

Table S-coefficients (G, H) of X(\*) in ETC Part 19

X(*)	G(a, b, c)	H(a, b, c)
X(36001)	$(E-5F)a^2+2abc,$	$-(4E-5F)a^2-6abc$
X(36002)	$a^2S^2$	$-a^2S^2-3abc$
X(36003)	$(E+2F)a^2-4abc-2a^2S^2$	$6abc$
X(36004)	$8S^2-abc$	$-12S^2$
X(36005)	$5$	$-9$
X(36006)	$6S^2-5abc$	$-6S^2$
X(36007)	$(E+3F)a^2+2abc+a^2S^2$	$-2(E+F)a^2$
X(36008)	$a^2S^2-(E-2F)abc$ $-Ea^2S^2+a^2S_B S_C$	$a^2S^2-2(E+F)abc+a^2S_B S_C$
X(36009)	$-2F$	$(3E+2F)a^2+2abc$
X(36010)	$2Fa^2S_B S_C$	$Ea^2S^2+2abcS^2-2(E+F)a^2S_B S_C$
X(36011)	$(E-2F)a^2+2abc+a^2S^2$	$(E+F)a^2$
X(36012)	$2(E+F)a^2+3abc+a^2S^2$	$-2(2E+F)a^2-4abc-a^2S^2$
X(36013)	$(E-F)a^2+4abc+3a^2S^2$	$(E+F)a^2-3a^2S^2$
X(36014)	$2(E+F)F+2S^2+(E-F)ab$ $-abS_C$	$-2(E+F)^2-2S^2+(E+F)ab+abS_C$
X(36015)	$(E+F)(E-F)a^2-2a^2S^2$ $+(E-2F)abc+Ea^2S^2-a^2S^2$	$(E+F)^2a^2+2a^2S^2+2(E+F)abc$ $+a^2S^2$
X(36016)	$3a^2+(3E+5F)abc-Fa^2S^2$ $+a^2S^2-a^2S_B S_C$	$-2a^2S^2-4(E+F)abc$
X(36017)	$2a^2S^2+(E-2F)abc+Fa^2S^2$ $+a^2S^2$	$-3a^2S^2-2(E+F)abc-2a^2S^2$ $+a^2S_B S_C$
X(36018)	$a^2S^2+(E+3F)abc+Fa^2S^2$ $+a^2S^2$	$-a^2S^2-2(E+F)abc-2(E+F)a^2S^2$
X(30019)	$2(E+F)F+(E-F)ab-abS_C$	$2S^2+(E+F)ab-abS_C$
X(36020)		
X(36021)	$Fa^2S^2+2abcS^2+a^2S^2$ $-(E+F)a^2S_B S_C,$	$-2(E+F)a^2S^2+a^2S^2$
X(36022)	$(E+F)(E+4F)+(2E+3F)ab$ $-abS_C$	$-2(E+F)^2+2S^2-(E+F)ab-abS_C$
X(36023)	$4(E+F)a^2+6abc+2a^2S^2$	$-(11E+5F)a^2-12abc-3a^2S^2$
X(36024)	$(5E+F)a^2S^2+2(E+F)^2abc$	$-(E+F)a^2S^2-a^2S^2-4abcS^2$

	$+4abcS^2+3aSa_S S^2+2aSa_A^3 S$	
X(36025)	$(E+F)(E-F)aS+(E-2F)abc$ $-F Sa_S a_S$	$(E+F)^2 aS+aS S^2+2(E+F)abc$ $+aSa_A^2 S -aSa_B Sa_C S$
X(36026)	$2(E^2+6EF-4F^2)aS S^2$ $-8aSa_S S^4 - 2(E-8F)aSa_A S S^2$ $-8(E+F)(E-8F)aSa_A^2 S$ $+6(5E-4F)F Sa_B Sa_C S$ $-8aSa_B Sa_C S S^2$	$-3(E^2+20EF-8F^2)aS S^2+24aSa_S S^4$ $+2(E-8F)aSa_A S S^2$ $-(5E^2+46EF-40F^2)aSa_B Sa_C S$ $+24aSa_B Sa_C S S^2$
X(36027)	$(E-F)aS + abc$	$-2EaS - aSa_A S - 4abc$
X(36028)	$2(E+F)aS+aSa_A S+3abc$	$-(7E+3F)aS -2aSa_A S-8abc S$
X(36029)		
X(36030)		
X(36031)		
X(36032)	$2(E+F)^2(E-2F)aS S^2-2(E+10$ $F)aS S^4-(E+F)(E-8F)aSa_A S$ $S^2 -2(E-8F)aSa_A S S^4+(E+F)^2$ $(E+4F)aSa_B Sa_C S-4(2E-7F)$ $aSa_B Sa_C S S^2$	$-3(E+F)^2(E+4F) aS S^2+3(5E-4F)$ $aS S^4+(E+F)(E-8F)aSa_A S S^2$ $-4(E+F)^3 aSa_B Sa_C S+3(5E-4F)$ $aSa_B Sa_C S S^2$
X(36154)	$(E-2F)aS-2aSa_A S$	$-2(E+F)aS+6aSa_A S$
X(36155)	$(E-5F)aS-aSa_A S$	$-(E+F)aS+3aSa_A S$
X(36156)	$-6(E+F)^2 F+(E+10F)S^2$	$2(E+F)^2-(5E+14F)S^2$
X(36157)	$-8(E+F)^2 F+3(E-2F)S^2$	$2(E+F)^2-(7E-2F)S^2$
X(36158)	$(E-5F)aS-aSa_A S$	$-(2E-7F)aS+3aSa_A S$
X(36159)	$(E^2+12EF+56F^2)-8S^2$	$-(5E^2+36EF+40F^2)+24S^2$
X(36160)	$(E^2+6EF-4F^2)-4S^2$	$-(5E^2+2EF-12F^2)+12S^2$
X(36161)	$-(11E+10F)F+4S^2$	$(3E^2+8EF+14F^2)-12S^2$
X(36162)	$-(4E-5F)F+S^2$	$(11E-7F)F-3S^2$
X(36163)	$(E+F)(E-2F)-2S^2$	$-2(E+F)^2+6S^2$
X(36164)	$-18(E-2F)F+4S^2$	$(E^2+38EF-44F^2)-12S^2$
X(36165)	$(E+F)^2(E-2F)-2(E+F)S^2$	$-2(E+F)^3+(7E-2F)S^2$
X(36166)	$-6(E+F)^2 F+(E-10F)S^2$	$(E+F)^2(E+10F)-6(E+F)S^2$
X(36167)	$2(E-8F)S^2-(E-2F)abc aS$ $+2abc aS a_A S$	$-2(E-8F)S^2+2(E+F)abc aS$ $-6abc aS a_A S$
X(36168)	$-12(E+F)^2 F$ $(E^2+12EF+56F^2)S^2$	$4(E+F)^4 -18(E+F)(E-2F)S^2$

X(36169)	$(E^2+5EF+4F^2)-4S^2$	$-(2E^2+31EF-52F^2)+12S^2$
X(36170)	$-6(E+F)^2F+(E+10F)S^2$	$2(E+F)^3-9(E-2F)S^2$
X(36171)	$-(E+4F)\$a\$+4\$a\$a_A\$$	$4(E+F)\$a\$-12\$a\$a_A\$$
X(36172)	$(E^2+20EF-8F^2)-8S^2$	$-2(E^2+38EF-44F^2)+24S^2$
X(36173)	$-(E+F)^2(E+4F)+(5E-4F)S^2$	$2(E+F)2(E+10F)-12(E+F)S^2$
X(36174)	$(E+F)^2(E+4F)-(5E-4F)S^2$	$-4(E+F)^3+18(E-2F)S^2$
X(36175)	$(E+4F)abc\$a\$-4abc\$a\$a_A\$$	$4(E-8F)S^2-4(E+F)abc\$a\$$ $+12abc\$a\$a_A\$$
X(36176)	$(E+F)(E+4F)F-4FS^2$	$-4(E+F)^2F+(E+4F)S^2$
X(36177)	$(E+F)(E-14F)+2S^2$	$(E+F)(E+10F)-6S^2$
X(36178)	$-(5E+14F)F+2S^2$	$(E+F)(7E+10F)-6S^2$
X(36179)	$-(7E-2F)F+2S^2$	$(E^2+13EF-6F^2)-6S^2$
X(36180)	$6(E+F)^2F+(E-26F)S^2$	$-2(E+F)^3+3(E+10F)S^2$
X(36181)	$-(E+F)(E+4F)+4S^2$	$4(E+F)^2-12S^2$
X(36182)	$-(E+F)^2(E+4F)+(5E-4F)S^2$	$4(E+F)^3-2(7E-2F)S^2$
X(36183)	$-2(E+F)^2F+(E-2F)S^2$	$(E+F)^2(E-2F)-2(E+F)S^2$
X(36184))	$-(E^2+20EF-8F^2)+8S^2$	$(5E^2+28EF+104F^2)-24S^2$
X(36185)	$(E-8F)S^2$ $+(3)^{1/2}\{(E+F)(E-2F)-2S^2\}S$	$-2(3)^{1/2}\{(E+F)^2-3S^2\}S$
X(36186)	$-(E-8F)S^2$ $+(3)^{1/2}\{(E+F)E-2S^2\}S$	$-2(3)^{1/2}\{(E+F)^2-3S^2\}S$
X(36187)	$(E+F)^2(E-2F)-2(E+F)S^2$	$-2(E+F)^3+(5E+14F)S^2$
X(36188)	$3(E^2+8F^2)-8S^2$	$-8(E+F)^2+24S^2$
X(36189)	$-(E+F)(5E-4F)F+(E+4F)S^2$	$(E+F)^2(E+4F)-(5E-4F)S^2$
X(36190)	$(E^2-10F^2)-2S^2$	$-2(E+F)^2+6S^2$
X(36191)	$6(E+F)F^2-2FS^2$	$-2(E+F)^2F+(E-2F)S^2$
X(36192)	$(E^2-2EF+6F^2)-2S^2$	$-2(E+F)^2+6S^2$
X(36193)	$(7E^2-30EF+48F^2)-16S^2$	$-(19E^2-58EF+16F^2)+48S^2$
X(36194)	$(E+F)(2E-7F)-3S^2$	$-3(E+F)^2+9S^2$
X(36195)	$\$a\$a_A^2(S_B-S_C)\$$ $-3F\$a\$a_A(S_B-S_C)\$$	$-3\$a\$a_A^2(S_B-S_C)\$$ $+(E+F)\$a\$a_A(S_B-S_C)\$$
X(36196)	$(E+F)^2(E+10F)-6(E-F)S^2$	$-6(E+F)^3+27(E+2F)S^2$
X(36436)	$10-6(3)^{1/2}$	$6-3(3)^{1/2}$
X(36437)	$7+3(3)^{1/2}$	$-15+3(3)^{1/2}$
X(36438)	$25-6(3)^{1/2}$	$3-6(3)^{1/2}$

