	{-(385)+8(5461)},{8(625)-(7840)}	$7\cot^2(\omega)-15$	- 18
	{4(7835)-(7897)}	$7\cot^2(\omega)-13$	12
	{-(7847)+4(7899)}	$7\cot^2(\omega)-11$	- 6
	{8(625)-(8591)}	$7\cot^2(\omega)-9$	- 36
	{-4(7855)+25(7881)}	$7\cot^2(\omega)-8$	3
	{4(7832)-(7939)}	$7\cot^2(\omega)-7$	6
	{-(7754)+8(7817)},{25(7867)-4(7895)}	$7\cot^2(\omega)-6$	- 3
	{-(7897)+4(7934)}	$7\cot^2(\omega)-5$	- 12
	{5(7787)-2(7894)}	$7\cot^2(\omega)-5$	12
	{8(9466)-(9939)}	$7\cot^2(\omega)-5$	36
	{-4(7805)+25(7851)}	$7\cot^2(\omega)-4$	- 9

	{-(7864)+4(7889)}	$7\cot^2(\omega)-3$	6
	{12(598)-5(7921)}	$7\cot^2(\omega)-3$	30
	{-4(5368)+7(7797)}	$7\cot^2(\omega)-1$	- 12
	{4(7911)-(7939)}	$7\cot^2(\omega)+1$	- 18
	{-(7893)+8(9466)}	$7\cot^2(\omega)+1$	18
	{8(7810)-(9939)}	$7\cot^2(\omega)+3$	12
	{5(7864)-2(7894)}	$7\cot^2(\omega)+5$	- 18
	{4(7910)-(7929)}	$7\cot^2(\omega)+7$	- 24
	{-4(7877)+25(7921)}	$7\cot^2(\omega)+5$	6
	{8(6683)-(7812)},{25(7786)-4(7838)}, {8(7810)-(7893)}	$7\cot^2(\omega)+9$	- 6
	{-4(7826)+25(7904)}	$7\cot^2(\omega)+13$	- 18
	{7(7789)-(7882)}	$8\cot^2(\omega)-13$	15
	{-(7855)+25(7867)}	$8\cot^2(\omega)-7$	- 3
	{-(7801)+2(7880)}	$9\cot^2(\omega)-11$	6
	{-(7788)+10(7867)}	$9\cot^2(\omega)-8$	- 3
	{10(7753)-(7877)}	$9\cot^2(\omega)+5$	12
	{28(6683)-(7890)},{-(7877)+10(9300)}	$9\cot^2(\omega)+10$	- 3
	{32(6683)-5(7921)},{-(7837)+10(7786)}	$9\cot^2(\omega)+11$	- 6
	{-(6390)+6(9167)}	$10\cot^2(\omega)-33$	9
	{-(148)+12(5215)}	$11\cot^2(\omega)-45$	36
	{-(385)+12(5215)}	$11\cot^2(\omega)-39$	- 18
	{-(7840)+12(9167)}	$11\cot^2(\omega)-39$	18
	{35(7867)-2(7882)}	$11\cot^2(\omega)-10$	- 3
	{4(7846)-(7920)}	$11\cot^2(\omega)-7$	6
	{15(598)-4(7838)}	$11\cot^2(\omega)-3$	42
	{4(7918)-(7920)}	$11\cot^2(\omega)+1$	- 18
	{35(7786)-2(7890)}	$11\cot^2(\omega)+13$	- 6
	{10(7915)-(7896)}	$12\cot^2(\omega)-7$	3

