lp	alpha_t[1]	alpha_t[2]	z_s[1,1]	z_s[2,1]	z_s[1,2]	z_s[2,2]	z_s[1,3]	z_s[2,3]	z_i[1,1]	z_i[2,1]	z_i[1,2]	z_i[2,2]	z_i[1,3]	z_i[2,3]	
z_i[1,4]	z_i[2,4]	z_i[1,5]	z_i[2,5]	z_i[1,6]	z_i[2,6]	z_i[1,7]	z_i[2,7]	z_i[1,8]	z_i[2,8]	z_i[1,9]	z_i[2,9]	z_i[1,10]	z_i[2,10]	z_i[1,11]	
_i[2,11]	z_i[1,12]	z_i[2,12]	z_i[1,13]	z_i[2,13]	z_i[1,14]	z_i[2,14]	z_i[1,15]	z_i[2,15]	z_i[1,16]	z_i[2,16]	z_i[1,17]	z_i[2,17]	z_i[1,18]	z_i[2,18]	
_i[1,19]	z_i[2,19]	z_i[1,20]	z_i[2,20]	z_i[1,21]	z_i[2,21]	z_i[1,22]	z_i[2,22]	z_i[1,23]	z_i[2,23]	z_i[1,24]	z_i[2,24]	z_i[1,25]	z_i[2,25]	z_i[1,26]	
_i[2,26]	z_i[1,27]	z_i[2,27]	z_i[1,28]	z_i[2,28]	z_i[1,29]	z_i[2,29]	z_i[1,30]	z_i[2,30]	z_i[1,31]	z_i[2,31]	z_i[1,32]	z_i[2,32]	z_i[1,33]	z_i[2,33]	
_i[1,34]	z_i[2,34]	z_i[1,35]	z_i[2,35]	z_i[1,36]	z_i[2,36]	z_i[1,37]	z_i[2,37]	z_i[1,38]	z_i[2,38]	z_i[1,39]	z_i[2,39]	z_i[1,40]	z_i[2,40]	z_i[1,41]	
_i[2,41]	z_i[1,42]	z_i[2,42]	z_i[1,43]	z_i[2,43]	z_i[1,44]	z_i[2,44]	z_i[1,45]	z_i[2,45]	sigma_s[1]	sigma_s[2]	sigma_i[1]	sigma_i[2]	nu	alpha_s[1,1]	Chain — 1 — 2 — 3
ha_s[2,1]	alpha_s[1,2]	alpha_s[2,2]	alpha_s[1,3]	alpha_s[2,3]	alpha_i[1,1]	alpha_i[2,1]	alpha_i[1,2]	alpha_i[2,2]	alpha_i[1,3]	alpha_i[2,3]	alpha_i[1,4]	alpha_i[2,4]	alpha_i[1,5]	alpha_i[2,5]	 3 4 5 6 7
oha_i[1,6]	alpha_i[2,6]	alpha_i[1,7]	alpha_i[2,7]	alpha_i[1,8]	alpha_i[2,8]	alpha_i[1,9]	alpha_i[2,9]	ılpha_i[1,10	ılpha_i[2,10	ılpha_i[1,11	ılpha_i[2,11	lpha_i[1,12	lpha_i[2,12	llpha_i[1,13	— 8
ha_i[2,13	ılpha_i[1,14	lpha_i[2,14	llpha_i[1,15	lpha_i[2,15	ılpha_i[1,16	ılpha_i[2,16	ılpha_i[1,17	ılpha_i[2,17	ılpha_i[1,18	lpha_i[2,18	ılpha_i[1,19	llpha_i[2,19	lpha_i[1,20	lpha_i[2,20	
ha_i[1,21	lpha_i[2,21	lpha_i[1,22	lpha_i[2,22	lpha_i[1,23	ılpha_i[2,23	ılpha_i[1,24	ılpha_i[2,24	ılpha_i[1,25	ılpha_i[2,25	ılpha_i[1,26	ılpha_i[2,26	lpha_i[1,27	dpha_i[2,27	lpha_i[1,28	
ha_i[2,28	llpha_i[1,29	lpha_i[2,29	lpha_i[1,30	lpha_i[2,30	ılpha_i[1,31	ılpha_i[2,31	ılpha_i[1,32	ılpha_i[2,32	ılpha_i[1,33	llpha_i[2,33	lpha_i[1,34	llpha_i[2,34	ılpha_i[1,35	llpha_i[2,35	
