

Table S-coefficients (G, H) of X(*) in ETC Part 18

X(*)	G(a, b, c)	H(a, b, c)
X(34002)	$(E+F)^2F+2(2E+17F)S^2$	$-2(E+3F)S^2$
X(34003)	$(2E+3F)F+3S^2$	$-3(E+F)F-3S^2$
X(34004)	$30(E+F)^2F-(22E+38F)S^2$	$(51E-17F)S^2$
X(34005)	$(E+F)^2(E+20F)-(4E+24F)S^2$	$40FS^2$
X(34006)	$9(E+F)^2E-(13E+33F)S^2$	$9(E+F)^3+(30E+33F)S^2$
X(34007)	$12(E+F)^2F+2ES^2$	$-(3E-F)S^2$
X(34008)	$(3)^{1/2}(E+2F)+2S$	$-2(3)^{1/2}(E+F)-2S$
X(34009)	$(3)^{1/2}(E+2F)-2S$	$-2(3)^{1/2}(E+F)+2S$
X(34093)	$(7E-2F)F-2S^2$	$-3(E+F)(E-2F)+6S^2$
X(34094)	$(E+F)(E-17F)+3S^2$	$3(E+F)^2-9S^2$
X(34098)	$2(E+F)^2F-(E-2F)S^2$	$-2(E+F)^3-2(E+F)S^2$
X(34104)	$(E-2F)(E+10F)-4S^2$	$-3(E-2F)^2+4S^2$
X(34119)	$2F+\$ab\$$	$2(E+F)+\$ab\$$
X(34120)	$2F\$a\$+abc$	$-abc$
X(34152)	$3E-16F$	$-5E+16F$
X(34197)	$E^4-4E^3F-104E^2F^2+384EF^3$ $+1536F^4-8(E-8F)^2S^2$	$-12E^3F+168E^2F^2-384EF^3-1536F^4$ $+8(E-8F)^2S^2$
X(34199)	$5E-56F$	$-15E-24F$
X(34200)	13	-15
X(34330)	$E+32F$	$-3E$
X(34331)	$E+32F$	$-3E$
X(34350)	$E-8F$	$-3E+16F$
X(34351)	$E+10F$	$-3E-6F$
X(34354)	$2(E^2+5EF+4F^2)F-2(E-4F)S^2$	$-(7E^2+24EF+8F^2)F+4(E-2F)S^2$
X(34420)		
X(34450)	$36EF-44F^2-9S^2$	$-44EF+68F^2+11S^2$
X(34451)	$135E^2-35280EF+24960F^2$ $+8640S^2$	$-405E^2+29040EF-23680F^2-7488S^2$
X(34477)	$E+20F$	$-3E-12F$
X(34478)	$E-72F$	$-3E+24F$
X(34479)		
X(34582)	$9(E-5F)F-S^2$	$27(E+F)F-9S^2$

