

## Coding scheme for sequential discourse

### Gerry Stahl

The coding scheme in Table 1 was developed based on the analysis of adjacency pairs in (Schegloff, 2007). It was applied to the log of POW Session 4 of Team B, conducted during VMT SpringFest 2006 (see attached Appendix). This scheme was discussed in (Stahl, 2011a; 2011b; 2011c; 2011d). The same log was analyzed in various other VMT publications, including some collected in (Stahl, 2009).

The basic idea is that discourse is built up hierarchically: from (g) various indexical references (e.g., “that”) in (f) textual utterances (e.g., chat postings) contributing to (e) adjacency pairs (e.g., question/answer). Sequences of adjacency pairs (including extensions and recursive embeddings) form (d) discourse moves, which contribute to (c) conversational topics (that are opened and closed). Topics are included in larger (b) group events, which make up (a) the entire session (e.g., Session 4 of Team B).

In Table 1, examples of (c) through (f) are included under those headings.

Schegloff’s symbols are listed for use in coding utterances in adjacency pairs. For each symbol, its meaning is given.

A list of some common FPPs of adjacency pairs are listed, with their corresponding SPPs.

Inserted in the bottom of Table 1, the four typical Turn Constructional Units are listed, with their common constituent utterances. These are discussed in (Zemel & Stahl, 2010).

Table 1. Coding Scheme.

VMT 2006	Spring Fest	Team B	Session 4				
(c) Conversational Topic	(d) Discourse Move	(e) Adjacency Pair	(f) Textual Utterance	(g) Indexical Reference		(b) Group Event	(a) Temporal Session
transition	anticipate	announcement	announce; acknowledge; follow up				
opening	close	compliment	compliment; acknowledge	<b>Schegloff symbols</b>	<b>meaning of symbol</b>	<b>FPP</b>	<b>SPP</b>
technical	open	explanation	explain; acknowledge; follow up	F, Fbase	first pair part (base FPP)	question / ask	answer
feedback	return to	greeting	greet; return greeting; farewell; return farewell	S, Sbase	second pair part (base SPP)	request	grant
select	introduce new approach	joke	joke; laugh; respond to joke; return laughter	Fpre	pre-sequence FPP	offer *	reject

review	terminate use of approach	proposal	propose; acknowledge; ratify; reject; follow up	Spre	pre-sequence SPP	invite *	accept
wiki		question	question; answer; agree; disagree; follow up	Fins	insert sequence FPP	announce	decline
equation		request	request; acknowledge; accept; reject; follow up	Sins	insert sequence SPP	greet	agree
indexing		suggestion	suggest; acknowledge; ratify; reject; follow up	SCT	sequence closing third	farewell	disagree
compare		directive	direct; acknowledge; receive; reject; follow up; report	Fpost	post sequence FPP	notice *	acknowledge
strategy		evaluation	evaluate; acknowledge; agree; disagree	Spost	post sequence SPP	promise *	contest
wrong		commentary	comment; acknowledge; agree; disagree	+S	preferred SPP	tell *	tease
celebrate		clarification	clarify; acknowledge	PCM	post completion musing	complain *	finess
facilitator		repair	self-correct; question; clarify; acknowledge			propose	comply
follow-up		failed X escalated X		ni	non-interactive or system message	suggest	perform
closing		+ (continuation)	+ (continue)	+	continuation	request	ratify
construction						direct	follow up
narrative		<b>TCU: turn constructional unit</b>	<b>Zemel &amp; Stahl NCA 2010 paper &amp; spreadsheet -- actions</b>			joke	receive
reflection		PRU	proposal, ratification, follow up			laugh	report
		SRU	suggestion, ratification, follow up			compliment	assess
		RAU	request, acknowledge, follow up			explain	return
		DCR	directive, receipt, follow up, report			clarify	clarify
						repair	
						evaluate	
						comment	

## References

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- Stahl, G. (2011c). How to study group cognition. In S. Puntambekar, G. Erkens & C. Hmelo-Silver (Eds.), *Analyzing interactions in CSCL: Methodologies, approaches and issues*. (pp. 107-130). New York, NY: Springer. Web: <http://GerryStahl.net/pub/analyzinginteractions.pdf>.
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- Zemel, A., & Stahl, G. (2010). *Coordinating collaborative action in online math problem-solving*. In the proceedings of the National Communication Association's 96th Annual Convention (NCA 2010). San Francisco, CA. Web: <http://GerryStahl.net/pub/nca2010.pdf>.

## Appendix

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1	Line #	Date	Time Start Typing	Time Posting	Duration of Pause	Bwang8	Azrx	Quicksilver	Gerry	J Explicit Ref	K Threading	L Code	M Utterance Category	N Adjacency Pair	O Discourse Move	P Conversational Topic	Q Analytic Comment	
2	1141	5/17/06	0:18:14	0:18:23		Sorry I have to leave early						ni	announce	non-interactive	anticipate issue of early leaving	Transition	Announcement not taken up until 1615	
3	1142	5/17/06	0:18:26	0:18:56	0:00:33	I updated our wiki page to explain the equation from the last session						ni	announce	non-interactive	anticipate review of wiki	Transition	Announcement taken up at 1216	
4	1143	5/17/06	0:34:13	0:34:54	0:15:58	I also added some stuff, change anything you want					1142	ni	announce	non-interactive		Transition		
5	1144	5/17/06	0:39:49	0:39:55	0:05:01	I hope you can read this					1143	ni	announce	non-interactive		Transition		
6	1145	5/17/06		0:39:59	0:00:04	leaves the room						ni		system		Transition		
7	1146	5/17/06		14:01:20	13:21:21			joins the room				ni		system		Transition		
8	1147	5/17/06		14:26:46	0:25:26							ni		non-interactive		Transition		
9	1148	5/17/06		14:32:44	0:05:58							ni		non-interactive		Transition		
10	1149	5/17/06		14:53:05	0:20:21							ni		non-interactive		Transition		
11	1150	5/17/06	17:32:22	17:32:41	2:39:36			Here is some feedback from the VMT mentors.		#TextStuff		ni	announce	non-interactive	anticipate discussion of facilitator feedback	Transition	Announcement taken up at 1183	
12	1151	5/17/06		17:34:26	0:01:45			leaves the room				ni		system		Transition		
13	1152	5/18/06		18:35:44	1:01:18			joins the room				ni		system		Opening	Preparations and greetings	
14	1153	5/18/06		18:53:08	0:17:24	joins the room						ni		system		Opening		
15	1154	5/18/06	18:53:20	18:53:20	0:00:12	hi						F	greet	greeting	open greetings	Opening		
16	1155	5/18/06	18:55:15	18:55:45	0:02:25	$\$sum(1,n,3)=$						ni	experiment	non-interactive		Opening		
17	1156	5/18/06	18:55:49	18:55:59	0:00:14	$\$sum(1,n,3)=\$$						1155	ni	experiment	non-interactive		Opening	
18	1157	5/18/06	18:57:22	18:57:58	0:01:59	$\$sum(1,n,1)=? 4n(n+1)+(n+1)$						1156	ni	experiment	non-interactive		Opening	
19	1158	5/18/06		18:58:10	0:00:12			joins the room				ni		system		Opening		
20	1159	5/18/06		18:58:29	0:00:19			leaves the room				ni		system		Opening		
21	1160	5/18/06	18:58:41	18:58:42	0:00:13	$\$sum(1,n,1)=? 4n(n+1)+(n+1)\$$				1157	1157	ni	experiment	non-interactive		Opening		
22	1161	5/18/06	18:58:47	18:58:52	0:00:10	$\$sum(1,n,1)=4n(n+1)+(n+1)\$$						1160	ni	experiment	non-interactive		Opening	
23	1162	5/18/06	18:59:02	18:59:09	0:00:17	$\$sum(1,n,1)=4n(n+1)+(n+1)\$$						1161	ni	experiment	non-interactive		Opening	
24	1163	5/18/06	18:59:14	18:59:28	0:00:19	$\$sum(1,n,1)=74n(n+1)+(n+1)\$$						1162	ni	experiment	non-interactive		Opening	
25	1164	5/18/06	18:59:30	18:59:34	0:00:06	$\$sum(1,n,1)=4n(n+1)+(n+1)\$$						1163	ni	experiment	non-interactive		Opening	
26	1165	5/18/06	18:59:50	18:59:59	0:00:25	$\$sum(n=1,n,1)=4n(n+1)+(n+1)\$$						1164	ni	experiment	non-interactive		Opening	
27	1166	5/18/06		19:00:10	0:00:11			joins the room				ni		system		Opening		
28	1167	5/18/06	19:00:16	19:00:17	0:00:07	hi						1154	S	return greeting		Opening		
29	1168	5/18/06		19:00:26	0:00:09			joins the room				ni		system		Opening		
30	1169	5/18/06	19:00:15	19:00:26	0:00:00			lol azrx joined the lobby at exactly 4 pm.				1168	F	laugh	joke		Opening	Quicksilver is on the US West Coast, three hours behind the East Coast where the log was recorded in local time.
31	1170	5/18/06	19:00:34	19:00:35	0:00:09	lol						1169	S	laugh at joke		Opening		
32	1171	5/18/06	19:00:36	19:00:36	0:00:01	ok						1168	SCT	agree		Opening		
33	1172	5/18/06	19:00:39	19:00:49	0:00:13	do the rewind button on the chat thing						1171	F	suggest	suggestion		Opening	
34	1173	5/18/06	19:00:44	19:00:55	0:00:06			lol. U guys are punctual				1169	S, F	laugh at joke; give compliment	compliment		Opening	
35	1174	5/18/06	19:00:56	19:00:58	0:00:03			Hey everyone				1167	F	greet	greeting		Opening	
36	1175	5/18/06		19:01:03	0:00:05			leaves the room						system		Technical	Technical: problems with the Internet	
37	1176	5/18/06	19:01:02	19:01:03	0:00:00	hi						1174	S	return greeting		Opening		
38	1177	5/18/06	19:01:05	19:01:05	0:00:02			hey				1174	S	return greeting		Opening		
39	1178	5/18/06		19:01:07	0:00:02			joins the room				ni		system		Technical		
40	1179	5/18/06	19:01:09	19:01:10	0:00:03			thanks				1173	S	acknowledge compliment		Opening		
41	1180	5/18/06		19:01:41	0:00:31			leaves the room				ni		system		Technical		
42	1181	5/18/06	19:01:45	19:01:45	0:00:04	?						1180	F	ask question	failed question		Technical	
43	1182	5/18/06		19:01:47	0:00:02			joins the room				ni		ask question		Technical		
44	1183	5/18/06	19:01:25	19:01:48	0:00:01			Can everyone see the purple feedback? Someone moved it over a bit				none	F	ask question	question	open discussion of feedback	Feedback	Feedback: discussion of facilitator feedback
45	1184	5/18/06	19:01:58	19:01:58	0:00:08	ywa						1183	S	agree		Feedback		
46	1185	5/18/06	19:01:58	19:01:58	0:00:02	yes						1184	S	self repair		Feedback		
47	1186	5/18/06	19:02:00	19:02:01	0:00:03			yes				1183	S	agree		Feedback		
48	1187	5/18/06	19:02:21	19:02:28	0:00:27	$\$sum(n=1,n,1)=4^n(n+1)+(n+1)\$$						1165	ni	experiment		Opening		
49	1188	5/18/06	19:02:31	19:02:32	0:00:04	test						none	ni	experiment		Technical		
50	1189	5/18/06	19:02:35	19:02:36	0:00:04	test						1187	F	explain	failed explanation	Opening		
51	1190	5/18/06	19:02:34	19:02:38	0:00:02	I can't see my own messages						1188	F	explain	failed explanation	Technical		
52	1191	5/18/06	19:02:41	19:02:43	0:00:05			I can				1190	S	follow up		Technical		
53	1192	5/18/06	19:02:40	19:02:44	0:00:01			I'm going to log out				1190	F	announce	announcement	Technical		
54	1193	5/18/06	19:02:45	19:02:46	0:00:02	completely						1192	+			Technical		
55	1194	5/18/06	19:02:47	19:02:48	0:00:02			ok				1192	S	acknowledge		Technical		
56	1195	5/18/06	19:02:47	19:02:52	0:00:04			and try back logging in				1193	+			Technical		
57	1196	5/18/06	19:02:52	19:02:52	0:00:00	ok						1192	S	acknowledge		Technical		
58	1197	5/18/06	19:02:52	19:02:53	0:00:01			hold on				1195	F	request	request	Technical		
59	1198	5/18/06	19:02:56	19:02:56	0:00:03			k				1197	S	accept		Technical		
60	1199	5/18/06	19:02:54	19:02:56	0:00:00			hey				1195	F	announce	announcement	Technical		
61	1200	5/18/06	19:02:57	19:02:59	0:00:03			it loaded!				1199	+			Technical		
62	1201	5/18/06	19:03:00	19:03:01	0:00:02			#NAME?				1200	+			Technical		
63	1202	5/18/06	19:03:07	19:03:09	0:00:08	great						1199	S	acknowledge		Technical		
64	1203	5/18/06	19:03:36	19:03:44	0:00:35			for this session, it says to revisit an old problem				1183	Fpre	announce	announcement	return to discussion of feedback	Select	Select:discussion of math topic
65	1204	5/18/06	19:04:09	19:04:10	0:00:26			Hm.				1203	Spre	acknowledge		Select		