X(36439)	$7+3(3)^{1/2}$	$3+3(3)^{1/2}$
X(36445)	$-1+3(3)^{1/2}$	$12+3(3)^{1/2}$
X(36448)	$10+9(3)^{1/2}$	$36+9(3)^{1/2}$
X(36454)	$5+3(3)^{1/2}$	$6+3(3)^{1/2}$
X(36455)	$7-3(3)^{1/2}$	$-15-3(3)^{1/2}$
X(36456)	$25+6(3)^{1/2}$	$3+6(3)^{1/2}$
X(36457)	$7-3(3)^{1/2}$	$3-3(3)^{1/2}$
X(36463)	$1+3(3)^{1/2}$	$-12+3(3)^{1/2}$
X(36466)	$-10+9(3)^{1/2}$	$-36+9(3)^{1/2}$
X(36473)	$2(E+F)$	$2(E+F)-\$ab\$$
X(36474)	$\$ab\$$	$2(E+F)-\$ab\$$
X(36477)	$2(E+F)+\$ab\$$	$-2(E+F)+\$ab\$$
X(36484)	$8(E+F)$	$-3(E+F)+2\$ab\$$
X(36489)	$2(E+F)$	$-2(E+F)+\$ab\$$
X(36490)	$2(E+F)+\$ab\$$	$-6(E+F)+3\$ab\$$
X(36495)	$(E+F)\$a\$-\$a\$a\$$	$(E+F)\$a\$-\$a\$a\$-abc$
X(36496)	$abc$	$(E+F)\$a\$-\$a\$a\$-abc$
X(36510)	$(E+F)\$a\$-\$a\$a\$$	$-(E+F)\$a\$+\$a\$a\$+abc$
X(36512)	$(E+F)\$a\$-\$a\$a\$+abc$	$-3(E+F)\$a\$-3\$a\$a\$+3abc$
X(36526)	$3F+4\$ab\$$	$-8(E+F)+4\$ab\$$
X(36527)	$2(E+F)+3\$ab\$$	$-2(E+F)+\$ab\$$
X(36530)	$2(E+F)+\$ab\$$	$2(E+F)-\$ab\$$
X(36539)	$2(E+F)F+4ab\$F$	$-2(E+F)^2+(E+F)\$ab\$$
X(36543)	$2\$ab\$$	$2(E+F)-\$ab\$$
X(36551)	$2(E+F)+\$ab\$$	$6(E+F)-3\$ab\$$
X(36557)	$-abc$	$(E+F)\$a\$-\$a\$a\$-abc$
X(36558)	$(E+F)\$a\$-\$a\$a\$-3abc$	$-(E+F)\$a\$+\$a\$a\$+abc$
X(36561)	$(E+F)\$a\$-\$a\$a\$+abc$	$(E+F)\$a\$-\$a\$a\$-abc$
X(36562)	$(E+F)F\$a\$-F\$a\$a\$$ $-(E+2F)abc$	$-(E+F)^2\$a\$+(E+F)\$a\$a\$$ $+(E+F)abc$
X(36571)	$(E+F)F\$a\$-F\$a\$a\$+Fabc$	$-(E+F)^2\$a\$+(E+F)\$a\$a\$+(E+F)abc$
X(36575)	$2abc$	$(E+F)\$a\$-\$a\$a\$-abc$
X(36583)	$(E+F)\$a\$-\$a\$a\$+abc$	$3(E+F)\$a\$-3\$a\$a\$-3abc$
X(36651)	$2(E+F)$	$2(E+F)+\$ab\$$
X(36652)	$E+F$	$E+F-\$ab\$$

X(36653)	$4(E+F)$	$4(E+F)+4ab$
X(36654)	$4a^2S^2+4a^2S_A^2-2a^2S_B S_C$ $-2(E+F)-ab$	$2a^2S^2$
X(36655)	$-S$	$2(E+F)-S$
X(36656)	$S$	$2(E+F)+S$
X(36657)	$-S$	$4(E+F)-S$
X(36658)	$S$	$4(E+F)+S$
X(36659)	$ab$	$2(E+F)+ab$
X(36660)	$-ab$	$(E+F)-ab$
X(36661)	$4F-ab$	$-ab$
X(36662)	$4a^2S^2+4a^2S_A^2-2a^2S_B S_C$	$-2a^2S^2$
X(36663)	$ab$	$4(E+F)+ab$
X(36664)	$2(E+F)$	$2(E+F)-S$
X(36665)	$2(E+F)$	$4(E+F)+S$
X(36666)	$4(E+F)$	$4(E+F)-S$
X(36667)	$4(E+F)$	$4(E+F)+S$
X(36670)	$7(E+F)$	$(E+F)-8ab$
X(36671)	$(E+F)$	$2(E+F)+ab$
X(36672)	$(E+F)+ab$	$ab$
X(36673)	$(E+F)+ab$	$2(E+F)+ab$
X(36674)	$ab$	$-2(E+F)-ab$
X(36675)	$ab$	$2(E+F)+3ab$
X(36676)	$(E+F)+2ab$	$2(E+F)+4ab$
X(36677)	$2(E+F)+2ab$	$2(E+F)+3ab$
X(36678)	$-S$	$2(E+F)+2ab-S$
X(36679)	$S$	$2(E+F)+2ab+S$
X(36680)	$2(E+F)+2ab$	$2(E+F)+2ab-S$
X(36681)	$2(E+F)+2ab$	$2(E+F)+2ab+S$
X(36682)	$2(E+F)$	$(E+F)-ab$
X(36683)	$2(E+F)$	$3(E+F)+ab$
X(36684)	$2(E+F)+2ab$	$(E+F)+2ab$
X(36685)	$-ab$	$4(E+F)+3ab$
X(36686)	$ab$	$4(E+F)+5ab$
X(36687)	$(E+F)+4ab$	$(E+F)+2ab$
X(36688)	$-S$	$(E+F)+ab-S$

X(36689)	S	$(E+F)+\$ab\$+S$
X(36690)	$(E+F)+\$ab\$$	$(E+F)+\$ab\$-S$
X(36691)	$(E+F)+\$ab\$$	$(E+F)+\$ab\$+S$
X(36692)	$2(E+F)-\$ab\$$	$-2\$ab\$$
X(36693)	$2(E+F)+\$ab\$$	$2\$ab\$$
X(36694)	$(E+F)-\$ab\$$	$-2\$ab\$$
X(36695)	$(E+F)+\$ab\$$	$2\$ab\$$
X(36697)	$2(E+F)$	$-2(E+F)-\$ab\$$
X(36698)	$(E+F)abc-\$aS_A^2\$$	0
X(36699)	$4(E+F)$	$-4(E+F)-\$ab\$$
X(36700)	$\$ab\$$	$-\$ab\$-S$
X(36701)	$2(E+F)$	$-2(E+F)-S$
X(36702)	$4(E+F)$	$4(E+F)+S$
X(36703)	$2(E+F)$	$-2(E+F)+S$
X(36704)	$\$ab\$$	$-\$ab\$+S$
X(36705)	$4(E+F)$	$-4(E+F)+\$ab\$$
X(36706)	$\$ab\$$	$(E+F)-\$ab\$$
X(36707)	$\$ab\$$	$4(E+F)-\$ab\$$
X(36708)	S	$\$ab\$-S$
X(36709)	S	$2(E+F)-S$
X(36710)	S	$2\$ab\$-S$
X(36711)	S	$4(E+F)-S$
X(36712)	-S	$4(E+F)+S$
X(36713)	-S	$2\$ab\$+S$
X(36714)	-S	$2(E+F)+S$
X(36715)	-S	$\$ab\$+S$
X(36716)	$-\$ab\$$	$4(E+F)+\$ab\$$
X(36717)	$4(E+F)$	$-4(E+F)-S$
X(36718)	$4(E+F)+S$	$-12(E+F)+3S$
X(36719)	$2(E+F)+S$	$-6(E+F)+3S$
X(36720)	$4(E+F)+\$ab\$$	$-12(E+F)+3\$ab\$$
X(36721)	$(E+F)+\$ab\$$	$3(E+F)-3\$ab\$$
X(36722)	$(E+F)+\$ab\$$	$-3(E+F)+3\$ab\$$
X(36723)	$2(E+F)+S$	$6(E+F)-3S$
X(36724)	$4(E+F)+S$	$12(E+F)-3S$