X(34658)	$E^2+3EF+F^2$	$-3(E+F)^2$
X(34659)	$E^2+3EF+4F^2$	$-3(E+F)(E+4F)$
X(34769)		
X(34864)	$5E+8F$	$-E-8F$
X(34965)	F^2-S^2	$-(E+F)F+S^2$
X(35001)	$7E-8F$	$-19E+8F$
X(35003)		
X(35231)	$-R+2OH$	$3R-2OH$
X(35232)	$R+2OH$	$-3R-2OH$
X(35235)	$(E-8F)F$	$-(E+F)(E+4F)+4S^2$
X(35236)	$(E+F)^2F^2-2(2E-F)FS^2+S^4$	$-(E+F)^3F+3(E-2F)FS^2-S^4$
X(35241)	$(17E-28F)F-4S^2$	$-(33E-48F)F+8S^2$
X(35243)	$(E+F)^2F+(3E+F)FS^2$	$-(E+F)^3-(4E+F)S^2$
X(35276)	$3S^2-(E+F)abc$	$-3S^2$
X(35287)	$(E+F)^2-6S^2$	$6S^2$
X(35296)	$(E+F)E-4S^2$	$4S^2$
X(35297)	$(E+F)^2-4S^2$	$3S^2$
X(35298)	$(E+F)(E-2F)-6S^2$	$2(E+F)^2+6S^2$
X(35302)	$(E+F)E-3S^2$	$3S^2$
X(35303)	$2(E+F)-3(3)^{1/2}S$	$3(3)^{1/2}S$
X(35304)	$2(E+F)+3(3)^{1/2}S$	$-3(3)^{1/2}S$
X(35305)	$(E+F)^2-(E+F)S-3S^2$	$3S^2$
X(35306)	$(E+F)^2+(E+F)S-3S^2$	$3S^2$
X(35380)	$E^2+16EF+16F^2-48S^2$	$3E^2-48F^2+144S^2$
X(35381)	119	-27
X(35382)	101	357
X(35384)	-59	207
X(35391)	$5E^2+80EF+248F^2-72S^2$	$-21E^2-408EF-1704F^2+216S^2$
X(35392)	$5E^2+80EF+316F^2-4S^2$	$-17E^2-276EF-1108F^2+12S^2$
X(35393)	$13E^2+208EF+823F^2-9S^2$	$-33E^2-537EF-2157F^2+27S^2$
X(35394)	$5E^2+80EF+199F^2-121S^2$	$4E^2-9EF-157F^2+363S^2$
X(35395)	$45E^2+720EF+1528F^2-1352S^2$	$99E^2+232EF-424F^2+4056S^2$
X(35396)	$E^2+16EF+48F^2-16S^2$	$-E^2-32EF-144F^2+48S^2$
X(35397)	$E^2+16EF+16F^2-48S^4$	$-3E^2-96EF-432F^2+144S^2$

X(35398)	$E^2+16EF+16F^2-48S^2$	$-3E^2-96EF-432F^2+144S^2$
X(35400)	-17	57
X(35401)	-7	87
X(35402)	-11	111
X(35403)	-1	33
X(35404)	-7	33
X(35405)	-39	139
X(35406)	-47	167
X(35407)	-19	67
X(35408)	-59	201
X(35409)	-14	51
X(35410)	-191	507
X(35411)	-223	591
X(35412)	-199	519
X(35413)	-205	519
X(35414)	-49	132
X(35415)	-263	503
X(35416)	-41	233
X(35417)	115	699
X(35418)	-61	84
X(35419)	-79	367
X(35420)	101	1101
X(35421)	-203	297
X(35434)	-7	51
X(35435)	-205	537
X(35446)	$8E+6F$	$-13E-6F$
X(35452)	$5E-8F$	$-13E+8F$
X(35469)	$6F+2(3)^{1/2}S$	$3(E-2F)-2(3)^{1/2}S$
X(35470)	$6F-2(3)^{1/2}S$	$3(E-2F)+2(3)^{1/2}S$
X(35471)	$4F$	$-3E-10F$
X(35472)	$10F$	$-E-10F$
X(35473)	$8F$	$E-8F$
X(35474)	$2(E+F)F$	$-3(E+F)F-S^2$
X(35475)	$8F$	$3E-8F$
X(35476)	$2(E+F)^2F+2FS^2$	$(E+F)^2(E-2F)-(E+2F)S^2$

X(35477)	7F	E-6F
X(35478)	12F	5E-12F
X(35479)	10F	-3E-10F
X(35480)	2F	-E-10F
X(35481)	4F	E-8F
X(35482)	9F	5E-F
X(35483)	11F	-3E-12F
X(35484)	6F	7E-2F
X(35485)	6F	E-8F
X(35486)	6F	-E-4F
X(35487)	2F	-4E+3F
X(35488)	2F	-E+6F
X(35489)	14F	3E+24F
X(35490)	2F	-E-12F
X(35491)	5F	-E-F
X(35492)	18F	5E-21F
X(35493)	E	-2E+16F
X(35494)	E-16F	-4E+16F
X(35495)	3E-32F	-7E+32F
X(35496)	E-32F	-5E+32F
X(35497)	E-12F	-2E+12F
X(35498)	E-24F	-5E+24F
X(35499)	5E-40F	-14E+40F
X(35500)	2E+4F	E-8F
X(35501)	5F	4E-5F
X(35502)	2F	3E-2F
X(35503)	8F	-E-12F
X(35915)	$4(E+F)S^2+(E+F)^2\text{\$ab\$}$ $+3\text{\$ab\$}S^2-\text{\$ab\$}S_C^2\text{\$}$ $+\text{\$ab\$}S_A S_B\text{\$}$	$-4(E+F)S^2-6\text{\$ab\$}S^2$
X(35916)	$(E+F)^3+3(E+F)S^2$ $+3(E+F)^2\text{\$ab\$}-2\text{\$ab\$}S_C^2\text{\$}$ $+2\text{\$ab\$}S_A S_B\text{\$}$	$-2(E+F)^2S^2-3\text{\$ab\$}S^2$
X(35917)	$(E+F)^2+(3)^{1/2}(E+F)S-2S^2$	$-(3)^{1/2}(E+F)S+3S^2$
X(35918)	$(E+F)^2-(3)^{1/2}(E+F)S-2S^2$	$(3)^{1/2}(E+F)S+3S^2$