1	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
Line #	Date	Time Start Typing	Time Posting	Duration of Pause	Bwang8	Aznx	Quicksilver	Gerry	J	Explicit Ref	Threading	Code	Utterance Category	Adjacency Pair	Discourse Move	Conversational Topic	Analytic Comment	
66	1205	5/18/06	19:04:11	19:04:16	0:00:06		Let's make a new problem					1203	Fbase	follow up, propose	proposal	open selection of a new problem	Select	
67	1206	5/18/06	19:03:57	19:04:18	0:00:02	the pyramid one that we didn't finish last time						1205	Fins1	follow up, propose	proposal		Select	
68	1207	5/18/06	19:04:17	19:04:21	0:00:03		Not necessarily 3-D					1206	Fins2	follow up, propose	proposal		Select	
69	1208	5/18/06	19:04:25	19:04:26	0:00:05		Yeah					1206	Sins1	ratify			Select	
70	1209	5/18/06	19:04:30	19:04:31	0:00:05			ok				1207	Sins2	ratify			Select	
71	1210	5/18/06	19:04:28	19:04:32	0:00:01		let's do the pyramid one					1205	Sbase	ratify			Select	
72	1212	5/18/06	19:05:03	19:05:09	0:00:37		How do you remove things from the board?					none	F	question	question	open technical question	Technical	
73	1213	5/18/06	19:05:14	19:05:18	0:00:09			u select and delete				1212	S	answer	proposal		Technical	
74	1214	5/18/06	19:05:01	19:05:22	0:00:04	it is the 2 flat sided pyramid						1210	Fpost	clarify	clarification		Select	
75	1215	5/18/06	19:05:28	19:05:34	0:00:12			oh yes...like the corner of a room				1214	Spost	acknowledge			Select	
76	1216	5/18/06	19:05:33	19:05:42	0:00:08	by the way check out our wiki page						none	F	propose	proposal	open review of wiki	Select	
77	1217	5/18/06	19:05:43	19:05:45	0:00:03		How do you delete?					1213	Fpost	question	question		Technical	
78	1218	5/18/06	19:05:45	19:05:45	0:00:00			ok				1216	S	acknowledge			Select	
79	1220	5/18/06	19:05:43	19:05:48	0:00:03	i updated some stuff						1216	Fpost	announce	failed announcement		Select	
80	1221	5/18/06	19:05:49	19:05:52	0:00:04		I see how you select.					1217	Fins1	clarify	clarification		Technical	
81	1222	5/18/06	19:05:56	19:05:58	0:00:06		But how to delete?					1221	Fins2	question	question		Technical	
82	1223	5/18/06	19:05:56	19:06:06	0:00:08	del button on your keyboard would work						1222	Spost, Sins1, Sins2	answer			Technical	
83	1224	5/18/06	19:06:10	19:06:11	0:00:05		yea					1223	Sins2	agree		close technical question	Select	
84	1225	5/18/06	19:06:42	19:07:07	0:00:56	can someone make our wiki page clearer						1220	F	question	question		Wiki	
85	1226	5/18/06	19:07:11	19:07:19	0:00:12	i can't explain it clear enough						1225	+	+			Wiki	
86	1227	5/18/06	19:07:18	19:07:25	0:00:06			indram! can u stop deleting for a sec				1224	F	request	request		Select	use of real name
87	1228	5/18/06	19:07:31	19:07:39	0:00:14		i can't even see anything for team b on the wiki					1225	Fins1	announce	failed announcement	open problem with viewing wiki	Wiki	
88	1229	5/18/06	19:07:28	19:07:39	0:00:00		Should I delete the session II board?					1227	Fins2	question	question		Select	
89	1230	5/18/06	19:07:50	19:07:55	0:00:16			just minimize				1229	Sins2	answer			Select	
90	1231	5/18/06	19:08:13	19:08:14	0:00:19	ok						1230	Sins2	agree			Select	
91	1232	5/18/06	19:08:16	19:08:16	0:00:02		ok					1230	SCTins2	accept			Select	
92	1233	5/18/06	19:08:20	19:08:27	0:00:11			i don't see anything on the wiki for team b				1225	Fins1	announce	escalated announcement		Wiki	
93	1234	5/18/06	19:08:32	19:08:33	0:00:06	?						1233	Fins3	question	repair		Wiki	
94	1235	5/18/06	19:08:41	19:08:43	0:00:10			i see team a and c				1233	Sins3	answer			Wiki	
95	1236	5/18/06	19:08:44	19:08:46	0:00:03			but i don't see team b				1235	+	+			Wiki	
96	1237	5/18/06	19:09:04	19:09:04	0:00:18		?					1236	Fins3	question	repair		Wiki	
97	1238	5/18/06	19:09:03	19:09:04	0:00:00	which page						1236	Fins4	question	question		Wiki	
98	1239	5/18/06	19:09:07	19:09:08	0:00:04	are you on						1238	+	+			Wiki	
99	1240	5/18/06	19:09:19	19:09:20	0:00:12			o wait...				1236	F	request	request		Wiki	
100	1241	5/18/06	19:09:21	19:09:26	0:00:06			I'm on patterns for the sticks				1240	Fins	clarify	clarification		Wiki	
101	1242	5/18/06	19:10:03	19:10:05	0:00:39		I see it.					1237	S	announce			Wiki	
102	1243	5/18/06	19:10:05	19:10:06	0:00:01			k got it				1241	SCT	announce		close problem of wiki	Wiki	
103	1244	5/18/06	19:10:02	19:10:46	0:00:40			click on the wiki "Index" -- you might want <a href="http://mathforum.org/wiki/VMTStudents/VMTStudents?OtherSticksProblemsIdeas">http://mathforum.org/wiki/VMTStudents/VMTStudents?OtherSticksProblemsIdeas</a>				1236	F	announce	announcement		Wiki	
104	1245	5/18/06	19:10:52	19:11:02	0:00:16			i got it already, but thanks			1244	1244	S	acknowledge		close problem of wiki	Wiki	
105	1246	5/18/06	19:11:39	19:11:46	0:00:44			what happened at the bottom of the comments?				1245	F	question	failed question	open new problem with wiki	Wiki	
106	1247	5/18/06	19:11:53	19:11:54	0:00:08		Ok.					1243	SCT	acknowledge			Wiki	
107	1248	5/18/06	19:11:55	19:12:00	0:00:06	Let's first discuss about the feedback.						1247	F	propose	proposal	open discussion of feedback	Feedback	
108	1249	5/18/06	19:12:06	19:12:06	0:00:06	ok						1248	S	agree			Feedback	
109	1250	5/18/06	19:12:02	19:12:06	0:00:00		As usual, what do you guys					1248	F	question	question		Feedback	
110	1251	5/18/06	19:12:08	19:12:18	0:00:12	yeah, we didn't work that well last session						1249	S	agree			Feedback	
111	1252	5/18/06	19:12:22	19:12:38	0:00:20	i don't think we understand each other's point						1251	F	propose	proposal		Feedback	
112	1253	5/18/06	19:12:46	19:12:51	0:00:13		I kind of agree and disagree.					1252	S	agree			Feedback	
113	1254	5/18/06	19:12:58	19:12:59	0:00:08			same				1253	S	agree			Feedback	
114	1255	5/18/06	19:12:59	19:13:12	0:00:13			because sometimes we weren't clear on what the problem actually was.				1254	F	propose	proposal		Feedback	
115	1256	5/18/06	19:12:53	19:13:14	0:00:02	I disagree because sometimes, by having a different aspect of the other person's point of view, you come up with a new concept but the problem						1253	S, F	disagree, follow up	proposal		Feedback	
116	1257	5/18/06	19:13:22	19:13:23	0:00:09	ok						1256	S	agree			Feedback	
117	1258	5/18/06	19:13:33	19:13:34	0:00:11			yea				1256	S	agree			Feedback	
118	1259	5/18/06	19:13:26	19:13:39	0:00:05		This would allow us to further investigate not only the answer, but the reason behind it.					1256	F	propose	proposal		Feedback	
119	1260	5/18/06	19:13:35	19:13:52	0:00:13			we might understand the person differently than the other person would.			1256	1256	S, F	agree, follow up	proposal		Feedback	
120	1261	5/18/06	19:13:43	19:13:56	0:00:04		Plus, it become much easier to draw more problems similar to it from just one problem.					1259	+	+			Feedback	
121	1262	5/18/06	19:14:08	19:14:10	0:00:14	yeah						1261	S	agree			Feedback	
122	1263	5/18/06	19:14:02	19:14:17	0:00:07			yes...but at the same time we can't really focus in on one				1261	F	agree, follow up	proposal		Feedback	
123	1264	5/18/06	19:14:18	19:14:23	0:00:06			but it is good we are finding similarities				1263	+	+		close discussion of feedback	Feedback	
124	1265	5/18/06	19:14:26	19:14:28	0:00:05			to other problems				1264	+	+			Feedback	
125	1266	5/18/06	19:14:23	19:14:38	0:00:10	let's just focus on diamond problem today						1263	F	propose	proposal	open selection of a problem	Select	
126	1267	5/18/06	19:14:36	19:14:44	0:00:06		So let's really focus on the pyramid.					1263	F	propose	proposal		Select	