X(36725)	$4(E+F)-S$	$12(E+F)+3S$
X(36726)	$2(E+F)-S$	$6(E+F)+3S$
X(36727)	$4(E+F)-\$ab\$$	$12(E+F)+3\$ab\$$
X(36728)	$\$a\$S^2+2\$a\$S_A^2\$-2\$a\$S_B\$S_C\$$ $-2(E+F)abc$	$-3\$a\$S^2$
X(36729)	$2(E+F)-\$ab\$$	$6(E+F)+3\$ab\$$
X(36730)	$2(E+F)-\$ab\$$	$-6(E+F)-3\$ab\$$
X(36731)	$\$a\$S^2+2\$a\$S_A^2\$-2\$a\$S_B\$S_C\$$ $-2(E+F)abc$	$3\$ab\$S^2$
X(36732)	$4(E+F)-\$ab\$$	$-12(E+F)-3\$ab\$$
X(36733)	$2(E+F)-S$	$-6(E+F)-3S$
X(36734)	$4(E+F)-S$	$-12(E+F)-3S$
X(36837)	$9E^2+80EF+128F^2+64S^2$	$-27E^2-112EF-128F^2+64S^2$
X(36947)	$(E-2F)S^2-4(E^2-3EF-F^2)F$	$-2(E-F)S^2+8(E^2-2EF-2F^2)F$
X(37009)	$2F\$a\$-abc$	$-(E+F)\$a\$+\$a\$S_A\$+3abc$
X(37010)	$2(E+F)(E-3F)\$a\$+2\$a\$S^2$ $+2(E-2F)abc-2F\$a\$S_A\$$	$-3\$a\$S^2-4(E+F)abc-(E+F)\$a\$S_A\$$ $+\$a\$S_A^2\$+\$a\$S_B\$S_C\$$
X(37011)		
X(37012)	$(E+F)^3-(E+F)S^2$ $-2(E+F)2\$ab\$+5\$ab\$S^2$ $+3\$ab\$S_C^2\$-3\$ab\$S_A\$S_B\$$	$2(E+F)S^2-\$ab\$S^2$
X(37013)	$(E+F)^4+(E+F)(3E-5F)S^2$ $-4(E+F)^3\$ab\$+8E\$ab\$S^2$ $+114ab\$S_C\$S^2+54ab\$S_A^3\$$ $-6(E+F)\$ab\$S_A\$S_B\$$	$5(E+F)^2S^2+S^4-2(E+F)\$ab\$S^2$ $-2\$ab\$S_C\$S^2$
X(37014)	$2(E+F)F\$a\$-(E-8F)abc$ $-(E-2F)\$a\$S_A\$$	$-2(E+F)^2\$a\$+3\$a\$S^2+(E+F)\$a\$S_A\$$ $+3\$a\$S_A^2\$+3\$a\$S_B\$S_C\$$
X(37015)		
X(37016)		
X(37017)	$2E\$a\$S^2-(E+F)^2abc$ $-3\$a\$S_A^2\$-\$a\$S_A^3\$$	$-3abcS^2+2\$a\$S_A^2S^2$
X(37018)	$2(E+F)F\$a\$+\$a\$S^2$ $-(E+4F)abc-F\$a\$S_A\$-\$a\$S_A^2\$ -$ $\$a\$S_B\$S_C\$$	$-2(E+F)^2\$a\$+4(E+F)abc$ $+2(E+F)\$a\$S_A\$+2\$a\$S_A^2\$+2\$a\$S_B\$S_C\$$
X(37019)		

X(37020)	$2(E+F)^2(E-F)a$ $+(E-F)aS^2+(E+F)Eabc$ $-(E+F)FSA+(E-F)SA^2$ $+(E-F)SBS$	$-(2E+F)aS^2-2(E+F)^2abc-2abcS^2$ $-(E+F)^2SA-(E+F)SA^2$ $-(E+F)SBS$
X(37021)		
X(37022)	$SA-3abc$	$-SA+5abc$
X(37023)	$4(E+F)S^2+(E+F)^2ab$ $+3abS^2-(E+F)abS$	$-4(E+F)S^2-3abS^2$
X(37024)	$2(E+F)^2+2abS$	$2S^2$
X(37025)	$3(E+F)^3+(E+F)S^2$ $+6(E+F)^2ab-4abS^2$ $-2abS^2+2abSAS$	$-4(E+F)S^2-2abS^2$
X(37026)	$(E+F)^4-(E+F)(13E+7F)S^2$ $-4S^4-2(10E+9F)abS^2$ $+11SBS+abS^3$	$9(E+F)^2S^2+5S^4+20(E+F)abS^2$ $-12abS^2$
X(37027)	$(E+F)^3-(E+F)S^2+abS^2$ $+abS^2-SASB$	$2(E+F)S^2+abS^2$
X(37028)	$2Fa$	$-2Fa+SA+abc$
X(37029)	$(8E+5F)aS^2+3(E+F)^2abc$ $+4abcS^2+5(E+F)SA^2$	$-4(E+F)aS^2-7abcS^2-2ASAS^2$
X(37030)	$FaS^2-(E+F)^2abc+2abcS^2$ $+4AS^3$	$-(E+F)aS^2-abcS^2-SAS^3$
X(37031)	$(E+F)FS^2+S^4-(E+F)^3ab$ $+(2E+3F)abS^2$ $+(E+F)^2abS-SabS^2$	$-(E+F)^2S^2-S^4-2(E+F)abS^2$
X(37032)	$(13E+6F)aS^2+4(E+F)^2abc$ $+10abcS^2+6SAS^2$ $+4AS^3$	$-6(E+F)aS^2-10abcS^2-2ASAS^2$
X(37033)	$(E+F)(3E+4F)S^2$ $+2(E+F)^3ab-(E-2F)abS^2$ $+2(E+F)abSBS^2$ $-2abS^2-2abS^3$	$-4(E+F)^2S^2-2(E+F)abS^2$
X(37034)	$Fa+abc$	$-(E+F)a-abc$
X(37035)	$(E+F)^2+2S^2+4(E+F)ab$ $3abS$	$-S^2$
X(37036)	$3(E+F)^2+4(E+F)ab$	$S^2$



	$-\$abS_C\$$	
X(37037)	$2(E+F)^2+3(E+F)\$ab\$$ $-\$abS_C\$$	$S^2$
X(37038)	$(E+F)^2+2S^2+2(E+F)\$ab\$$ $-\$abS_C\$$	$-3S^2$
X(37039)	$3(E+F)^2+2S^2+6(E+F)\$ab\$$ $-3\$abS_C\$$	$-S^2$
X(37040)	$(E+F)E-F\$ab\$-\$abS_C\$$	$-2(E+F)^2+(E+F)\$ab\$+\$abS_C\$$
X(37041)	$(E+F)F\$a\$+\$aS_B\$S_C\$$	$-\$a\$S^2-(E+F)\$aS_A\$$
X(37042)	$(E+F)^3-(2E-F)S^2+\$abS_C^2\$$	$\$ab\$S^2$
X(37043)	$F\$a\$+abc-\$aS_A\$$	$-3abc+2\$aS_A\$$
X(37044)	$2(E+F)^3+(E+F)S^2$ $+4(E+F)^2\$ab\$-3\$ab\$S^2$ $-2\$abS_C^2\$-2\$abS_A\$S_B\$$	$-(E+F)^2+\$ab\$S^2$
X(37045)		
X(37046)	$2(E+F)F+S^2+(E+3F)\$ab\$$ $-\$abS_C\$$	$-2(E^2-F^2)-S^2-2(E+F)\$ab\$$
X(37047)	$3(E+F)S^2+(E+F)^2\$ab\$$ $+\$ab\$S^2-\$abS_C^2\$+\$abS_A\$S_B\$$	$-(E+F)S^2$
X(37048)	$(2E+3F)\$a\$+\$aS_A\$+7abc$	$2(E-3F)\$a\$-4\$aS_A\$-8abc$
X(37049)	$2(E+F)S^2+(E+F)^2\$ab\$$ $-\$abS_C^2\$+\$abS_A\$S_B\$$	$2(E+F)S^2+3\$ab\$S^2$
X(37050)	$F\$a\$+\$aS_A\$+2abc$	$(E+F)\$a\$$
X(37051)	$2(E+F)^2+\$S^2+2(E+F)\$ab\$$ $-5abc\$a\$$	$2S^2$
X(37052)	$2(E+F)F-S^2-(E-F)\$ab\$$ $+\$abS_C\$$	$-2(E+F)^2+3S^2-2(E+F)\$ab\$$
X(37053)	$(E+F)^3+2(E+F)S^2$ $+2(E+F)^2\$ab\$-\$abS_C^2\$$ $+\$abS_A\$S_B\$$	$-(E+F)S^2$
X(37054)	$(E+F)F+2S^2$	$4(E+F)\$ab\$$
X(37055)	$2F\$a\$$	$-(E+F)\$a\$+4aS_A\$+abc$
X(37056)	$(2E+F)\$a\$+\$aS_A\$+3abc$	$(E+F)\$a\$+\$aS_A\$+abc$
X(37057)	$(3E+2F)\$a\$+2\$aS_A\$+5abc$	$-2(E+F)\$a\$-2\$aS_A\$-5abc$
X(37058)	$(E+2F)\$a\$+2\$aS_A\$+3abc$	$-2(E+F)\$a\$-2\$aS_A\$-3abc$