X(35919)	$(E+F)E-2S^2$	$(E+F)^2+3S^2$
X(35920)	$(E+F)^2F-2FS^2$	$-(2E-F)S^2$
X(35921)	$2E+4F$	$-E-4F$
X(35922)	$(E-2F)(E+F)-2S^2$	$-(E+F)^2+3S^2$
X(35923)	$2(E+F)^2F-(E-2F)S^2$	$(E-8F)S^2$
X(35924)	$(E+F)^2(E+2F)+2FS^2$	$-2(E+F)^3+(E-2F)S^2$
X(35925)	$2(E+F)^2-2S^2$	$-(E+F)^2+3S^2$
X(35926)	$(E+F)(E+2F)-2S^2$	$-(E+F)^2+3S^2$
X(35927)	$(E+F)^2-4S^2$	$6S^2$
X(35928)	$(E+F)^2F+(E-F)S^2$	$-(E-2F)S^2$
X(35929)	$2(E+F)^2-(5E+6F)S^2$	$8(E+F)S^2$
X(35930)	$(E+F)^2-S^2$	$(E+F)^2+3S^2$
X(35931)	$(E+F)^2+6S^2+3(3)^{1/2}(E+F)S$	$-9S^2-3(3)^{1/2}(E+F)S$
X(35932)	$(E+F)^2+6S^2-3(3)^{1/2}(E+F)S$	$-9S^2+3(3)^{1/2}(E+F)S$
X(35933)	$3(E+F)F-8S^2$	$(E+F)^2+12S^2$
X(35934)	$(E+F)(E+2F)+2S^2$	$(E+F)(E-2F)-2S^2$
X(35935)	$3aA^2S^2+(E+F)abc+aA^2S^2$ $-aA^2S^2$	$-3aA^2S^2$
X(35936)	$(E+F)^2E-2(E+4F)S^2$	$-(E-8F)S^2$
X(35937)	$(E+F)F+2S^2$	$-3S^2$
X(35938)	$(E+F)^2-2S^2+(E+F)S$	$3S^2-(E+F)S$
X(35939)	$(E+F)^2-2S^2-(E+F)S$	$3S^2+(E+F)S$
X(35940)	$(E+F)^2F-2FS^2$	$-(E-2F)S^2$
X(35941)	$(E+F)F-2S^2$	$3S^2$
X(35942)	$3(E+F)^2-6S^2-2(3)^{1/2}(E+F)S$	$9S^2$
X(35943)	$3(E+F)^2-6S^2+2(3)^{1/2}(E+F)S$	$9S^2$
X(35944)	$(E+F)-2S$	$-(E+F)+3S$
X(35945)	$(E+F)+2S$	$-(E+F)-3S$
X(35946)	$2(E+F)-4S$	$-4(E+F)+6S$
X(35947)	$2(E+F)+4S$	$-4(E+F)-6S$
X(35948)	$(E+F)-2S$	$3S$
X(35949)	2	-3
X(35950)	$4(E+F)^2-6S^2$	$-(E+F)^2+9S^2$
X(35951)	$2(E+F)^2-6S^2$	$2(E+F)^2+9S^2$
X(35952)	$(E+F)^2F-(E+3F)S^2$	$(E+4F)S^2$