1	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
Line #	Date	Time Start	Time Posting	Duration of Pause	Bwang8	Aznx	Quicksilver	Gerry	J	Explicit Ref	Threading	Code	Utterance Category	Adjacency Pair	Discourse Move	Conversational Topic	Analytic Comment	
127	5/18/06	19:14:39	19:14:48	0:00:04	we almost got the solution last session							1266	+	+			Select	
128	5/18/06	19:14:48	19:14:49	0:00:01			lol					1266, 1267	F	laugh	repair		Select	
129	5/18/06	19:14:46	19:14:49	0:00:00		Diamond or pyramid?						1266, 1267	F	question	repair		Select	
130	5/18/06	19:14:53	19:14:55	0:00:06	diamond							1270	S	answer			Select	
131	5/18/06	19:14:58	19:14:59	0:00:04		aditya?						1270, 1271	F	question	question		Select	use of real name
132	5/18/06	19:14:55	19:15:02	0:00:03	because we worked on it longer							1271	+	+			Select	
133	5/18/06	19:15:02	19:15:03	0:00:01			diamond					1272	S	answer			Select	
134	5/18/06	19:15:06	19:15:08	0:00:05		agreed then						1274	SCT	ratify			Select	
135	5/18/06	19:15:11	19:15:11	0:00:03	ok							1275	S	agree			Select	
136	5/18/06	19:15:06	19:15:13	0:00:02			we have a more thorough understanding of it					1274	F	proposal	proposal		Select	
137	5/18/06	19:15:17	19:15:18	0:00:05	yeah							1277	S	agree			Select	
138	5/18/06	19:15:54	19:15:57	0:00:39			so where were we?					1277	F	question	question	close selection of problem	Review	start of excerpt from ICCE 2009 paper
139	5/18/06	19:15:23	19:16:00	0:00:03	so right now we know that we must calculate the number of squares on each level by making a big square and minus the 4							1279	S	answer			Review	
140	5/18/06	19:15:22	19:16:03	0:00:03		I'd say, we work on the pyramid problem, solve it thoroughly, and then state the solution as they suggested in the feedback. Then, if we have enough time, which probably will, we'll start on the pyramid problem.						1275	F	propose	proposal		Select	
141	5/18/06	19:16:16	19:16:21	0:00:18			u said two pyramid problems?					1281	Fins	question	repair		Select	
142	5/18/06	19:16:24	19:16:27	0:00:06			read ur thing again			1281		1281	+	+			Select	
143	5/18/06	19:16:27	19:16:27	0:00:00		OOps						1283	Sins	answer			Select	
144	5/18/06	19:16:30	19:16:34	0:00:07		I meant in the first part the diamond problem						1284	+	+			Select	
145	5/18/06	19:16:34	19:16:37	0:00:03		not the pyramid						1285	+	+			Select	
146	5/18/06	19:16:38	19:16:41	0:00:04								1286	+	+			Select	
147	5/18/06	19:16:41	19:16:41	0:00:00		lol				1281		1281	Fins	laugh	repair		Select	
148	5/18/06	19:16:41	19:16:45	0:00:04			so do diamond?					1287	Fins	question	question		Select	
149	5/18/06	19:16:43	19:16:49	0:00:04		so we first work on the diamond solutions						1289	Sins	answer			Select	
150	5/18/06	19:16:51	19:16:51	0:00:02	yeah							1290	Sins	agree			Select	
151	5/18/06	19:16:52	19:16:57	0:00:06		we pretty much solved it didnt						1291	F	question	question		Select	
152	5/18/06	19:17:05	19:17:09	0:00:12	yeah							1292	S	agree			Select	
153	5/18/06	19:17:05	19:17:11	0:00:02		Well 50% of it I should say.						1292	S	answer			Select	
154	5/18/06	19:17:02	19:17:15	0:00:04			lets just recap the process					1292	F	propose	proposal	open recap of work	Review	
155	5/18/06	19:17:16	19:17:27	0:00:12			from the point of view who had never seen this problem					1295	+	+			Review	
156	5/18/06	19:17:16	19:17:32	0:00:05	we know how to calculate the big square in a level							1295	S	follow up			Review	
157	5/18/06	19:17:43	19:17:44	0:00:12		ok hold on						1297	F	request	request		Review	
158	5/18/06	19:17:45	19:17:50	0:00:05		as in this				#whiteboardDoc		1297	+	+			Review	
159	5/18/06	19:17:54	19:17:56	0:00:06	whole thing							1299	+	+			Review	
160	5/18/06	19:17:45	19:17:57	0:00:01			our objective is to find the amount of squares and sticks in each level right?					1298	F	question	question		Review	
161	5/18/06	19:18:02	19:18:03	0:00:06	yeo							1301	S	agree			Review	
162	5/18/06	19:18:04	19:18:04	0:00:01	yep							1302	S	self-repair			Review	
163	5/18/06	19:18:01	19:18:08	0:00:04		Yeah, intending that it is n.						1301	S	agree			Review	
164	5/18/06	19:18:08	19:18:10	0:00:02			that was step a from the comments					1301	F	propose	proposal		Review	
165	5/18/06	19:18:13	19:18:15	0:00:05								1305	+	+			Review	
166	5/18/06	19:18:15	19:18:18	0:00:03		no, step one						1305	S	disagree			Review	
167	5/18/06	19:18:17	19:18:21	0:00:03			we defined the problem					1306	F	propose	proposal		Review	
168	5/18/06	19:18:25	19:18:26	0:00:05		oh						1307	S	agree			Review	
169	5/18/06	19:18:27	19:18:27	0:00:01	yes							1308	S	agree			Review	
170	5/18/06	19:18:36	19:18:40	0:00:13			lets put that in the wiki now					1308	F	propose	proposal		Wiki	Wiki: negotiate posting to wiki
171	5/18/06	19:18:41	19:18:45	0:00:05		So we dined the problem.						1308	S	agree			Wiki	
172	5/18/06	19:18:49	19:18:50	0:00:05		Hold on.						1311	Fpre	request	request		Wiki	
173	5/18/06	19:18:51	19:18:56	0:00:06		Let's finish the entire thing up first.						1313	F	propose	proposal		Wiki	
174	5/18/06	19:18:57	19:19:04	0:00:08		We can always look back if we mess up.						1314	+	+			Wiki	
175	5/18/06	19:19:08	19:19:07	0:00:03			ok					1314	+	+			Wiki	
176	5/18/06	19:19:13	19:19:24	0:00:17	the formula is correct, right?							1315	F	question	question		Wiki	
177	5/18/06	19:19:14	19:19:24	0:00:00		So now we should focus on integrating the solution and how we found it.						1311F	F	propose	proposal		Wiki	
178	5/18/06	19:19:41	19:19:42	0:00:18			yup					1318	S	agree			Wiki	
179	5/18/06	19:19:42	19:19:44	0:00:02	this one					#TextStuff:1147994349485-29257065		1317	+	+			Wiki	
180	5/18/06	19:19:46	19:19:47	0:00:03	ok							1318	S	agree			Wiki	
181	5/18/06	19:19:46	19:19:47	0:00:00		Yeah.						1320	S	agree			Wiki	
182	5/18/06	19:19:48	19:19:55	0:00:08		We can always double check, and if it's darn right.						1322	F	propose	proposal		Wiki	
183	5/18/06	19:19:56	19:20:05	0:00:10		So we solve it by really looking at a bigger picture.						1323	+	+			Equation	Equation: work on symbolic representation
184	5/18/06	19:20:10	19:20:15	0:00:10			or bigger square in this case					1324	S	agree			Equation	
185	5/18/06	19:20:12	19:20:20	0:00:05		In this case, the "square" itself.						1325	S	agree			Equation	
186	5/18/06	19:20:22	19:20:23	0:00:03		Yeah.						1326	S	agree			Equation	
187	5/18/06	19:19:52	19:20:34	0:00:11	i think the 4 corner is growing like this							1318	F	propose	proposal	open discussion of growth pattern	Equation	
188	5/18/06	19:20:35	19:20:43	0:00:09	0.1,3,6,10							1328	+	+			Equation	
189	5/18/06	19:20:44	19:20:48	0:00:05	what is the pattern							1329	F	question	question		Equation	
190	5/18/06	19:20:53	19:20:56	0:00:08		Triangular numbers.						1330	S	answer			Equation	
191	5/18/06	19:20:52	19:20:58	0:00:02			triangular numbers!					1330	S	answer			Equation	
192	5/18/06	19:20:59	19:21:00	0:00:02	yep							1331	S	agree			Equation	
193	5/18/06	19:20:57	19:21:03	0:00:03		We had already figured that out.						1332	+	+			Equation	
194	5/18/06	19:21:01	19:21:10	0:00:07	we can use the equation from session 1							1333	F	propose	proposal	open reuse of equation	Equation	
195	5/18/06	19:21:10	19:21:11	0:00:01			yes					1335	S	agree			Equation	
196	5/18/06	19:21:19	19:21:20	0:00:09		Yup.						1335	S	agree			Equation	
197	5/18/06	19:21:35	19:21:36	0:00:16	n(n+1)/2							1335	F	propose	proposal		Equation	
198	5/18/06	19:21:44	19:21:56	0:00:20	4*n(n+1)/2= the four corners							1338	F	propose	proposal		Equation	
199	5/18/06	19:21:53	19:21:57	0:00:01			this right?			#whiteboardDoc		1338	F	question	question		Equation	
200	5/18/06	19:22:01	19:22:03	0:00:06	yes							1339	S	agree			Equation	
201	5/18/06	19:22:05	19:22:06	0:00:03		Yeah						1339	S	agree			Equation	
202	5/18/06	19:22:18	19:22:28	0:00:22	(2n-1)^2-2n(n-1)					#TextStuff:1147994349485-29257065		1339	F	propose				