X(37059)	$(2E+F)S^2+2(E+F)^2ab$ $-2abS^2+2abS_C^2$ $+abS_A S_B$	$-(E+F)S^2+abS^2$
X(37060)	$(3E+F)S^2+2(E+F)^2ab$ $+abS^2-2(E+F)abS_C$ $-abS_A S_B$	$-(E+F)S^2$
X(37061)	$(3E+2F)S^2+2(E+F)^2ab$ $-abS^2+2abS_A S_B$ $-2abS_C^2$	$-2(E+F)S^2-abS^2$
X(37062)	$2(E+F)^2+S^2+3(E+F)ab$ $-abS_C$	$-3(E+F)^2-3S^2-5(E+F)ab$ $+2abS_C$
X(37063)	$(E+2F)a+aS_A+2abc$	$-2(E+F)a-aS_A-4abc$
X(37064)	$2a^2S^2+(E+4F)abc+FaS_A$ $+aS_A^2+aS_B S_C$	$-2a^2S^2-2(E+F)abc-(E+F)aS_A$ $-aS_A^2-aS_B S_C$
X(37065)	$3Ea^2S^2+2(E+F)^2abc-abcS^2$ $+aS_A S^2+2aS_A^3$	$abcS^2+aS_A S^2$
X(37066)	$7Ea^2S^2+2(E+F)^2abc+abcS^2$ $+aS_A S^2+2aS_A^3$	$-(E-7F)a^2S^2-2(E+F)^2abc+abcS^2$ $+aS_A S^2-2aS_A^3$
X(37067)	$(E+F)F+2S^2$	$-S^2$
X(37068)	$EF+2S^2$	$-2S^2$
X(37069)	$2Fa^2S^2+2aS_A S^2+2abcS^2$	$(3E-2F)a^2S^2+2(E+F)^2abc$ $+2aS_A^2$
X(37070)	$3F^2$	$-2(E+F)F+S^2$
X(37071)	$(E+F)^2-2S^2$	$(E+F)^2$
X(37072)	$2(2E-F)F-S^2$	$-2(E+F)F+S^2$
X(37073)	$4(E+F)^2F-(E+2F)S^2$	$(E-2F)S^2$
X(37074)	$FS^2$	$-2(E+F)^2F+(E+F)S^2$
X(37075)	$3a^2S^2+2(E+F)abc+2aS_A^2$ $+2aS_B S_C$	$a^2S^2$
X(37076)	$3a^2S^2+2(E+F)abc+2aS_A^2$ $-aS_B S_C$	$-2a^2S^2$
X(37077)	$E+4F$	$6E-12F$
X(37078)	$(E+F)a+2aS_A+abc$	$-2(E+F)a-3aS_A-9abc$
X(37079)	$(E+F)aS_A+(E+F)abc$	$-a^2S^2$
X(37086)	$a^2S^2+(E+F)abc+aS_A^2$	$-a^2S^2$

	$-\$a_S\$b_S\$c_S\$$	
X(37087)	$(E+F)^2F-\$ab_S\$c_S\$F$	$-(E-F)S^2-(E+F)^2\$ab_S\$(E+F)\$ab_S\$c_S\$$
X(37088)	$(E+F)\$a_S\$$	$-2(E+F)\$a_S\$\$a_S\$a_S\$\$-abc$
X(37089)	$(E+F)(E+2F)+2(E+F)\$ab_S\$\$-\$ab_S\$c_S\$\$$	$-(E+F)^2+S^2-(E+F)\$ab_S\$\$$
X(37090)	$(3E+2F)S^2+(E+F)^2\$ab_S\$\$+\$ab_S\$\$S^2-(E+F)\$ab_S\$c_S\$\$-\$ab_S\$a_S\$b_S\$\$$	$-2(E+F)S^2$
X(37091)	$(E-F)\$a_S\$\$S^2+(E+F)^2abc-abcS^2+\$a_S\$a_S\$\$S^2+\$a_S\$a_S^3\$\$$	$(E+F)\$a_S\$\$S^2+2abcS^2$
X(37092)	$(E-F)S^2+(E+F)^2\$ab_S\$\$(E+F)\$ab_S\$c_S\$\$$	$(E+F)S^2+2\$ab_S\$\$S^2$
X(37093)	$E\$a_S\$\$+abc$	$(E+F)\$a_S\$\$+\$a_S\$a_S\$\$+2abc$
X(37094)	$F\$a_S\$\$+2abc$	$\$a_S\$a_S\$\$\$-3abc$
X(37095)	$2(E+F)^3+4ES^2+6(E+F)^2\$ab_S\$\$-\$ab_S\$\$S^2-2(E+F)\$ab_S\$c_S\$\$-2\$ab_S\$c_S^2\$\$+\$ab_S\$a_S\$b_S\$\$$	$2(E+F)S^2+2\$ab_S\$\$S^2$
X(37096)	$(E+F)^2\$a_S\$\$\$-\$a_S\$\$S^2-\$a_S\$a_S^2\$\$$	$-\$a_S\$\$S^2$
X(37097)	$3\$a_S\$\$S^2+3(E+F)abc+3\$a_S\$a_S\$\$2\$\$-\$a_S\$b_S\$c_S\$\$$	$\$a_S\$\$S^2$
X(37098)	$E\$a_S\$\$+abc$	$-(E+F)\$a_S\$\$+\$a_S\$a_S\$\$$
X(37099)	$(E+F)E\$a_S\$\$-(E+2F)abc-E\$a_S\$a_S\$\$$	$2(E+F)abc$
X(37100)	$(E+F)^2-(E+F)S^2+(E+F)^2\$ab_S\$\$$	$2(E+F)S^2+\$ab_S\$\$S^2$
X(37101)	$(E+F)F\$a_S\$\$$	$-(E+F)^2\$a_S\$\$+\$a_S\$\$S^2+\$a_S\$a_S^2\$\$$
X(37102)	$(E+F)F-\$ab_S\$\$$	$(E+F)\$ab_S\$\$\$-\$ab_S\$c_S\$\$$
X(37103)	$2F-\$ab_S\$\$$	$-2(E+F)$
X(37104)	$\$a_S\$a_S\$\$F-Fabc$	$2\$a_S\$b_S\$c_S\$\$$
X(37105)	$2\$a_S\$a_S\$\$+abc$	$-2\$a_S\$a_S\$\$\$-4abc$
X(37106)	$2\$a_S\$a_S\$\$+abc$	$-2\$a_S\$a_S\$\$$
X(37107)	$2E+\$ab_S\$\$$	$-2(E+F)$
X(37108)	$S^2+2abc\$a_S\$\$$	$2abc\$a_S\$\$$
X(37109)	$(E-F)\$a_S\$\$\$-\$a_S\$a_S\$\$\$-abc$	$2(E+F)\$a_S\$\$+2\$a_S\$a_S\$\$+6abc$
X(37110)	$(3E-F)\$a_S\$\$\$-\$a_S\$a_S\$\$\$+abc$	$2(E+F)\$a_S\$\$+2\$a_S\$a_S\$\$+6abc$
X(37111)	$(7e+F)\$a_S\$\$+2\$a_S\$a_S\$\$+9abc$	$-2(E+F)\$a_S\$\$\$-\$a_S\$a_S\$\$\$-3abc$

X(37112)	$S_A + 2abc$	$-2abc$
X(37113)	$(E-F)S + S_A + 2abc$	$2(E+F)S + 2abc$
X(37114)	$2(E+F)F + 2S^2$	$-(E+F)(E+2F) + 4S^2$
X(37115)	$2(E+3F)S^2 + 2(E+F)Fabc$ $+ 6abcS^2 + 4S_A S^2$ $+ 2F S_A^2$	$-(5E+6F)S^2 - (E+F)(E+2F)abc$ $- 6abcS^2 - S_A S^2 - (E+2F)S_A^2$
X(37116)	$2FS^2 + 2FabcS - 2abcS_A$	$-2FS^2 - (E+2F)abcS + 2abcS_A$
X(37117)	$2FS$	$-(E+2F)S - 2abc$
X(37118)	$6F$	$E - 2F$
X(37119)	$4F$	$E$
X(37120)	$2E + 2Sb$	$-E - 2Sb$
X(37121)	$2(E+F)F + 2S^2$	$(E+F)F$
X(37122)	$2F$	$-3E - 4F$
X(37123)	$2(E+F)^2F + (E+2F)S^2$	$-(E+F)^2(E+2F) - 2(E+F)S^2$
X(37124)	$2(E+F)F$	$-(E+F)F + S^2$
X(37125)	$2(E+F)^2F + 2FS^2$	$ES^2$
X(37126)	$3E + 4F$	$-2E - 4F$
X(37127)	$(E+2F)F$	$-(E+2F)F + 2S^2$
X(37144)	$6(E+F)^2 + 3S^2 + 6abcS$ $+ 6(E+F)Sb + (3)^{1/2}(E+F)S$ $+ (3)^{1/2}SbS$	$3S^2 + 3(3)^{1/2}(E+F)S + 3(3)^{1/2}SbS$
X(37145)	$6(E+F)^2 + 3S^2 + 6abcS$ $+ 6(E+F)Sb - (3)^{1/2}(E+F)S$ $- (3)^{1/2}SbS$	$3S^2 - 3(3)^{1/2}(E+F)S - 3(3)^{1/2}SbS$
X(37146)	$3(E+F) + 3Sb$	$(3)^{1/2}S$
X(37147)	$3(E+F) + 3Sb$	$-(3)^{1/2}S$
X(37148)	$2(E+F)^3 + (E+2F)S^2$ $+ 4(E+F)^2Sb - 2SbS_C^2$	$4(E+F)S^2 - 2SbS^2$
X(37149)	$(5E+2F)S^2 + 2(E+F)^2Sb$ $+ SbS^2 + SbS_A S_B$ $- 2SbS_C^2$	$-2(E+F)S^2$
X(37150)	$2(E+F)^2 + S^2 + 4(E+F)Sb$ $- 2SbS_C$	$3S^2$
X(37151)	$2(E+F)S + S_A + 3abc$	$-(E+F)Sb - abc$
X(37152)	$(13E+6F)S^2 + 4(E+F)^2abc$	$-2(E+F)S^2 - 2abcS^2 + 2S_A S^2$