	{-(7890)+7(9300)}	$12\cot^2(\omega)$ $+11$	3
	{16(6722)-3(8859)}	$13\cot^2(\omega)$ -33	- 18
	{10(620)-(7813)}	$13\cot^2(\omega)$ -11	6
	{40(6683)-(7877)}	$13\cot^2(\omega)$ $+15$	- 6
	{-(7845)+15(9167)}	$14\cot^2(\omega)$ -51	27
	{-(5368)+7(7852)}	$14\cot^2(\omega)-9$	- 3
	{10(7874)-(7917)}	$15\cot^2(\omega)$ -23	6
	{-2(5355)+5(7884)}	$15\cot^2(\omega)-7$	- 6
	{-(7766)+4(7884)},{-(7850)+10(7853)}	$15\cot^2(\omega)-5$	- 12
	{16(6683)-(7837)}	$15\cot^2(\omega)$ $+17$	- 6
	{21(598)-2(7890)}	$19\cot^2(\omega)-3$	66
	{10(7889)-(7894)}	$21\cot^2(\omega)-5$	6
	{24(5215)-(8596)}	$23\cot^2(\omega)$ -93	72
	{-(7779)+24(9167)}	$23\cot^2(\omega)$ -81	36
	{16(6704)-(7839)}	$25\cot^2(\omega)+3$	6
	{-(7839)+12(9751)}	$25\cot^2(\omega)+3$	-20 $\cot^2(\omega)$ $+2$
	{-(299)+2(5613)},{-(622)+2(5613)}	1	$-(3)^{1/2}$ $\cot(\omega)$
	{-(298)+2(5617)}	1	$(3)^{1/2}$ $\cot(\omega)$
	{2(6560)-(6776)}	1	$-\cot(\omega)-3$
	{2(6561)-(6776)}	1	$\cot(\omega)-3$
	{2(5868)-(6417)}	1	$-8\cot(\omega$

			)-5
	{2(5869)-(6418)}	1	8cot(ω) -5
	{-3(6776)+4(8584)}	2	- 9
	{(621)-2(5617)}	2	$(3)^{1/2}$ cot(ω)-3
	{-$(3)^{1/2}$(5863)+4(9738)}	cot(ω) -6+$(3)^{1/2}$	-3cot(ω) +6
	{-(5860)+4(6396)}	cot(ω)-5	6
	{-(1991)+2(9738)}	cot(ω) -4	-3cot(ω) +6
	{-(1353)+2(6560)}	cot(ω) -4	Cot(ω) +12
	{-(1992)+2(6560)}	cot(ω) -3	9
	{-(193)+4(6560)}	cot(ω) -2	6
	{-(5871)+4(9738)}	cot(ω) -2	-3cot(ω) +1
	{-(1351)+2(6560)}	cot(ω) -2	-cot(ω) +6
	{-(5860)+4(6565)}	cot(ω) -1	- 6
	{5(3618)-2(6561)}	cot(ω) -1	3
	{2(182)-(6560)}	cot(ω) -1	-cot(ω) -3
	{2(182)-(6561)}	cot(ω) -1	-cot(ω) +3
	{3(5863)-2(5865)}	cot(ω)	-3cot(ω) +$(3)^{1/2}$
	{3(5862)-2(5864)}	cot(ω)	- 3cot(ω)-$(3)^{1/2}$
	{5(3618)-2(6560)}	cot(ω) +1	- 3
	{-(5861)+4(6564)}	cot(ω) +1	6
	{-(193)+4(6561)}	cot(ω) +2	- 6
	{-(1351)+2(6561)}	cot(ω) +2	-cot(ω)-6