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	
1	Line #	Date	Time Start	Time Posting	Duration of Pause	Bwang8	Aznx	Quicksilver	Gerry	J	Explicit Ref	Threading	Code	Utterance Category	Adjacency Pair	Discourse Move	Conversational Topic	Analytic Comment	
	205	1346	5/18/06	19:22:57	19:23:04	0:00:12		we can use the brute force				1345	Sins	answer				Equation	
	206	1347	5/18/06	19:23:08	19:23:15	0:00:11		but im sure there's a better way				1346	+					Equation	
	207	1348	5/18/06	19:23:14	19:23:19	0:00:04		wait what do you mean				1345	Fins2	question	question			Equation	inquire about strange question
	208	1349	5/18/06	19:23:11	19:23:19	0:00:00		Suppose we didn't know the formula.				1335	Fins	question	question			Equation	
	209	1350	5/18/06	19:23:29	19:23:36	0:00:17		hmm...				1349	Sins	answer				Equation	
	210	1351	5/18/06	19:23:34	19:23:39	0:00:03		Not $n(n+1)/2$				1349	+					Equation	
	211	1352	5/18/06	19:23:44	19:23:47	0:00:08		so we don't know that?				1351	Fins3	question	repair			Equation	
	212	1353	5/18/06	19:23:28	19:23:50	0:00:03		can you explain this			1345	1345	Fins2	escalated question	question			Equation	
	213	1354	5/18/06	19:23:56	19:23:57	0:00:07		look				1353	Sins3	follow up				Equation	
	214	1355	5/18/06	19:23:58	19:24:02	0:00:05		he means as the levels increase				1353	Sins2	answer				Equation	
	215	1356	5/18/06	19:23:58	19:24:06	0:00:04		first there's $n(n+1)/2$ right?				1354	+					Equation	
	216	1357	5/18/06	19:24:04	19:24:09	0:00:03		what is the pattern				1355	+					Equation	
	217	1358	5/18/06	19:24:10	19:24:12	0:00:03		So now we know				1356	F	propose				Equation	
	218	1359	5/18/06	19:24:12	19:24:19	0:00:07		that the number of squares in the pattern				1358	+					Equation	
	219	1360	5/18/06	19:24:20	19:24:24	0:00:05		is related to this formula				1359	+					Equation	
	220	1361	5/18/06	19:24:25	19:24:32	0:00:08		because the numbers are triangular numbers				1360	+					Equation	
	221	1362	5/18/06	19:24:37	19:24:43	0:00:11		So from there, what do we know what to do?				1361	F	question	question			Equation	
	222	1363	5/18/06	19:24:59	19:25:13	0:00:30		$n(n+1)/2^4$				1362	S	answer				Equation	
	223	1364	5/18/06	19:25:25	19:25:28	0:00:15		because of four corners				1363	S	answer				Equation	
	224	1365	5/18/06	19:25:29	19:25:30	0:00:02		right?				1364	F	question	question			Equation	
	225	1366	5/18/06	19:25:21	19:25:36	0:00:06		that is the number of squares in four corners				1363	S	answer				Equation	
	226	1367	5/18/06	19:25:40	19:25:40	0:00:04		ok				SCT	agree					Equation	
	227	1368	5/18/06	19:25:37	19:25:43	0:00:03		But that's not what it ends up to				1363	F	propose	proposal			Equation	
	228	1369	5/18/06	19:25:49	19:25:56	0:00:13		If you double check with our already-given formula				1368	+			open comparison of equation with Team C		Equation	
	229	1370	5/18/06	19:25:58	19:26:00	0:00:04		why?				1368	F	question	question			Equation	
	230	1371	5/18/06	19:26:05	19:26:07	0:00:07		It's this				1369	S	answer				Equation	
	231	1372	5/18/06	19:26:10	19:26:12	0:00:05		oh yeah				1370	S	agree				Equation	
	232	1373	5/18/06	19:26:12	19:26:14	0:00:02		it doesn't work				1373	+					Equation	
	233	1374	5/18/06	19:26:14	19:26:16	0:00:02		The first one				1371	+					Equation	"the first one"
	234	1375	5/18/06	19:26:26	19:26:29	0:00:13		no				1374	S	disagree				Indexing	
	235	1376	5/18/06	19:26:30	19:26:39	0:00:10		it is the second one that calculate the square				1375	F	propose	proposal			Indexing	"the second one"
	236	1377	5/18/06	19:27:06	19:27:11	0:00:32		are you talking about this?				1374	F	question	repair			Indexing	
	237	1378	5/18/06	19:27:17	19:27:21	0:00:10		Then what's the first one for?				1376	F	question	question			Indexing	
	238	1379	5/18/06	19:27:25	19:27:27	0:00:06		the sticks				1378	S	answer				Indexing	
	239	1380	5/18/06	19:27:30	19:27:33	0:00:06		Oh!				1379	SCT	agree				Indexing	
	240	1381	5/18/06	19:27:34	19:27:40	0:00:07		Then the formula makes sense.				1380	+					Indexing	
	241	1382	5/18/06	19:27:39	19:27:45	0:00:05		but pretend we don't know those yet				1381	F	propose	failed proposal			Indexing	
	242	1383	5/18/06	19:27:44	19:27:47	0:00:02		Yeah, I got it.				1381	Spost	agree				Indexing	
	243	1384	5/18/06	19:27:50	19:27:51	0:00:04		lol				1383	S	laugh				Indexing	
	244	1385	5/18/06	19:27:55	19:28:01	0:00:10		I got confused with all the formulas lol.				1384	PCM	clarify				Indexing	
	245	1386	5/18/06	19:28:12	19:28:16	0:00:15		I suppose so				1385	S	agree				Indexing	
	246	1387	5/18/06	19:28:19	19:28:22	0:00:06		So is that all?				1381	F	question	question	open discussion of summary		Wiki	
	247	1388	5/18/06	19:28:29	19:28:37	0:00:15		what is the actual solution then? those equations?				1387	F	question	question			Wiki	
	248	1389	5/18/06	19:28:41	19:28:43	0:00:06		Yeah.				1388	S	agree				Wiki	
	249	1390	5/18/06	19:28:46	19:28:59	0:00:16		but when we put in the wiki how we did it...what will we write				1389	F	question	question	open discussion of wiki posting		Wiki	
	250	1391	5/18/06	19:29:19	19:29:20	0:00:21		Um.				1390	S	answer				Wiki	
	251	1392	5/18/06	19:29:38	19:29:42	0:00:22		I don't know how to exactly word				1391	+					Wiki	
	252	1393	5/18/06	19:29:26	19:29:46	0:00:04		(a) was define the problem, (b) was the solution which we got...				1390	F	propose	proposal	open discussion of feedback		Wiki	start of excerpt from SVMT Ch 26
	253	1394	5/18/06	19:29:07	19:29:48	0:00:02		we calculated the # of square if the diamond makes a perfect				1390	S	answer				Wiki	
	254	1395	5/18/06	19:29:44	19:29:48	0:00:00		We can define the problem.				1393	S	follow up	proposal			Wiki	
	255	1396	5/18/06	19:29:50	19:29:55	0:00:07		We got the solutions.				1393	S	follow up				Wiki	
	256	1397	5/18/06	19:30:11	19:30:12	0:00:17		yes				1394	S	agree				Wiki	
	257	1398	5/18/06	19:30:12	19:30:16	0:00:04		the added corners				1397	Fpre	propose	proposal			Wiki	
	258	1399	5/18/06	19:29:56	19:30:18	0:00:02		But I'm not sure how to explain how we got to the solutions, although it makes perfect sense to me.				1396	F	question	question			Wiki	
	259	1400	5/18/06	19:30:17	19:30:19	0:00:01		to make a square				1398	+					Wiki	
	260	1401	5/18/06	19:30:20	19:30:24	0:00:05		I'm just not sure how to explain it.				1399	+					Wiki	
	261	1402	5/18/06	19:30:20	19:30:23	0:00:01		and we found those were triangular numbers				1400	F	propose	proposal			Wiki	
	262	1403	5/18/06	19:30:25	19:30:32	0:00:07		Well, I can explain the second formula.				1401	Fpre	proposal	proposal			Wiki	
	263	1404	5/18/06	19:30:31	19:30:35	0:00:03		lets go step by step				1401	F	request	failed request			Indexing	Indexing; problem with indexing (pointing to) equations
	264	1405	5/18/06	19:30:36	19:30:37	0:00:02		NO!				1403	S	disagree				Indexing	
	265	1406	5/18/06	19:30:38	19:30:42	0:00:05		we don't know hte second				1405	F	propose	repair			Indexing	
	266	1407	5/18/06	19:30:33	19:30:45	0:00:03		It was done through the method of finding the pattern of triangular				1403	F	propose	proposal			Indexing	
	267	1408	5/18/06	19:30:49	19:30:50	0:00:05		Yes we do.				1406	S	disagree				Indexing	
	268	1409	5/18/06	19:30:55	19:30:55	0:00:05		?				1408	F	question	repair			Indexing	
	269	1410	5/18/06	19:30:51	19:30:56	0:00:01		Suppose their second formula is our third.				1408	F	propose	proposal			Indexing	their second; our first
	270	1411	5/18/06	19:30:56	19:31:06	0:00:10		That was team c's tho				1410	S	disagree				Indexing	
	271	1412	5/18/06	19:31:11	19:31:12	0:00:06		No.				1411	S	disagree				Indexing	
	272	1413	5/18/06	19:31:13	19:31:16	0:00:04		They didn't do.				1412	F	propose	proposal			Indexing	
	273	1414	5/18/06	19:31:17	19:31:20	0:00:04		The number of squares				1413	+					Indexing	
	274	1415	5/18/06	19:31:24	19:31:25	0:00:05		oh!				1412	SCT	follow up				Indexing	
	275	1416	5/18/06	19:31:22	19:31:26	0:00:01		or the find the big square				1414	+					Indexing	
	276	1417	5/18/0																