	$+10abcS^2+6SaSA^2S^2$ $+4SaSA^3S$	
X(37153)	$(E+F)^2+S^2+3(E+F)ab$ $-2abSc$	$S^2$
X(37154)	$2(E+F)F-2S^2+2Fab$	$4S^2+(E+F)ab-abSc$
X(37155)	$2(E+F)E-S^2-2Fab$ $+2abSc$	$-6S^2-2(E+F)ab+2abSc$
X(37156)	$Fa$	$2abc$
X(37157)	$-2S^2+2(E+F)ab-2abSc$	$2S^2-(E+F)ab+abSc$
X(37158)	$3(E+F)(E+2F)+4S^2$ $+(7E+10F)ab-4abSc$	$-2(E+F)^2+2S^2-2(E+F)ab$
X(37159)	$(E+F)^3+4(E+F)^2ab$ $+abS^2-2(E+F)abSc$	$-2(E+F)S^2-3abS^2$
X(37160)	$2(E+F)Sa+SaSA+3abc$	$-(E-3F)Sa+2SaSA+4abc$
X(37161)	$S^2+2(E+F)ab-2abSc$	$4S^2$
X(37162)	$3abcSa$	$-4S^2$
X(37163)	$abcSa$	$6S^2-2abcSa$
X(37164)	$3(E+F)^2+S^2+5(E+F)ab$ $-2abSc$	$-2S^2$
X(37165)	$(E-3F)Sa-SaSA-abc$	$-(E+F)Sa+SaSA+3abc$
X(37166)		
X(37167)		
X(37168)	$2Fa$	$-(E+F)Sa+SaSA$
X(37169)	$2SaS^2+(E+F)abc+SaSA^2$ $-SaSBSc$	$SaS^2$
X(37170)	$3(E+F)+(3)^{1/2}S$	$3(3)^{1/2}S$
X(37171)	$3(E+F)-(3)^{1/2}S$	$-3(3)^{1/2}S$
X(37172)	$(E+F)+(3)^{1/2}S$	$-(3)^{1/2}S$
X(37173)	$(E+F)-(3)^{1/2}S$	$(3)^{1/2}S$
X(37174)	$(E+F)F$	$-2S^2$
X(37175)	$2ES^2+(E+F)^2ab+abS^2$ $+abSA SB-abSc^2$	$-2abS^2$
X(37176)	$(E+F)^2-S^2+(E+F)ab$	$S^2$
X(37177)	$3(E+F)+(3)^{1/2}S$	$-(3)^{1/2}S$
X(37178)	$3(E+F)-(3)^{1/2}S$	$(3)^{1/2}S$

X(37179)	$Ea+abc$	$-(E+F)a-abc$
X(37180)	$Fa+Sa+abc$	$-Sa-abc$
X(37181)	$EF$	$(E+F)E+(2E+F)a-SbSc$
X(37182)	$(E+F)^2+S^2$	$-2(E+F)^2$
X(37183)	$(E+F)(E+2F)-2S^2$	$-2(E+F)^2+2S^2$
X(37184)	$(E+F)(E+2F)+2S^2$	$-2(E+F)^2-2S^2$
X(37185)	$Ea+abc$	$-2(E+F)a-Sa-3abc$
X(37186)	$(E+F)^2F-(E+F)S^2$	$ES^2$
X(37187)	$2(E+F)^2F+FS^2$	$-(E+F)S^2$
X(37188)	$(E+F)F-2S^2$	$2S^2$
X(37189)	$(E+F)Fb-FbSc$	$-(E-2F)S^2-SbS^2-SaSaSbS$
X(37190)	$(E+F)(2E-F)$	$-(E+F)^2-2S^2$
X(37191)	$Ea$	$-2(E+F)a-2Sa-2abc$
X(37192)	$2(E+3F)F$	$-3(E+F)(E+2F)+2S^2$
X(37193)	$2ES^2+2(E+F)^2ab$ $-2abSc^2$	$-4abS^2$
X(37194)	$Fa$	$(E-F)a+2abc$
X(37195)	$Fa+Sa+abc$	$(E-F)a-Sa-abc$
X(37196)	$3F$	$-E-7F$
X(37197)	$F$	$-E+3F$
X(37198)	$2E+F$	$-3E-F$
X(37199)	$(E+F)^2F-2FS^2$	$-(E-3F)S^2$
X(37200)	$(E+F)F$	$-2(E+F)F-S^2$
X(37201)	$E$	$-2E+2F$
X(37224)	$2Ea+3abc+Sa$	$abc-Sa$
X(37225)	$(2E+F)a+3abc+Sa$	$-(E+F)-abc-Sa$
X(37226)	$Fa$	$-(E+F)a-2abc+2Sa$
X(37227)	$Fa-Sa$	$-(E+F)a-2abc+Sa$
X(37228)	$Ea+abc+Sa$	$-abc-Sa$
X(37229)	$Ea+abc-Sa$	$abc+Sa$
X(37230)	$abc$	$-abc+4Sa$
X(37231)	$(E+2F)a$	$-2(E+F)a-2abc$
X(37232)	$(4E+3F)aS^2+(E+F)^2abc$ $4abcS^2+SaS^2$ $+(E+F)Sa^2$	$-(E+F)aS^2-2abcS^2$

X(37233)	$(E+F)abc + SaS_B S_C$	$SaSS^2$
X(37234)	$E$a$ + 2abc + 2$aS_A$	$E$a$ + 2abc - 6$aS_A$
X(37235)	$(E+F)F$ab$ - F$abS_C$	$ES^2 + $abSS^2 + $abS_A S_B$
X(37236)	$3FS^2 + (E+F)F$ab$ - F$abS_C$	$-(2E+3F)S^2 - (E+F)^2$ab$ - $abSS^2$ $+(E+F)$abS_C + $abS_A S_B$
X(37237)	$(E+F)F$a$ - $aSS^2$	$-(E+F)^2$a$ + $aSS^2 - 2(E+F)abc$
X(37238)	$4FS^2 + (E+F)F$ab$ - F$abS_C$	$-2(E+2F)S^2 - (E+F)^2$ab$ - $abS^2$ $+$abS_A S_B + $abS_C^2$
X(37239)	$F$a$$	$(E-2F)$a$ + 2abc + 2$aS_A$
X(37240)	$2E$a$ + abc - $aS_A$	$3abc + $aS_A$
X(37241)	$F$a$ + abc$	$-(E+F)$a$ - 3abc$
X(37242)	$(E+F)^2 + S^2$	$(E+F)^2 - 3S^2$
X(37243)	$(E+F)^2 + S^2$	$3(E+F)^2 - 5S^2$
X(37244)	$2E$a$ + abc - $aS_A$	$-abc + $aS_A$
X(37245)	$FS^2 - Fabc$a$$	$(E-F)S^2 + (E+F)abc$a$$
X(37246)	$(2E+F)$a$ + 2abc$	$-(E+F)$a$ - 2abc$
X(37247)	$(2E+F)$a$ + abc - $aS_A$	$-(E+F)$a$ - abc + $aS_A$
X(37248)	$E$a$ + abc - $aS_A$	$-abc + $aS_A$
X(37249)	$E$a$ - $aS_A$	$$aS_A$
X(37250)	$(E+2F)$a$ + abc + $aS_A$	$-2(E+F)$a$ - abc - $aS_A$
X(37251)	$2abc - $aS_A$	$abc + $aS_A$
X(37252)	$abc - $aS_A$	$-2E$a$ - abc + $aS_A$
X(37253)	$2FS^2 - (E+F)$ab$ + F$abS_C$	$-(E+2F)S^2 - $abSS^2 + $abS_A S_B$
X(37254)	$2F$a$ - abc$	$-2(E+F)$a$$
X(37255)	$(2E+F)$aSS^2 + 2(E+F)^2abc$ $-abcS^2 - $aS_A SS^2$ $+ 2(E+F)$aS_A^2$	$(E+F)$aSS^2 + abcS^2 + $aS_A SS^2$
X(37256)	$4S^2 - abc$a$$	$-8S^2$
X(37257)	$F$a$ + 2abc$	$-(E+F)$a$ - 2abc$
X(37258)		
X(37259)	$F$a$ + abc - $aS_A$	$-(E+F)$a$ - abc - $aS_A$
X(37260)	$2F$a$ - abc + $aS_A$	$-2(E+F)$a$ + abc - $aS_A$
X(37261)	$(2E+F)$a$ + abc$	$-(E+F)$a$$
X(37262)	$F$a$ + 2abc + $aS_A$	$-(E+F)$a$ - 3abc - $aS_A$
X(37263)		