ha_i[1,36	lpha_i[2,36	lpha_i[1,37	lpha_i[2,37	lpha_i[1,38	ılpha_i[2,38	ılpha_i[1,39	llpha_i[2,39	ılpha_i[1,40	ılpha_i[2,40	ılpha_i[1,41	ılpha_i[2,41	lpha_i[1,42	lpha_i[2,42	lpha_i[1,43	
ha_i[2,43	lpha_i[1,44	lpha_i[2,44	llpha_i[1,45	lpha_i[2,45	2040060080000	204060800000	204060800000	20406000000	20406080000	20406060600000	204060800000	20406000000	204060600000	(2040@000000	
	i[1,4] i[2,11] i[1,19] i[2,26] i[1,34] i[2,41] ha_i[1,6] ha_i[1,6] ha_i[2,13	i[1,4] z_i[2,4] i[2,11] z_i[1,12] i[1,19] z_i[2,19] i[2,26] z_i[1,27] i[1,34] z_i[2,34] i[2,41] z_i[1,42] ha_s[2,1] alpha_s[1,2] ha_i[1,6] alpha_i[2,6] ha_i[1,21 dlpha_i[2,21] ha_i[2,13 dlpha_i[1,14] ha_i[1,21 dlpha_i[2,21] ha_i[2,43 dlpha_i[1,44] ha_i[2,43 dlpha_i[1,44]	i[1,4] z.i[2,4] z.i[1,5] i[2,11] z.i[1,12] z.i[2,12] i[1,19] z.i[2,19] z.i[1,20] i[1,34] z.i[2,34] z.i[1,35] i[2,41] z.i[1,42] z.i[2,42] ha_s[2,1] alpha_s[1,2] alpha_s[2,2] ha_i[1,6] alpha_i[2,6] alpha_i[1,7] aa_i[2,13] dpha_i[1,14] dpha_i[2,14] aa_i[2,13] dpha_i[1,14] dpha_i[2,14] aa_i[2,28] dpha_i[1,29] dpha_i[2,29] aa_i[2,28] dpha_i[1,29] dpha_i[2,29] aa_i[2,28] dpha_i[2,36] dpha_i[1,37] aa_i[2,43] dpha_i[1,44] dpha_i[2,44]	i[1,4] z_i[2,4] z_i[1,5] z_i[2,5] i[2,11] z_i[1,12] z_i[2,12] z_i[1,13] i[1,19] z_i[2,19] z_i[1,20] z_i[2,20] i[2,26] z_i[1,27] z_i[2,27] z_i[1,28] i[1,34] z_i[2,34] z_i[1,35] z_i[2,35] i[2,41] z_i[1,42] z_i[2,42] z_i[1,43] ha_s[2,1] ilpha_s[1,2] ilpha_s[2,2] ilpha_s[1,3] ha_i[1,6] alpha_i[2,6] alpha_i[1,7] alpha_i[2,7] ha_i[1,1] ilpha_i[2,21] ilpha_i[2,14] ilpha_i[2,7] ha_i[1,21] dpha_i[1,14] ilpha_i[2,14] ilpha_i[1,15] ha_i[1,22] dpha_i[1,23] ilpha_i[2,22] ilpha_i[1,30] ha_i[1,24] dpha_i[1,25] ilpha_i[2,29] ilpha_i[1,30] ha_i[1,26] dpha_i[1,29] ilpha_i[2,29] ilpha_i[1,30] ha_i[1,36] dpha_i[1,36] ilpha_i[2,44] ilpha_i[2,37] ha_i[1,36] dpha_i[1,36] ilpha_i[2,44] ilpha_i[1,37] ilpha_i[2,37] ha_i[1,36] dpha_i[1,44] dpha_i[2,44] ilpha_i[1,45]	ij(1,4)					1414		14 15 15 15 15 15 15 15	Company Comp	Columbia Columbia	

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