1	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
Line #	Date	Time Start	Time Posting	Time Duration of Pause	Bwang8	Aznx	Quicksilver	Gerry	J	Explicit Ref	Threading	Code	Utterance Category	Adjacency Pair	Discourse Move	Conversational Topic	Analytic Comment	
285	1426	5/18/06	19:33:08	19:33:11	0:00:06		bwang you do it =P					1423	F	request	request	close discussion of wiki posting	Wiki	end of excerpt from SVMT Ch 26
286	1427	5/18/06	19:33:07	19:33:13	0:00:02			the comments said we need				1425	+	+		Wiki		
287	1428	5/18/06	19:33:03	19:33:14	0:00:01		we only calculated the number of squares					1423	F	propose	proposal		Strategy	
288	1429	5/18/06	19:33:19	19:33:23	0:00:09		and the big square					1428	S	follow up			Strategy	
289	1430	5/18/06	19:33:28	19:33:30	0:00:07			and subtract				1429	S	follow up			Strategy	
290	1431	5/18/06	19:33:25	19:33:30	0:00:00		we didn't calculate the number of sticks					1429	Fpre	propose	proposal		Strategy	
291	1432	5/18/06	19:33:31	19:33:34	0:00:04		wanna do it?					1431	F	question	question	open problem solving work	Strategy	
292	1433	5/18/06	19:33:34	19:33:36	0:00:02	yes						1432	S	agree			Strategy	
293	1434	5/18/06	19:33:35	19:33:37	0:00:01		oh whoops					1431	S	acknowledge			Strategy	
294	1435	5/18/06	19:33:38	19:33:38	0:00:01	sure						1433	S	agree			Strategy	
295	1436	5/18/06	19:33:37	19:33:40	0:00:02		yea definitely					1432	S	agree			Strategy	end of excerpt from ICCE 2009 paper
296	1437	5/18/06	19:33:51	19:34:00	0:00:20		So for which one are we trying to find the number of sticks?					1436	F	question	question		Strategy	
297	1438	5/18/06	19:34:01	19:34:06	0:00:06		Only the diamond format?					1437	+	+			Strategy	
298	1439	5/18/06	19:34:10	19:34:13	0:00:07		Right?					1438	+	+			Strategy	
299	1440	5/18/06	19:34:18	19:34:19	0:00:06			ye				1439	S	agree			Strategy	
300	1441	5/18/06	19:34:19	19:34:20	0:00:01	yes						1439	S	agree			Strategy	
301	1442	5/18/06	19:34:38	19:34:45	0:00:25		So the one that we're looking at right now.					1441	F	question	question		Strategy	
302	1443	5/18/06	19:34:50	19:34:51	0:00:06		This one.			#whiteboardDoc		1442	+	+			Strategy	
303	1444	5/18/06	19:34:52	19:34:55	0:00:04		It's step 3 right?					1443	+	+			Strategy	
304	1445	5/18/06	19:34:59	19:34:59	0:00:04	yes						1443	S	agree			Strategy	
305	1446	5/18/06	19:35:03	19:35:06	0:00:07			i think so				1443	S	agree			Strategy	
306	1447	5/18/06	19:35:15	19:35:24	0:00:18		Let's look for a pattern.					1444	F	proposal	proposal		Strategy	
307	1448	5/18/06	19:35:21	19:35:27	0:00:03			how do u add text?		#whiteboardDoc	--	F	question	question			Strategy	
308	1449	5/18/06	19:35:34	19:35:35	0:00:06		Wait!					1447	F	request	request		Strategy	
309	1450	5/18/06	19:35:37	19:35:44	0:00:09		Wouldn't most of them share sticks?					1449	F	question	question		Strategy	
310	1451	5/18/06	19:35:52	19:35:53	0:00:09			yes				1450	S	agree			Strategy	
311	1452	5/18/06	19:35:54	19:35:59	0:00:06			they pretty much all do				1451	+	+			Strategy	
312	1453	5/18/06	19:36:05	19:36:06	0:00:07	yes						1450	S	agree			Strategy	
313	1454	5/18/06	19:35:55	19:36:06	0:00:00		Argh, that makes the problem harder - -					1453	SCT	agree			Strategy	
314	1455	5/18/06	19:36:03	19:36:10	0:00:04			the corners have two all for themselves				1452	F	propose	proposal		Strategy	
315	1456	5/18/06	19:36:10	19:36:13	0:00:03		it is very hard					1454	S	agree			Strategy	
316	1457	5/18/06	19:36:13	19:36:21	0:00:08			the sides have one for				1455	S	follow up			Strategy	
317	1458	5/18/06	19:36:43	19:36:45	0:00:24		wait a min					1456	Fpre	request	request		Strategy	
318	1459	5/18/06	19:36:46	19:36:48	0:00:03		This is my plan					1458	Fpre	propose	proposal		Strategy	
319	1460	5/18/06	19:36:24	19:36:49	0:00:01		maybe we should use the big square to calculate the # of sticks					1456	F	propose	proposal		Strategy	
320	1461	5/18/06	19:36:53	19:36:54	0:00:05	ok						1458	S	agree			Strategy	
321	1462	5/18/06	19:36:50	19:36:55	0:00:01		Do this problem for around 2 minutes					1459	F	proposal	proposal		Strategy	
322	1463	5/18/06	19:36:54	19:36:57	0:00:02		what's your plan					1459	F	question	question		Strategy	
323	1464	5/18/06	19:36:55	19:37:00	0:00:03		on a scratch piece of paper					1462	+	+			Strategy	
324	1465	5/18/06	19:36:50	19:37:00	0:00:00			Each inner square has 2 sticks they share with another				1457	S	follow up			Strategy	
325	1466	5/18/06	19:37:01	19:37:04	0:00:04		then share it with each other					1464	+	+			Strategy	
326	1467	5/18/06	19:37:05	19:37:05	0:00:01		ok?					1466	F	question	question		Strategy	
327	1468	5/18/06	19:37:28	19:37:28	0:00:23			ok				1467	S	agree			Strategy	
328	1469	5/18/06	19:37:33	19:37:33	0:00:05	ok						1467	S	agree			Strategy	
329	1470	5/18/06	19:38:43	19:39:00	0:11:27			I'm thinking that we don't have a large square that surrounds it				1460	S	disagree			Strategy	
330	1471	5/18/06	19:39:14	19:39:15	0:00:15	yeah						1470	S	agree			Strategy	
331	1472	5/18/06	19:39:01	19:39:21	0:00:06			I'm thinking we have the inner square such as these nine		#whiteboardDoc		1470	F	propose	proposal		Strategy	
332	1473	5/18/06	19:39:15	19:39:22	0:00:01		we shouldn't use the big square					1471	S	agree			Strategy	
333	1474	5/18/06	19:39:24	19:39:27	0:00:05	think						1473	+	+			Strategy	
334	1475	5/18/06	19:39:21	19:39:35	0:00:08			then we add the outer four ones that have three sticks each				1472	F	propose	failed proposal		Strategy	
335	1476	5/18/06	19:39:47	19:39:56	0:00:21			Then you just need the sticks for the square in the middle				1475	+	+			Strategy	
336	1477	5/18/06	19:40:40	19:40:40	0:00:44		lol					1466	Fpre	laugh	joke		Strategy	
337	1478	5/18/06	19:40:42	19:40:45	0:00:05		i figured it out.					1477	Fpre	announce	announcement		Strategy	
338	1479	5/18/06	19:40:45	19:40:49	0:00:04		on a much smaller scale					1478	+	+			Strategy	
339	1480	5/18/06	19:40:50	19:40:53	0:00:04		and it's much easier to					1479	+	+			Strategy	
340	1481	5/18/06	19:40:53	19:40:56	0:00:03			great tell us how				1480	S	acknowledge			Strategy	
341	1482	5/18/06	19:40:59	19:41:01	0:00:05	tell us						1480	S	acknowledge			Strategy	
342	1483	5/18/06	19:40:58	19:41:01	0:00:00		n(4n-1)					1480	F	propose	proposal		Strategy	
343	1484	5/18/06	19:41:04	19:41:06	0:00:05	what is that						1483	F	question	failed question		Strategy	
344	1485	5/18/06	19:41:03	19:41:07	0:00:01		but i'm still not sure					1483	Fpost	explain	explanation		Strategy	
345	1486	5/18/06	19:41:08	19:41:10	0:00:03		how to explain it					1485	+	+			Strategy	
346	1487	5/18/06	19:41:11	19:41:13	0:00:03		it works though					1486	F	propose	proposal		Strategy	
347	1488	5/18/06	19:41:18	19:41:20	0:00:07	let's see						1487	S	acknowledge			Strategy	
348	1489	5/18/06	19:41:15	19:41:20	0:00:00		i still need to double check it					1487	S	follow up			Compare	Compare own results with Team C equations
349	1490	5/18/06	19:41:17	19:41:22	0:00:02			that doesnt work...				1487	S	disagree			Compare	
350	1491	5/18/06	19:41:21	19:41:23	0:00:01		with their formula					1489	+	+			Compare	
351	1492	5/18/06	19:41:26	19:41:30	0:00:07			no but say n is one				1490	F	follow up	proposal		Compare	
352	1493	5/18/06	19:41:34	19:41:39	0:00:09		yeah it's the same					1491	F	propose	proposal		Compare	
353	1494	5/18/06	19:41:35	19:41:43	0:00:04			that is equal to three				1492	+	+			Compare	
354	1495	5/18/06	19:41:41	19:41:44	0:00:01		strange enough					1493	+	+			Compare	
355	1496	5/18/06	19:41:44	19:41:45	0:00:01			right?				1494	F	question	question		Compare	
356	1497	5/18/06	19:41:50	19:41:52	0:00:07		yeah					1496	S	agree			Compare	
357	1498	5/18/06	19:41:56	19:41:56	0:00:04		hm					1495	+	+			Compare	
358	1499	5/18/06	19:41:55	19:41:58	0:00:02			so it doesnt work				1497	SCT	agree		close proposed formula	Compare	
359	1500	5/18/06	19:41:59	19:42:02														