	$\{-(1992)+2(6561)\}$	$\cot(\omega)+3$	-9
	$\{-(591)+2(9739)\}$	$\cot(\omega)+4$	$-3\cot(\omega)$ -6
	$\{-(1353)+2(6561)\}$	$\cot(\omega)+4$	$\cot(\omega)$ -12
	$\{-(5861)+4(6200)\}$	$\cot(\omega)+5$	6
	$\{-(3)^{1/2}(5862)+4(9739)\}$	$\cot(\omega)$ $+6-(3)^{1/2}$	$-3\cot(\omega)$ -6
	$\{3(6561)-2(8584)\}$	$2\cot(\omega)-9$	27
	$\{-4(6329)+7(6560)\},\{-4(6329)+7(6561)\}$	$2\cot(\omega)-7$	21
	$\{-(5875)+4(9738)\}$	$2\cot(\omega)-7$	$-6\cot(\omega)$ $+9$
	$\{-2(3629)+5(6560)\}$	$2\cot(\omega)-5$	15
	$\{2(1991)-(5875)\}$	$2\cot(\omega)-5$	$-6\cot(\omega)$ $+3$
	$\{2(597)-(6561)\}$	$2\cot(\omega)-3$	9
	$\{2(1991)-(5871)\}$	$2\cot(\omega)-2$	$-6\cot(\omega)$ $+3$
	$\{4(3589)-(6561)\}$	$2\cot(\omega)-1$	3
	$\{2(591)-(1160)\}$	$2\cot(\omega)-1$	$-6\cot(\omega)$ -3
	$\{(5871)-(3)^{1/2}(5863)\}$	$2\cot(\omega)$ $-(3)^{1/2}$	$-6\cot(\omega)$ $+3$
	$\{(3)^{1/2}(5862)-(5870)\}$	$2\cot(\omega)$ $+(3)^{1/2}$	$-6\cot(\omega)$ -3
	$\{4(3)^{1/2}(5862)-(1+(3)^{1/2})(5872)\}$	$2\cot(\omega)$ $+3(3)^{1/2}$	$-6\cot(\omega)$ -3
	$\{-(1161)+(3)^{1/2}(5863)\}$	$2\cot(\omega)$ $-3+2(3)^{1/2}$	$-6\cot(\omega)$ $+3$
	$\{(3)^{1/2}(5862)-(5874)\},\{(3)^{1/2}(5863)-(5875)\}$	$2\cot(\omega)$ $+3-4(3)^{1/2}$	$-6\cot(\omega)$ $+3$
	$\{-(1160)+(3)^{1/2}(5862)\}$	$2\cot(\omega)$ $+3-2(3)^{1/2}$	$-6\cot(\omega)$ -3
	$\{4(3589)-(6560)\}$	$2\cot(\omega)+1$	-3

	{-(1161)+2(1991)}	2cot(ω) +1	-6cot(ω) +3
	{2(591)-(5870)}	2cot(ω) +2	-6cot(ω) -3
	{2(597)-(6560)}	2cot(ω) +3	- 9
	{-2(3629)+5(6561)}	2cot(ω) +5	15
	{2(591)-(5874)}	2cot(ω) +5	-6cot(ω) -3
	{3(6561)-2(8584)}	2cot(ω) +9	- 27
	{2(5865)-(3)$^{1/2}$(5871)}	3cot(ω) -(3)$^{1/2}$	-9cot(ω) +3+(3)$^{1/2}$
	{(3)$^{1/2}$(5870)-2(5964)}	3cot(ω) +(3)$^{1/2}$	-9cot(ω) -3- (3)$^{1/2}$
	{-(6144)+7(6560)}	4cot(ω) - 7	21
	{-(6144)+7(6561)}	4cot(ω) +7	- 21
	{-(1+(3)$^{1/2}$)(5873)+16(9738)}	6cot(ω) -24+(3)$^{1/2}$	-18 cot(ω) +27
	{(3)$^{1/2}$(591)-(5864)}	cot(ω) -2+(3)$^{1/2}$	-3cot(ω) -(3)$^{1/2}$
	{8(591)- (1+(3)$^{1/2}$)(5872)}	2cot(ω) +8-(3)$^{1/2}$	- 6cot(ω) -3
	{-(5321)+2(6774)}	3cot(ω) -4(3)$^{1/2}$	-3cot(ω) +6(3)$^{1/2}$
	{(3)$^{1/2}$(1991)-(5865)}	3cot(ω) +6-3(3)$^{1/2}$	-9cot(ω) +3(3)$^{1/2}$
	{2(5318)-(5611)}	3cot(ω) -3(3)$^{1/2}$	-3cot(ω) +15(3)$^{1/2}$
	{-(299)+4(624)}	3cot(ω) -2(3)$^{1/2}$	- 3(3)$^{1/2}$
	{-(395)+2(6774)}	3cot(ω) -2(3)$^{1/2}$	-3cot(ω)
	{-(16)+2(6773)},{2(395)-(5615)},{2(624)-(5613)}	3cot(ω) -(3)$^{1/2}$	-3cot(ω) -3(3)$^{1/2}$