X(37264)	$F^2a^2+abc+a^2S_A^2$	$-(E+F)a^2-2abc-a^2S_A^2$
X(37265)	$(3E+F)S^2+(E+F)^2ab^2$ $+2ab^2S^2-(E+F)abS_C^2$	$(E+F)S^2-ab^2S^2$
X(37266)	$(2E+F)S^2+2(E+F)^2ab^2$ - $3ab^2S^2-2abS_C^2+a^2S_AS_B^2$	$(E+F)S^2+ab^2S^2$
X(37267)	$3S^2-abc^2$	$-4S^2$
X(37268)	$2(5E+4F)a^2S^2$ $+2(E+F)(2E+3F)abc+5abcS^2$ $+(E+F)F^2a^2S^2+a^2S_AS^2$ $+(4E+5F)a^2S_A^2+F^2a^2S_BS_C^2$	$-4(E+F)a^2S^2-2(E+F)^2abc-3abcS^2$ $-(E+F)^2a^2S_AS^2$ $-(E+F)a^2S_A^2-(E+F)a^2S_BS_C^2$
X(37269)	$(E-F)-ab^2$	$(E+F)+ab^2$
X(37270)	$2E^2a^2-abc-a^2S_A^2$	$3abc+a^2S_A^2$
X(37271)	$4E^2a^2+abc-a^2S_A^2$	$3abc+a^2S_A^2$
X(37272)	$a^2S^2+2a^2S_A^2-2(E+F)abc$	$a^2S^2$
X(37273)	$2F^2a^2+3abc+a^2S_A^2$	$-2(E+F)a^2-5abc-a^2S_A^2$
X(37274)	$(E+F)abc+4ab^2S_AS_B^2$ $+a^2S_A^2$	$-a^2S^2$
X(37275)	$(E+2F)S^2+2(E+F)F^2ab^2$ $+ab^2S^2-2F^2abS_C^2+a^2S_A^2$	$-2FS^2$
X(37276)	$4Fabc$	$a^2S^2$
X(37277)		
X(37278)	$FS^2-(E+F)F^2ab^2+F^2abS_C^2$	$-3FS^2-ab^2S_AS_B^2-$
X(37279)	$Fabc+F^2a^2S_A^2$	$-a^2S^2$
X(37280)	$(E+F)abc+a^2S_A^2-a^2S_BS_C^2$	$a^2S^2$
X(37281)	$E^2a^2-abc$	$E^2a^2+3abc$
X(37282)	$E^2a^2+abc+a^2S_A^2$	$-abc-a^2S_A^2$
X(37284)	$E^2a^2+2abc+a^2S_A^2$	$-2abc-a^2S_A^2$
X(37285)	$E^2a^2+4abc+2a^2S_A^2$	$-4abc-2a^2S_A^2$
X(37286)	$E^2a^2+3abc+2a^2S_A^2$	$-3abc-2a^2S_A^2$
X(37287)	$3abc+2a^2S_A^2$	$2E^2a^2-2a^2S_A^2$
X(37288)	$F^2a^2S^2-(E+F)^2abc+4abcS^2$ $+2a^2S_AS^2-(E+F)a^2S_A^2$	$-2(E+F)a^2S^2-2a^2S_AS^2-5abcS^2$
X(37289)	$3F^2a^2$	$abc-3F^2a^2$
X(37290)	$2S^2+abc^2$	$-6S^2+abc^2$
X(37291)	$8S^2+abc^2$	$-4S^2$



X(37292)	$2Ea+5abc+2aA$	$-5abc-2aA$
X(37293)	$Ea-4abc+4aA$	$4abc-4aA$
X(37294)		
X(37295)	$Fabc-2FaA$	$-(E+F)abc+(E+F)aA-aBc$
X(37296)	$(5E+2F)a^2+(E+F)2abc+6abc^2+3aA^2+aA^2$	$-2(E+F)a^2-5abc^2-2aA^2$
X(37297)	$(3E+2F)a+5abc+2aA$	$-2(E+F)a-4abc-2aA$
X(37298)	$5S^2+abcA$	$-3S^2$
X(37299)	$8S^2+abcA$	$-12S^2$
X(37300)	$Ea-2aA$	$2aA$
X(37301)	$Ea-2abc-2aA$	$2abc+2aA$
X(37302)	$aA$	$-Ea-aA$
X(37303)	$Fa^2+(E+F)^2abc-4abc^2-2aA^2+(E+F)aA^2$	$2(E+F)a^2+3abc^2-ab^2$
X(37304)	$4FS^2+(E+F)Fb-FbS_C- abS_B$	$(3E+4F)S^2-ab^2$
X(37305)	$Fa$	$-Fa-abc$
X(37306)	$Ea+abc+aA$	$-aA$
X(37307)	$8S^2-abcA$	$-8S^2$
X(37308)	$2abc+4aA$	$-Ea-2abc-4aA$
X(37309)	$(2E+F)-ab$	$-(E+F)+ab$
X(37310)	$2Fa+abc+aA$	$-(E+2F)a-abc-aA$
X(37311)	$(E+2F)a-2aA$	$-2(E+F)a+2aA$
X(37312)	$(E+2F)S^2-(E+F)^2ab+3ab^2+abS_C^2-abS_AS_B$	$-2(E+F)S^2+2abS^2$
X(37313)	$4S^2-2abcA$	$-4S^2+abcA$
X(37314)	$2(E+F)^2+2S^2+5(E+F)ab-3abS_C$	$-2S^2$
X(37315)	$(3E+F)a+3abc$	$2(E+F)a$
X(37316)	$2(2E+F)S^2+2(E+F)^2ab-2abS_C^2+abS_AS_B$	$-2(E+F)S^2-ab^2$
X(37317)	$2(2E+F)a^2+2(E+F)^2abc+abc^2+2aA^2+aA^3$	$-2(E+F)a^2-abc^2$
X(37318)	$FS^2+(E+F)Fb-FbS_C$	$(E-F)S^2+(E+F)^2ab-(E+F)abS_C$

X(37319)	$(4E+F)Sa+5abc-SaSa$	$-(E+F)Sa-3abc-SaSa$
X(37320)	$2(E+F)Sa+3abc+SaSa$	$-2(E+F)Sa-abc-SaSa$
X(37321)	$4Fabc+4EFa$	$4SaS^2+(4E+5F)abc-4FSaSa$ $+4SaSa^2-4SaSBS_C$
X(37322)		
X(37323)	$(3E+F)S^2+(E+F)^2Sab$ $+SabS^2-SabS_C^2$	$-(E+F)S^2-SabS^2$
X(37324)	$6(E+F)FSa+2SaS^2$ $+2(2E+5F)abc+$ $4(E+F)SaSa+4SaSBS_C$	$3(E-2F)(E+F)Sa+2SaS^2$ $+3(E-2F)abc$
X(37325)	$(E+2F)S^2+(E+F)^2Sab$ $-(E+F)SabS_C$	$-2(E+F)S^2$
X(37326)	$SaS^2+2(E+F)abc$ $-2SabSaSBS+2SaSa^2$	$SaS^2$
X(37327)	$(3E+2F)S^2+(E+F)^2Sab$ $+SabS^2-SabS_C^2$	$-2(E+F)S^2-SabS^2$
X(37328)	$(E+F)Sa-abc$	$-(E+F)Sa+2abc$
X(37329)	$ES^2+(E+F)^2Sab-SabS_C^2$ $+SabSaSBS$	$-SabS^2$
X(37330)	$ESa+2abc+SaSa$	$-(E+F)Sa$
X(37331)	$(E+F)Sa-abc+SaSa$	$-(E+F)Sa+3abc-SaSa$
X(37332)	$(E+F)-(3)^{1/2}S$	$3(E+F)+(3)^{1/2}S$
X(37333)	$(E+F)+(3)^{1/2}S$	$3(E+F)-(3)^{1/2}S$
X(37334)	$2S^2$	$(E+F)^2-S^2$
X(37335)	$(E+F)(E-2F)+2S^2$	$2(E+F)^2-2S^2$
X(37336)	$(E+F)^2+S^2$	$2(E+F)^2-2S^2$
X(37337)	$(E+F)^2F+FS^2$	$ES^2$
X(37338)	$(E+F)(2E-F)-S^2$	$(E+F)^2+S^2$
X(37339)	$(E+F)^2+2S^2+(E+F)Sab$	$-2S^2$
X(37340)	$2(E+F)+(3)^{1/2}S$	$-(3)^{1/2}S$
X(37341)	$2(E+F)-(3)^{1/2}S$	$(3)^{1/2}S$
X(37342)	$(E+F)-S$	$(E+F)+S$
X(37343)	$(E+F)+S$	$(E+F)-S$
X(37344)	$(E+F)E-S^2$	$S^2$
X(37345)	$(E+F)^2+3S^2$	$3(E+F)^2-3S^2$