1	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
Line #	Date	Time Start	Time Typing	Time Posting	Duration of Pause	Bwang8	Aznx	Quicksilver	Gerry	J Explicit Ref	Threa ding	Code	Utterance Category	Adjacency Pair	Discourse Move	Conversational Topic	Analytic Comment	
368	1509	5/18/06	19:42:56	19:43:08	0:00:28	ok i think we need to divide the thing in half						1507	F	propose	proposal		Strategy	
	1510	5/18/06	19:42:54	19:43:16	0:00:08		Omg, I just solved their formula...and it turns out to be n/4n-1!					1503	F	propose	failed proposal		Compare	
369	1511	5/18/06	19:43:13	19:43:17	0:00:01			so its symmetric?			1501	1509	F	question	failed question		Compare	
370	1512	5/18/06	19:43:18	19:43:22	0:00:05		what in the world?					1510	Fpre	question			Compare	
372	1513	5/18/06	19:43:23	19:43:26	0:00:04		am i going crazy?					1512	Fpre	question			Compare	
	1514	5/18/06	19:43:12	19:43:26	0:00:00	don't consider the 4 corners						1509	Fpost	direct	failed directive		Compare	
373	1515	5/18/06	19:43:27	19:43:29	0:00:03		someone check my work.					1413	F	request	request		Compare	
374	1516	5/18/06	19:43:33	19:43:36	0:00:07		simplify their formula					1515	S	+			Compare	
375	1517	5/18/06	19:43:51	19:43:51	0:00:15			k				1515	S	+ accept			Compare	
377	1518	5/18/06	19:43:52	19:43:55	0:00:04	what do you mean						1516	F	question	question		Compare	
	1519	5/18/06	19:44:13	19:44:30	0:00:35		$2(n^2-n^2-2n+1)+3n-2$					1518	S	question response			Compare	
378	1520	5/18/06	19:44:20	19:44:34	0:00:04	i don't see how you can simplify it						1519	F	question	question		Compare	
380	1521	5/18/06	19:44:33	19:44:35	0:00:01		simply the formula					1518	S	answer			Compare	
381	1522	5/18/06	19:44:36	19:44:40	0:00:05		for the number of sticks so that simplifies to...					1521	S	+			Compare	
382	1523	5/18/06	19:44:41	19:44:45	0:00:05		I still get the same.					1522	F	propose	proposal		Compare	
383	1524	5/18/06	19:45:41	19:45:45	0:01:00							1523	S	+			Compare	
384	1525	5/18/06	19:46:15	19:46:20	0:00:35	how did you simplify it						1524	F	question	question		Compare	
385	1526	5/18/06	19:46:26	19:46:27	0:00:07		um					1525	Fpre	explain	explanation		Compare	
386	1527	5/18/06	19:46:29	19:46:32	0:00:05		square the n-1					1526	F	explain	explanation		Compare	
387	1528	5/18/06	19:46:34	19:46:39	0:00:07		then multiply the whole thing by 2					1527	S	+			Compare	
388	1529	5/18/06	19:46:40	19:46:47	0:00:08		then multiply the 3 and n					1528	S	+			Compare	
389	1530	5/18/06	19:46:47	19:46:51	0:00:04		and add it with that					1529	S	+			Compare	
390	1531	5/18/06	19:46:52	19:46:57	0:00:06		and subtract by 2					1530	S	+			Compare	
391	1532	5/18/06	19:47:11	19:47:14	0:00:17	quicksilver						1531	F	question	question		Compare	
	1533	5/18/06	19:47:18	19:47:19	0:00:05			im lost				1531	S	acknowledge			Compare	
392	1534	5/18/06	19:47:16	19:47:23	0:00:04	did you get the same answer						1532	S	+			Compare	
394	1535	5/18/06	19:47:29	19:47:30	0:00:07			no				1534	S	answer			Compare	
395	1536	5/18/06	19:47:36	19:47:39	0:00:09			i'll do it on the board				1535	F	propose	proposal		Compare	
	1537	5/18/06	19:47:44	19:47:44	0:00:05			yeah				1536	S	acknowledge			Compare	
396	1538	5/18/06	19:47:45	19:47:53	0:00:09			i got something totally difrent				1534	S	answer			Compare	
398	1539	5/18/06	19:48:15	19:48:36	0:00:43	so far i got $4n^2-3n^2$						1536	S	answer			Compare	
399	1540	5/18/06	19:48:17	19:48:55	0:00:19		indranil rite in the box					1536	F	request	request		uses real name	
400	1541	5/18/06	19:49:01	19:49:17	0:00:22	mean $4n^2-n$						1539	F	self-repair	repair		Compare	
401	1542	5/18/06	19:49:25	19:49:26	0:00:09		EXactly					1541	S	agree			Compare	
402	1543	5/18/06	19:49:34	19:49:40	0:00:14		yea that waht azn x got eralier					1541	F	explain	explanation		Compare	
	1544	5/18/06	19:49:58	19:50:00	0:00:20	holy						1541	Fpre	announce	announcem ent		Wrong	
403	1545	5/18/06	19:50:02	19:50:03	0:00:03	moley						1544	S	+			Wrong	
404	1546	5/18/06	19:49:52	19:50:05	0:00:02			whyd u multiply by the two		#whiteboardDoc		1528	F	question	question		Compare	
405	1547	5/18/06	19:50:06	19:50:13	0:00:08	i think their equation was wrong						1545	F	propose	proposal		Wrong	
406	1548	5/18/06	19:50:11	19:50:15	0:00:02		It's in the equation					1546	S	answer			Wrong	
408	1549	5/18/06	19:50:18	19:50:19	0:00:04		oh					1548	SCT	follow up			Wrong	
	1550	5/18/06	19:50:19	19:50:20	0:00:01		Whoa dang					1547	Fpre	announce	announcem ent		Wrong	
409	1551	5/18/06	19:50:22	19:50:26	0:00:05			i missed that then				1549	F	explain	explanation		Wrong	
411	1552	5/18/06	19:50:21	19:50:23	0:00:00		their equation is wrong!					1550	F	propose	proposal		Wrong	
412	1553	5/18/06	19:50:27	19:50:27	0:00:02		lol					1552	F	laugh	joke		Wrong	
413	1554	5/18/06	19:50:25	19:50:28	0:00:01			thats why i was off				1551	S	+			Wrong	
414	1555	5/18/06	19:50:28	19:50:36	0:00:08		and coincidentally, that's what i					1553	F	explain	explanation		Wrong	
	1556	5/18/06	19:50:20	19:50:37	0:00:01	because the simplified one wouldn't solve the problem						1547	S	+			Wrong	
415	1557	5/18/06	19:50:37	19:50:41	0:00:04			i was thinking about the sides				1555	S	+			Wrong	
416	1558	5/18/06	19:50:40	19:50:48	0:00:07	why don't we use it on some other level						1556	F	propose	proposal		Wrong	
417	1559	5/18/06	19:50:42	19:50:52	0:00:04		and thought there had to be 4n somewhere in the scenario					1557	S	+			Wrong	
418	1560	5/18/06	19:50:51	19:50:56	0:00:04	see if it works						1558	S	+			Wrong	
420	1561	5/18/06	19:50:56	19:50:57	0:00:01		lol					1553	S	return laugh			Wrong	
421	1562	5/18/06	19:50:59	19:51:00	0:00:03		it doesnt					1560	S	answer			Wrong	
422	1563	5/18/06	19:50:58	19:51:01	0:00:01			never assume				1562	SCT	follow up			Wrong	
423	1564	5/18/06	19:51:03	19:51:05	0:00:04		it doesnt work					1562	F	self-repair	repair		Wrong	
424	1565	5/18/06	19:51:08	19:51:12	0:00:07			it didn't work for one				1564	S	answer			Wrong	
425	1566	5/18/06	19:51:10	19:51:13	0:00:01		quicksilver tried it with 1					1564	S	answer			Wrong	
426	1567	5/18/06	19:51:17	19:51:17	0:00:04		2					1565	F	question	question		Wrong	
427	1568	5/18/06	19:51:23	19:51:23	0:00:06			no				1567	S	answer			Wrong	
428	1569	5/18/06	19:51:36	19:51:36	0:00:13			nope				1567	S	answer			Wrong	
429	1570	5/18/06	19:51:44	19:51:51	0:00:15	nope they got 3 wrong too						1569	F	propose	proposal		Wrong	
	1571	5/18/06	19:51:59	19:51:59	0:00:08			Greg?				--	F	question	failed question		Wrong	
430	1572	5/18/06	19:51:56	19:52:00	0:00:01	there are 36 sticks						1570	S	+			Wrong	
	1573	5/18/06	19:52:03	19:52:04	0:00:04			greg?				1571	F	repair	repair		Facilitator	
432	1574	5/18/06	19:52:02	19:52:05	0:00:01		I mean, Gerry? =P					1572	S	clarify			Facilitator	
434	1575	5/18/06	19:52:10	19:52:10	0:00:05			lol				1574	F	clarify	laugh		Facilitator	
435	1576	5/18/06	19:52:02	19:52:11	0:00:01	but they only can get 33						1572	S	+			Facilitator	
436	1577	5/18/06	19:52:21	19:52:21	0:00:10	ok						1576	S	+			Facilitator	
	1578	5/18/06	19:52:28	19:52:29	0:00:08			Gerry?				1571	F	escalated question	question		Facilitator	
437	1579	5/18/06	19:52:24	19:52:30	0:00:01	let's find out the real solution						1577	F	propose	proposal		Facilitator	
438	1580	5/18/06	19:52:33	19:52:34	0:00:04		yeah					1579	S	agree			Facilitator	
440	1581	5/18/06	19:52:39	19:52:40	0:00:06				What?	1578		1578	S	answer			Facilitator	
441	1582	5/18/06	19:52:44	19:52:48	0:00:08		Their thing doesn't work.					1581	F	explain	explanation		Facilitator	
442	1583	5/18/06	19:52:53	19:52:56	0:00:08		We tried it.					1582	S	+			Facilitator	
	1584	5/18/06	19:53:01	19:53:18	0:00:22			I know you tried it. I saw.		1583		1583	S	acknowledge			Facilitator	
443	1585	5/18/06	19:53:24	19:53:24	0:00:06			lol										