X(35953)	$(E+F)^2+2(E+F)S-2S^2$	$3S^2$
X(35954)	$5(E+F)^2-6S^2$	$9S^2$
X(35955)	$(E+F)^2+6S^2$	$-9S^2$
X(35973)	$2Fabc-F^2S_A^2$	$-(E+F)abc+(E+F)^2S_A^2$
X(35974)	$2FS^2-(E+F)F^2S^2+F^2S_C^2$	$2(E-F)S^2$
X(35975)	$(3E+4F)S^2-(E+F)^2S^2$ $+F^2S_C^2-2F^2S_A^2S_B^2$	$-4(E+F)S^2+2F^2S^2$
X(35976)	$E^2S^2+6abc-2F^2S_A^2$	$-4abc+2F^2S_A^2$
X(35977)	$E^2S^2-2abc-F^2S_A^2$	$3abc+F^2S_A^2$
X(35978)	$(E-2F)E^2S^2+2(E+F)^2abc$ $-6abcS^2+2F^2S_A^3$	$2(E+F)E^2S^2+8abcS^2+2F^2S_A^3S^2$
X(35979)	$E^2S^2-2F^2S_A^2$	$2abc+2F^2S_A^2$
X(35980)	$(E+2F)E^2S^2+4abc+2F^2S_A^2$	$-2(E+F)E^2S^2-6abc-2F^2S_A^2$
X(35981)	$E^2S^2+(E+F)abc+E^2S_A^2$ $+F^2S_B^2S_C^2$	$-2E^2S^2-(E+F)abc-F^2S_B^2S_C^2$ $-F^2S_A^2$
X(35982)	$3E^2S^2-2abc-4F^2S_A^2$	$14abc+4F^2S_A^2$
X(35983)	$3E^2S^2+2(E+F)^2S^2-4F^2S^2$ $-2F^2S_C^2$	$2F^2S^2$
X(35984)	$(E+F)^2S^2-F^2S_C^2$ $+2F^2S_A^2S_B^2$	$2F^2S^2$
X(35985)	$3E^2S^2-F^2S_A^2$	$3abc+F^2S_A^2$
X(35986)	$F^2S^2-2abc+4F^2S_A^2$	$-4abc-4F^2S_A^2$
X(35987)	$F^2S_A^2+F^2S_A^2+F^2S_B^2S_C^2$	$-F^2S^2-2F^2S_A^2$
X(35988)	$(E+2F)E^2S^2+abc$	$-2(E+F)E^2S^2$
X(35989)	$E^2S^2+4abc+2F^2S_A^2$	$-6abc-2F^2S_A^2$
X(35990)	$E^2S^2-F^2S_A^2$	$3abc+F^2S_A^2$
X(35991)	$(E-3F)E^2S^2+(E+F)^2abc$ $-2abcS^2+F^2S_A^3$	$3(E+F)E^2S^2+5abc+F^2S_A^3S^2$
X(35992)	$(E+F)^2S^2-F^2S^2$ $-F^2S_C^2$	$2F^2S^2$
X(35993)	$F^2S_A^2$	$-(E+F)abc+F^2S_B^2S_C^2$
X(35994)	$2Fabc-F^2S_A^2$	$-F^2S_B^2S_C^2$
X(35995)	$E^2S^2-(E+F)F^2S^2+2F^2S^2$ $+F^2S_C^2$	$-E^2S^2-3F^2S^2+F^2S_A^2S_B^2$
X(35996)	$(E+2F)E^2S^2+2abc$	$-2(E+F)E^2S^2$

X(35997)	$(5E+6F)a^2+10abc+4a^3S_A$	$-6(E+F)a^2-12abc-4a^3S_A$
X(35998)	$(E+2F)a^2+4abc$	$-2(E+F)a^2+4abc$
X(35999)	$(E-2F)a^2S^2+2(E+F)^2abc$ $-2abcS^2+2a^3S_A$	$2(E+F)a^2S^2+4abcS^2+2a^3S_A S^2$
X(36000)	$(E-2F)a^2S^2+2(E+F)^2abc$ $-4abcS^2+2a^3S_A$	$2(E+F)a^2S^2+4abcS^2+2a^3S_A S^2$