X(37346)	$2(E+F)^2F$	$-3(E-2F)S^2$
X(37347)		
X(37348)	$(E+F)^2+S^2$	$-(E+F)^2+3S^2$
X(37349)	E	$8(E+F)$
X(37350)	$2(E+F)^2-3S^2$	$-9S^2$
X(37351)	$6(E+F)+(3)^{1/2}S$	$-3(3)^{1/2}S$
X(37352)	$6(E+F)-(3)^{1/2}S$	$3(3)^{1/2}S$
X(37353)	$3E+4F$	$4E+4F$
X(37354)	$3Fabc-F^2a^2S_A^2$	$-S^2-(E+F)abc-S^2a^2+S^2b^2+S^2c^2$
X(37355)	$F^2a^2-abc+a^2S_A^2$	$(E+F)a^2+3abc+a^2S_A^2$
X(37356)	$S^2-abc$	$S^2+abc$
X(37357)	$F^2a^2+S_A^2$	$(E+F)a^2+2abc+S_A^2$
X(37358)	$(E+F)E-S^2+E^2ab$	$-S^2-2abc$
X(37359)	$2(E+F)E-2S^2+(E-F)ab$	$-2S^2-3abc$
X(37360)	$(E+F)a^2+2abc$	$(E+F)a^2$
X(37361)	$(E+2F)a^2+2abc$	$-(E-2F)a^2-2abc$
X(37362)	$Fabc-F^2a^2S_A^2$	$-S^2-(E+F)abc+S^2b^2+S^2c^2-S^2a^2$
X(37363)	$2(E+F)E+S^2+2E^2ab+abc$	$S^2+2(E+F)ab-2abc$
X(37364)	$S^2-2abc$	$S^2+2abc$
X(37365)	$(E+F)a^2+S_A^2-abc$	$(E+F)a^2+3abc+S_A^2$
X(37366)	$F^2a^2+2abc$	$-(E+F)a^2$
X(37367)	$F^2a^2+abc+S_A^2$	$-(E+F)a^2$
X(37368)	$F^2a^2$	$-(E+F)a^2-2abc$
X(37369)	$(E-2F)a^2+2abc+2S_A^2$	$6(E+F)+10abc+2S_A^2$
X(37370)	$(E-F)a^2+abc-S_A^2$	$-(E+F)a^2-3abc-S_A^2$
X(37371)	$F^2a^2S_A^2$	$-S^2b^2-S^2c^2$
X(37372)	$2FS^2$	$-(E-2F)S^2-S^2ab+S^2bc$
X(37373)	$(2E-F)a^2S^2+(E+F)^2abc+S_A^2$	$-(E+F)a^2S^2-3abcS^2-S_A^2S^2$
X(37374)	$S^2-abc$	$S^2+2abc$
X(37375)	$2S^2+abc$	$4S^2$
X(37376)	$FS^2+(E+F)F^2ab+S^2bc$	$-(E-F)S^2-(E+F)^2ab+(E+F)bc$
X(37377)		

X(37378)	$(E+F)Fabc - F^2S_A^2$	$-F^2S^2 - abcS^2$
X(37379)	$2F^2S^2 + 2(E+F)Fabc + 2F^2S_A^2$	$-4(E+F)S^2 - 2(E+F)(E+2F)abc - abcS^2 - 2(E+2F)S_A^2$
X(37380)	$2FS^2 + (E+F)F^2ab - F^2abS_C$	$-2(E+F)S^2 - 2(E+F)^2ab + 2(E+F)abS_C$
X(37381)	$FS^2 + (E+F)F^2ab - F^2abS_C$	$-(E-F)S^2 - (E+F)^2ab + (E+F)abS_C$
X(37382)		
X(37383)	$FS^2 + (E+F)F^2ab - F^2abS_C$	$-(2E+F)S^2 - (E+F)^2ab - abS^2 + (E+F)abS_C$
X(37384)	$F^2S_A$	$-(E+F)S_A - abc - S_A^2$
X(37385)	$Fabc + F^2S_A$	$-3S^2 - 3(E+F)abc - 3S_A^2 + S_B S_C$
X(37386)	$2F^2$	$-2(E+F)F - (E+F)ab + abS_C$
X(37387)	$F^2S_A$	$-(3E+F)S_A - 2abc$
X(37388)	$Fabc + F^2S_A$	$-S^2 - (E+F)abc - S_A^2$
X(37389)	$(E+F)F - F^2ab$	$S^2 - abS_C + (E+F)ab$
X(37390)	$F^2S_A$	$-2(E+F)S_A - abc - S_A^2$
X(37391)	$F^2S_A$	$(E-F)S_A - 2abc$
X(37392)	$(E+F)F^2ab - F^2abS_C$	$-(E-F)S^2 - (E+F)^2ab + (E+F)abS_C$
X(37393)	$FS^2 - Fabc$	$-(E+F)S^2 - (E+F)S^2 - abS^2 + abS_A S_B$
X(37394)	$2Fabc$	$-S^2 - 2(E+F)abc + S_B S_C - S_A^2$
X(37395)	$F^2S_A$	$-(E+2F)S_A - abc$
X(37396)	$3Fabc + F^2S_A$	$-3S^2 - 3(E+F)abc - 3S_A^2 + S_B S_C$
X(37397)	$F^2S_A + abc - S_A^2$	$-(E+F)S_A - 3abc + S_A^2$
X(37398)	$F^2S_A$	$-3(E+F)S_A - 2abc$
X(37399)	$(E+F)S_A + abc$	$-(E+F)S_A - 2abc$
X(37400)	$(E+F)S_A + 2abc + S_A^2$	$-(E+F)S_A - 3abc - S_A^2$
X(37401)	$2S^2 + 3(E+F)ab - 3abS_C$	$2S^2 - 3(E+F)ab + 3abS_C$
X(37402)	$2(E+F)S_A + 6abc + S_A^2$	$-2(E+F)S_A - 5abc - S_A^2$
X(37403)	$2S^2 - 2abc$	$-2S^2 + 3abc$
X(37404)	$2S^2 - 2(E+F)ab + 2abS_C$	$-2S^2 + 3(E+F)ab - 3abS_C$
X(37405)	$2(E+F)(E+2F) + 2S^2$	$-6(E+F)^2 - 2S^2 - 12(E+F)ab$

	$+(7E+10F)ab-4abS_C$	$+6abS_C$
X(37406)	$2S^2+(E+F)ab-abS_C$	$2S^2-3(E+F)ab+3abS_C$
X(37407)	$S^2+2(E+F)ab-2abS_C$	$-(E+F)ab+abS_C$
X(37408)	$2(E+F)(E+2F)+S^2$ $+2(2E+3F)ab-2abS_C$	$-4(E+F)^2-S^2-7(E+F)ab+3abS_C$
X(37409)	$(E+F)(2E+F)+S^2$ $+(4E+3F)ab-2abS_C$	$-(E+F)(3E+F)-S^2-2(3E+2F)ab$ $+3abS_C$
X(37410)	$2F^2a$	$-2F^2a+abc-2a^2S_A$
X(37411)	$abc+a^2S_A$	$-5abc-a^2S_A$
X(37412)	$2(E+F)a^2+3abc+a^2S_A$	$-2(3E+F)a^2-5abc-a^2S_A$
X(37413)	$2(E+F)F-2S^2+2(2E+3F)ab$ $-4abS_C$	$-2(E+F)F+2S^2-(5E+7F)ab$ $+5abS_C$
X(37414)	$F^2a$	$-F^2a-a^2S_A$
X(37415)	$(E+F)a^2$	$-(E+F)a^2-2abc$
X(37416)	$2(E+F)+ab$	$-2(E+F)-2ab$
X(37417)	$2F^2a$	$-2F^2a-abc+a^2S_A$
X(37418)		
X(37419)	$(E+F)a^2+2abc+a^2S_A$	$-2(E+F)a^2-3abc-a^2S_A$
X(37420)	$F^2a$	$-2F^2a+abc-a^2S_A$
X(37421)	0	1
X(37422)	$2(E+F)^2a^2+a^2S^2$ $+5(E+F)abc+3(E+F)a^2S_A+$ $3a^2S_B S_C$	$-4(E+F)^2a^2-7a^2S^2-12(E+F)abc$ $-8(E+F)a^2S_A$
X(37423)	$S^2+4(E+F)ab-4abS_C$	$-2S^2-4(E+F)ab+4abS_C$
X(37424)	$S^2+2(E+F)ab-2abS_C$	$S^2-2(E+F)ab+2abS_C$
X(37425)	$(E+F)^2+S^2+3(E+F)ab$ $-2abS_C$	$-(E+F)^2-S^2-4(E+F)ab+3abS_C$
X(37426)	$3abc+a^2S_A$	$-5abc-a^2S_A$
X(37427)	$4S^2+2(E+F)ab-2abS_C$	$-3S^2-3(E+F)ab+3abS_C$
X(37428)	$S^2+2(E+F)ab-2abS_C$	$-3S^2-3(E+F)ab+3abS_C$
X(37429)	$S^2-2(E+F)ab+2abS_C$	$-3S^2+3(E+F)ab-3abS_C$
X(37430)	$2S^2-2(E+F)ab+2abS_C$	$-6S^2+3(E+F)ab-3abS_C$
X(37431)	$2(E+F)^2+2(E+F)ab$	$-2(E+F)^2-2(E+F)ab+abS_C$
X(37432)	$3Fabc-F^2a^2S_A$	$-a^2S^2-(E+F)abc+a^2S_B S_C-a^2S_A^2$
X(37433)	$abc^2a$	$-4S^2-6abc^2a$

X(37434)	$S^2$	$2abc$
X(37435)	$S^2-abc$	$-4S^2$
X(37436)	$S^2+3abc$	$2S^2$
X(37437)	$abc$	$4S^2-abc$
X(37438)	$2S^2+3abc$	$2S^2-abc$
X(37439)	$2E+F$	$E+F$
X(37440)	$E+8F$	$-7E-8F$
X(37441)	$-2Fabc+2FSA$	$(E+F)abc-(E+F)SA+SBSC$
X(37442)	$2ESA^2+(E+F)^2abc$ $-SA^2S^2+(E+F)SA^2$	$(E+F)AS^2+abcS^2+SA^2S^2$
X(37443)	$(E+F)A+abc+SA$	$-2(E+F)A$
X(37444)	$3E^2+8EF$	$-4E^2-16EF-14F^2$
X(37445)	$AS^2+(E+F)abc+SA^2$ $-SBS$	$AS^2$
X(37446)	$2S^2$	$-(E+F)^2+S^2$
X(37447)	$(E+F)B-BS$	$6(E+F)E+2S^2+(13E+7F)B$ $-7BS$
X(37448)	$(E+F)F-FB$	$-S^2$
X(37449)	$(E+2F)A-2abc$	$-2(E+F)A$
X(37450)	$2(E+F)^2-S^2$	$-(E+F)^2$
X(37451)	$(E+F)^2+2S^2$	$-(E+F)^2$
X(37452)	$3E-4F$	$-3E-4F$
X(37453)	$5F$	$-E-F$
X(37454)	$2E+5F$	$E+F$
X(37455)	$2(E+F)^2-S^2$	$-(E+F)^2$
X(37456)	$abc$	$2(E+F)A$
X(37457)	$(E+F)F-3S^2$	$-(E+F)^2+3S^2$
X(37458)	$-3F$	$2E+5F$
X(37459)	$(E+F)^2-5S^2$	$(E+F)^2+3S^2$
X(37460)	$-3F$	$E+4F$
X(37461)	$2(E+F)^2-9S^2$	$3(E+F)^2+9S^2$
X(37462)	$3abc$	$2S^2$
X(37463)	$(3)^{1/2}S$	$E+F$
X(37464)	$-(3)^{1/2}S$	$E+F$
X(37465)	$(E+F)(E-2F)-2S^2$	$2(E+F)^2+2S^2$