1	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
Line #	Date	Time Start	Time Posting	Duration of Pause	Bwang8	Azxn	Quicksilver	Gerry	J Explicit Ref	Threading	Code	Utterance Category	Adjacency Pair	Discourse Move	Conversational Topic	Analytic Comment		
459	1600	5/18/06	19:55:17	19:55:23	0:00:06	it is the second level					1598	F	explain	explanation		Strategy		
460	1601	5/18/06	19:55:28	19:55:36	0:00:13	divide it in half					1600	+				Strategy		
461	1602	5/18/06	19:55:37	19:55:49	0:00:13	you will get the 1 3 3 1 sequence					1601	+				Strategy		
462	1603	5/18/06	19:55:51	19:55:54	0:00:05		well not really		1999		1599	S	answer			Strategy		
463	1604	5/18/06	19:55:54	19:56:00	0:00:06		we devised our own process				1603	S	follow up			Strategy		
464	1605	5/18/06	19:55:51	19:56:08	0:00:08	when you have 3rd level					1602	+				Strategy		
465	1606	5/18/06	19:56:09	19:56:20	0:00:12	you get 1 3 5 5 3 1 sequence					1605	+				Strategy		
466	1607	5/18/06	19:56:21	19:56:34	0:00:14	4th 1 3 5 7 7 5 3 1 sequence					1606	+				Strategy		
467	1608	5/18/06	19:56:32	19:56:38	0:00:04		pascals triangle numbers?				1606	F	question	question		Strategy		
468	1609	5/18/06	19:56:35	19:56:39	0:00:01	seeing a pattern here					1707	F	question	failed question		Strategy		
469	1610	5/18/06	19:56:43	19:56:45	0:00:06	i don't know					1609	S	answer			Strategy		
470	1611	5/18/06	19:56:48	19:57:00	0:00:15	but there is a equation to summarize it					1610	F	question	question		Strategy		
471	1612	5/18/06	19:56:48	19:57:01	0:00:01		hey azxn what are the pascals triangles first few rows?				1610	F	question	question		Strategy		
472	1613	5/18/06	19:57:01	19:57:04	0:00:03		I don't think it is these				1612	S	answer			Strategy		
473	1614	5/18/06	19:57:16	19:57:17	0:00:13		huh?				1612	F	repair	repair		Strategy		
474	1615	5/18/06	19:57:14	19:57:17	0:00:00	well i have to go					--	Fpre	announce	announcement		Closing		
475	1616	5/18/06	19:57:25	19:57:25	0:00:08		oh				1615	Spre	acknowledge			Closing		
476	1617	5/18/06	19:57:26	19:57:27	0:00:02		wel...				1616	+				Closing		
477	1618	5/18/06	19:57:18	19:57:32	0:00:05	the library that i am working at is closing					1615	F	explain	explanation		Closing		
478	1619	5/18/06	19:57:29	19:57:34	0:00:02		too bad this was the last time				1617	S	respond			Closing		
479	1620	5/18/06	19:57:37	19:57:38	0:00:04		oh				1618	+	proposal	response		Closing		
480	1621	5/18/06	19:57:38	19:57:43	0:00:05	i can come back later					1618	Fpost	proposal	failed proposal		Closing		
481	1622	5/18/06	19:57:51	19:57:52	0:00:09	bye					1621	F	farewell	farewell		Closing		
482	1623	5/18/06	19:57:48	19:57:54	0:00:02		but hits is the last session right?				1621	F	question	question		Closing		
483	1624	5/18/06	19:57:55	19:57:55	0:00:01		bye				1622	S	return	farewell		Closing		
484	1625	5/18/06		19:57:58	0:00:03	leaves the room						ni		system		Closing		
485	1626	5/18/06	19:58:01	19:58:02	0:00:04		Ok.				1613	Fpre	question	question		Strategy		
486	1627	5/18/06	19:58:03	19:58:07	0:00:05		So what were you saying?				1625	F	question			Strategy		
487	1628	5/18/06	19:58:11	19:58:19	0:00:12		it might have been pascals triangle numbers				1627	S	answer			Strategy		
488	1629	5/18/06	19:58:28	19:58:29	0:00:10		Which ones?				1628	Fins	question	question		Strategy		
489	1630	5/18/06	19:58:43	19:58:48	0:00:19		these and the ones above		1607		1629	Sins	answer			Strategy		
490	1631	5/18/06	19:58:54	19:58:58	0:00:10		The triangular numbers?				1628	F	question	question		Strategy		
491	1632	5/18/06	19:59:17	19:59:20	0:00:22		look above				1631	F	direct	directive		Strategy		
492	1633	5/18/06	19:59:22	19:59:22	0:00:02		Oh.				1632	S	respond			Strategy		
493	1634	5/18/06	19:59:22	19:59:26	0:00:04		bwang gave a list of numbers				1632	+				Strategy		
494	1635	5/18/06	19:59:35	19:59:36	0:00:10		They do.				1633	S	answer			Strategy		
495	1636	5/18/06	19:59:44	19:59:48	0:00:12		They are, I should say.				1635	F	repair			Strategy		
496	1637	5/18/06	20:00:22	20:00:25	0:00:37		does that help us ?				1636	F	question	question		Strategy		
497	1638	5/18/06	20:00:42	20:00:43	0:00:18		I dunno.				1637	S	answer			Strategy		
498	1639	5/18/06	20:00:44	20:00:53	0:00:10		We might be able to come up with a formula from that				1638	F	proposal	proposal		Strategy		
499	1640	5/18/06	20:00:54	20:00:59	0:00:06		it is a sequence of a sort				1639	+				Strategy		
500	1641	5/18/06	20:01:07	20:01:21	0:00:22		but it is neither arithmetic nor geometric				1640	S	response			Strategy		
501	1642	5/18/06	20:01:27	20:01:28	0:00:07		yeah				1641	S	agree			Strategy		
502	1643	5/18/06	20:01:37	20:01:42	0:00:14		I think we should research on it.				1642	F	proposal	proposal		Strategy		
503	1644	5/18/06	20:01:58	20:02:05	0:00:23		And I'm not writing today's wiki.				--	F	proposal	proposal		Strategy		
504	1645	5/18/06	20:02:03	20:02:07	0:00:02		we have like ten minutes				1644	F	announce	announcement		Facilitator		
505	1646	5/18/06	20:02:11	20:02:15	0:00:06		So when are we meeting again?				1645	F	question	question		Facilitator		
506	1647	5/18/06	20:02:20	20:02:32	0:00:17		Hey gerry...didn't you say it could be arranged for us to meet again				1646	F	question	question		Facilitator		
507	1648	5/18/06	20:02:55	20:02:58	0:00:26			Would you like to continue working with your team after tonight?			1647	F	question	question		Facilitator		
508	1649	5/18/06	20:03:04	20:03:05	0:00:07		yes				1648	S	answer			Facilitator		
509	1650	5/18/06	20:03:05	20:03:10	0:00:05		Yeah, definitely.				1648	S	answer			Facilitator		
510	1651	5/18/06	20:03:05	20:03:11	0:00:01		this is rather interesting				1649	Fpost	explain	explanation		Facilitator		
511	1652	5/18/06	20:03:11	20:03:23	0:00:12		we keep finding problems that we don't have time to finish in one meeting				1651	+				Facilitator		
512	1653	5/18/06	20:03:17	20:03:29	0:00:06		It'd be fun to research on pascals triangles anyways.				1650	Fpost	explain	explanation		Facilitator		
513	1654	5/18/06	20:03:29	20:03:39	0:00:10			What did you notice during these session that seems most interesting to you as far as doing math in a group? Which moments were the most fun?			1653	F	question	question		Facilitator		
514	1655	5/18/06	20:03:32	20:03:39	0:00:00		And we'll actually solve this problem very thoroughly.				1652	+				Facilitator		
515	1656	5/18/06	20:03:48	20:04:12	0:00:33		lets see...Well the times that were most interesting were when someone brought up and entirely new perspective on a problem				1654	S	answer			Facilitator		
516	1657	5/18/06	20:04:22	20:04:28	0:00:16		WE bring up interesting points in a problem.				1654	+	question	response		Facilitator		
517	1658	5/18/06	20:04:15	20:04:29	0:00:01		we were able to learn more from those times				1656	+				Facilitator		
518	1659	5/18/06	20:04:29	20:04:31	0:00:02		and go for them				1657	+				Facilitator		
519	1660	5/18/06	20:04:35	20:04:43	0:00:12		from there, we like derive a million sorts of ideas				1660	+				Facilitator		
520	1661	5/18/06	20:04:35	20:04:43	0:00:00		everyone got to share their own views and explain it to the others				1658	+				Facilitator		
521	1662	5/18/06	20:04:46	20:04:47	0:00:04		yeah				1661	+				Facilitator		
522	1663	5/18/06	20:04:49	20:04:51	0:00:04		and through that				1662	+				Facilitator		
523	1664	5/18/06	20:04:51	20:04:55	0:00:04		we all learned from each other				1663	+				Facilitator		
524	1665	5/18/06	20:04:50	20:05:00	0:00:05		And not only were these times interestin, they were fun				1661	+				Facilitator		
525	1666	5/18/06	20:04:56	20:05:04	0:00:04		on how to approach different even a single problem				1664	+				Facilitator		
526	1667	5/18/06	20:05:02	20:05:09	0:00:05		we got to listen to each other and their thoughts				1664	+				Facilitator		
527	1668	5/18/06	20:05:09	20:05:18	0:00:09		sometimes we argued, but we learned something every meeting				1667	+				Facilitator		
528	1669	5/18/06	20:05:21	20:05:31	0:00:13		Plus, when one didn't understand, we always made sure that person did.				1668	+				Facilitator		
529	1670	5/18/06	20:05:28	20:05:40	0:00:09		as far as doing collaborative math, this is about hie first time				1667	+				Facilitator		