	{2(13)-(5611)}	$3\cot(\omega)$ $-(3)^{1/2}$	$-3\cot(\omega)$ $+9(3)^{1/2}$
	{3(5862)-2(5864)}	$3\cot(\omega)$	$-9\cot(\omega)$ $-3(3)^{1/2}$
	{2(14)-(5615)}	$3\cot(\omega)$ $+(3)^{1/2}$	$-3\cot(\omega)$ $-9(3)^{1/2}$
	{2(396)-(5611)},{2(623)-(5617)},{-(15)+2(6771)}	$3\cot(\omega)$ $+(3)^{1/2}$	$-3\cot(\omega)$ $+3(3)^{1/2}$
	{-(396)+2(6771)}	$3\cot(\omega)$ $+2(3)^{1/2}$	$-3\cot(\omega)$
	{-(298)+4(623)}	$3\cot(\omega)$ $+2(3)^{1/2}$	$3(3)^{1/2}$
	{2(5321)-(5615)}	$\cot(\omega)$ $+(3)^{1/2}$	$-\cot(\omega)$ $-5(3)^{1/2}$
	{-(5318)+2(6771)}	$3\cot(\omega)$ $+4(3)^{1/2}$	$3\cot(\omega)$ $-6(3)^{1/2}$
	{$(3)^{1/2}$(5862)-(5874)}	$6\cot(\omega)$ $+9-12(3)^{1/2}$	-18 $\cot(\omega)+9$
	{$(3)^{1/2}$(6863)-(5875)}	$6\cot(\omega)$ $-9-12(3)^{1/2}$	-18 $\cot(\omega)+9$
	{$4(3)^{1/2}$(5863)-$(1+(3)^{1/2})$(5873)}	$6\cot(\omega)$ $-9(3)^{1/2}$	-18 $\cot(\omega)+9$
	{$(3)^{1/2}$(5862)-(1160)}	$6\cot(\omega)$ $+9-6(3)^{1/2}$	-18 $\cot(\omega)-9$
	{8(5865)-$(3)^{1/2}$(5875)}	$6\cot(\omega)$ $+3-4(3)^{1/2}$	-18 $\cot(\omega)$ $3+4(3)^{1/2}$
	{8(5865)- $(3+(3)^{1/2})$(5873)}	$6\cot(\omega)$ $-3(3)^{1/2}$	-18 $\cot(\omega)$ $3+4(3)^{1/2}$
	{4(5871)-$(1+(3)^{1/2})$(5873)}	$6\cot(\omega)$ $-(3)^{1/2}$	-18 $\cot(\omega)+9$
	{4(1160)-$(1+(3)^{1/2})$(5872)}	$6\cot(\omega)$ $+6-2(3)^{1/2}$	-18 $\cot(\omega)-9$
	{4(1161)-$(1+(3)^{1/2})$(5873)}	$6\cot(\omega)$	-18

		$-6+(3)^{1/2}$	$\cot(\omega)+9$
	$\{4(5870)-(1+(3)^{1/2})(5872)\}$	$6\cot(\omega)$ $+(3)^{1/2}$	-18 $\cot(\omega)-9$
	$\{8(5864)-(3+(3)^{1/2})(5872)\}$	$6\cot(\omega)$ $+3(3)^{1/2}$	-18 $\cot(\omega)$ $-3-4(3)^{1/2}$
	$\{8(1991)-(1+(3)^{1/2})(5873)\}$	$6\cot(\omega)$ $+3-8(3)^{1/2}$	-18 $\cot(\omega)+9$
	$\{2(5864)-(3)^{1/2}(5874)\}$	$6\cot(\omega)$ $-3+4(3)^{1/2}$	-18 $\cot(\omega)$ $-9-4(3)^{1/2}$
	$\{-(1161)+(3)^{1/2}(5863)\}$	$6\cot(\omega)$ $-9+6(3)^{1/2}$	-18 $\cot(\omega)+9$
	$\{4(3)^{1/2}(5862)-(1+(3)^{1/2})(5872)\}$	$6\cot(\omega)$ $-9+9(3)^{1/2}$	-18 $\cot(\omega)-9$
	$\{-(5615)+4(6774)\}$	$9\cot(\omega)$ $-5(3)^{1/2}$	$-9\cot(\omega)$ -9
	$\{-(5611)+4(6771)\}$	$9\cot(\omega)$ $+5(3)^{1/2}$	$-9\cot(\omega)$ $+9$