X(37466)	$(E+F)^2-3S^2$	$(E+F)^2+S^2$
X(37467)	$ES^2+(E+F)^2S^2-2S^2C^2$ $+2S^2S_A S_B$	$-2S^2S^2$
X(37468)	$S^2$	$-5S^2-2(E+F)abc-2S^2S_A^2$
X(37760)	$E+16F$	$-8E-8F$
X(37777)	$2(E-3F)F$	$-(E+F)(E-4F)$
X(37814)	$E-8F$	$E+8F$
X(37855)	$2(E+F)^2F$	$-3(E-2F)S^2$
X(37895)	$(E+F)^2(E+3F)-(E-2F)S^2$	$-4(E+F)^3+2(2E-F)S^2$
X(37896)	$(E+F)^2(E+4F)-(E-4F)S^2$	$-(E+F)^3+2(E-2F)S^2$
X(37897)	$-2E-14F$	$10E+10F$
X(37898)	$(E+F)^2(E-4F)-4FS^2$	$-4(E+F)^3+(E+4F)S^2$
X(37899)	$2E+5F$	$-7E-7F$
X(37900)	$3E+6F$	$-10E-10F$
X(37901)	$7E+16F$	$-24E-24F$
X(37902)	$3(E+F)^2F-2(E+2F)S^2$	$-3(E+F)^3+(7E+4F)S^2$
X(37903)	$(E+F)^2(E+7F)+(2E-3F)S^2$	$4(E+F)^3-(5E-3F)S^2$
X(37904)	$2E+11F$	$-9E-9F$
X(37905)	$2(E+F)^2(E-4F)+(E-8F)S^2$	$-8(E+F)^3-(E-8F)S^2$
X(37906)	$(E+F)(E-3F)-S^2$	$-5(E+F)^2+3S^2$
X(37907)	$E+28F$	$-12E-12F$
X(37908)	$F^2S^2+(E+F)F^2S^2$ $+F^2S^2S_C$	$-F^2S^2-(E+F)S^2S_C$
X(37909)	$5E+32F$	$-24E-24F$
X(37910)	$3E+9F$	$-11E-11F$
X(37911)	$E-11F$	$E+F$
X(37912)	$3(E+F)^2F-FS^2$	$-(E+F)^3+3FS^2$
X(37913)	$3E+8F$	$-8E-8F$
X(37914)	$(E+F)(E+7F)+3S^2$	$-7(E+F)^2-3S^2$
X(37915)	$2(E+F)^2(E+4F)-(8E+7F)S^2$	$-8(E+F)^3+(26E+7F)S^2$
X(37916)	$(E+F)(2E+7F)-3S^2$	$-7(E+F)^2+3S^2$
X(37917)	$12EF-31F^2$	$-4E^2+4EF+31F^2$
X(37918)	$(E+F)(E-2F)F-(E-4F)S^2$	$-4(E+F)^2F+2(E-2F)S^2$
X(37919)	$(E+4F)S^2-2abc$	$-4(E+F)S^2+6abc$
X(37920)	$(11E+8F)F$	$-(E+F)(3E+8F)$

X(37921)	$2(E+F)(E+4F)F-ES^2$	$-8(E+F)^2F+3ES^2$
X(37922)	$E+24F$	$-9E-24F$
X(37923)	$7E+40F$	$-31E-40F$
X(37924)	$5E+8F$	$-17E-8F$
X(37925)	$2E+4F$	$-7E-4F$
X(37926)	$(2E+11F)F-S^2$	$-9(E+F)F+3S^2$
X(37927)	$(E+F)^2(E+4F)-2(E-2F)S^2$	$-4(E+F)^3+(5E-4F)S^2$
X(37928)	$4E^2+5EF+8F^2$	$3E^2-5EF-8F^2$
X(37929)	$E^2+14EF+19F^2$	$E^2-18EF-19F^2$
X(37930)	$4(E+F)^2F-(E+4F)S^2$	$-(E+F)^2(E+4F)+4(E+F)S^2$
X(37931)	$5F$	$-E-7F$
X(37932)	$(4E+35F)F$	$6E^2-23EF-35F^2$
X(37933)	$9(E+F)^2F^2-5(E-9F)FS^2$	$-9(E+F)^3F-(5E^2+32EF+45F^2)S^2$
X(37934)	$9F$	$-2E-11F$
X(37935)	$7F$	$-2E-5F$
X(37936)	$-9E-48F$	$39E+48F$
X(37937)	$2(E+F)(5E-4F)F^2$ $-2(E+4F)FS^2$	$-4(E+F)^2(E-2F)F+(E^2+8F^2)S^2$
X(37938)	$3E-8F$	$-5E-8F$
X(37939)	$-2E-12F$	$9E+12F$
X(37940)	$E+12F$	$-6E-12F$
X(37941)	$E-12F$	$12F$
X(37942)	$5F$	$-2E+F$
X(37943)	$8F$	$-3E$
X(37944)	$3E-4F$	$-8E+4F$
X(37945)	$3E+4F$	$-10E-4F$
X(37946)	$4E+4F$	$-13E-4F$
X(37947)	$5E+16F$	$-19E-16F$
X(37948)	$2E-12F$	$-3E+12F$
X(37949)	$7E+8F$	$-23E-8F$
X(37950)	$5E-16F$	$-11E+16F$
X(37951)	$(4E-F)F$	$-2E^2+3EF+11F^2$
X(37952)	$E-20F$	$2E+20F$
X(37953)	$2E+20F$	$-11E-20F$
X(37954)	$(3E+8F)F$	$-E^2-3EF-8F^2$



X(37955)	$E-24F$	$3E+24F$
X(37956)	$5E+24F$	$-21E-24F$
X(37957)	$E+28F$	$-10E-28F$
X(37958)	$E+40F$	$-13E-40F$
X(37959)	$(E+4F)\$a\$S_A\$+(E-2F)abc$	$-4(E+F)\$a\$S_A\$-2(E+F)abc$
X(37960)	$2(E-2F)S^2+(E+F)^2\$ab\$$ $-(E+F)\$ab\$S_C\$$	$-(5E-4F)S^2-3(E+F)^2\$ab\$$ $+3(E+F)\$ab\$S_C\$$
X(37961)	$4(E+F)F\$a\$+6Fabc$	$E+F)(E+4F)\$a\$-(E+10F)abc$
X(37962)	$(5E-4F)F$	$-2(E+F)(E-2F)$
X(37963)	$(5E-4F)F\$a\$+6Fabc$	$-2(E+F)(E-2F)\$a\$-2(E+F)abc$
X(37964)	$(E+4F)F\$a\$-4F\$a\$S_A\$$	$-6(E+F)F\$a\$+2(E+F)\$a\$S_A\$$
X(37965)		
X(37966)		
X(37967)	$7E+16F$	$25E-16F$
X(37968)	$3E-32F$	$-E+32F$
X(37969)	$(5E+14F)F$	$(E+F)(E-14F)$
X(37970)	$2(E+8F)F$	$-E^2-2EF-16F^2$
X(37971)	$E+6F$	$-5E-2F$
X(37972)	$E^2+2EF+8F^2$	$-3E^2-11EF-8F^2$
X(37973)	$E^2+5EF-8F^2$	$-5E^2+3EF+8F^2$
X(37974)	$3F+(3)^{1/2}S$	$-(E+F)-3(3)^{1/2}S$
X(37975)	$3F-(3)^{1/2}S$	$-(E+F)+3(3)^{1/2}S$
X(37976)		
X(37977)	$(7E+4F)F$	$-2(E+F)(E+2F)$
X(37978)	$E^2-12EF-16F^2$	$16(E+F)F$
X(37979)		
X(37980)	$E^2+8F^2$	$-2E^2-10EF-8F^2$
X(37981)	$(E+4F)F$	$-(E+F)(E-4F)$
X(37982)	$4FS^2+3Fabc\$a\$$	$-2(E-2F)S^2-(E+F)abc\$a\$$
X(37983)	$(E+2F)\$a\$+2abc$	$2(E+F)\$a\$+2abc$
X(37984)	$3F$	$-2E+7F$
X(37985)		
X(37986)		
X(37987)	$2(E+F)(3E-7F)F-(E-2F)S^2$	$-6(E+F)^2F+(E+10F)S^2$
X(37988)	$(E+F)(E+3F)+2S^2$	$2(E+F)^2+2S^2$

X(37989)	$2FS^2+3abcF\$a\$$	$-(E-2F)S^2-2(E+F)abc\$a\$$
X(37990)	$3E+2F$	$2E+2F$
X(37991)	$4(E+F)^2F-2(E-2F)S^2$	$-(E+F)^2(E+4F)+(5E-4F)S^2$