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530	1671	5/18/06	20:04:57	20:05:46	0:00:06				Well, thank you very much for participating in the VMT Spring Fest. As we said at the beginning, we offered these sessions to give students the chance to do interesting math in teams via the Internet. A number of groups have participated and engaged actively in discussing everyone's ideas, formulating interesting math questions and exploring them.			1664	F	explain	explanation		Facilitator	
531	1672	5/18/06	20:06:06	20:06:11	0:00:25			So it's over then isn't it?				1671	F	question	question		Facilitator	
532	1673	5/18/06	20:06:15	20:06:24	0:00:13			No more meetings =)				1672	+	+			Facilitator	
533	1674	5/18/06	20:06:23	20:06:29	0:00:05				No.			1672	S	answer			Facilitator	
534	1675	5/18/06	20:06:37	20:06:46	0:00:17			Oh well, maybe we can start a club like this at school				1674	F	proposal	proposal		Facilitator	
535	1676	5/18/06	20:06:31	20:06:47	0:00:01				We will give you feedback and you can always come back.			1674	F	proposal	proposal		Facilitator	
536	1677	5/18/06	20:06:52	20:07:01	0:00:14				You can come back to this room			1676	+	+			Facilitator	
537	1678	5/18/06	20:07:04	20:07:06	0:00:05			Ok t hanks				1677	S	respond			Facilitator	
538	1679	5/18/06	20:07:06	20:07:11	0:00:05			When can we see the feedback?				1676	F	question	question		Facilitator	
539	1680	5/18/06	20:07:15	20:07:16	0:00:05			Tomorrow?				1680	+	+			Facilitator	
540	1681	5/18/06	20:07:02	20:07:20	0:00:04				Or you can come to the lobby and explore a different room			1677	+	+			Facilitator	
541	1682	5/18/06	20:07:27	20:07:34	0:00:14			Will u hold this again next year?				1681	F	question	question		Facilitator	
542	1683	5/18/06	20:07:28	20:07:49	0:00:15				You can even create your own rooms in the lobby and invite friends there			1681	+	+			Facilitator	
543	1684	5/18/06	20:07:58	20:07:58	0:00:09			ok				1683	S	acknowledge			Facilitator	
544	1685	5/18/06	20:07:52	20:08:10	0:00:12				We will be doing new topics a lot next year			1682	S	answer			Facilitator	
545	1686	5/18/06	20:08:16	20:08:17	0:00:07			ok				1685	S	acknowledge			Facilitator	
546	1688	5/18/06	20:08:23	20:08:32	0:00:15			So we can see the feedback tomorrow?				1680	F	question	question		Facilitator	
547	1689	5/18/06	20:08:37	20:08:40	0:00:08				We are going to review all of these sessions and select the most collaborative "Virtual Math Teams." We will be in touch with your teachers to inform you of the results.			1688	S	answer			Facilitator	
548	1690	5/18/06	20:08:50	20:08:52	0:00:12			That sounds good				1689	S	question up take			Facilitator	
549	1691	5/18/06	20:08:58	20:09:01	0:00:09			Well, it's goodbye then				1690	F	farewell	farewell		Facilitator	
550	1692	5/18/06	20:09:21	20:09:21	0:00:20							1691	+	+			Facilitator	
551	1693	5/18/06	20:08:50	20:09:23	0:00:02				I can give you some feedback now because I have been thinking a lot about these patterns while I listen to you			1690	Fpre	announce	announcement		Facilitator	
552	1694	5/18/06	20:09:29	20:09:30	0:00:07			ok				1693	S	acknowledge			Facilitator	
553	1695	5/18/06	20:09:36	20:09:37	0:00:07			I have time				1694	S	+			Facilitator	
554	1696	5/18/06	20:09:44	20:09:45	0:00:08			me too				1695	S	acknowledge			Facilitator	
555	1697	5/18/06	20:09:37	20:10:41	0:00:56				1. Look at your formula for the # of squares and the formula from the other team. Are they equivalent? If not, is one wrong?			1693	F	direct	directive		Facilitator	
556	1698	5/18/06		20:11:20	0:00:39			joins the room				ni	system				Facilitator	
557	1699	5/18/06	20:11:29	20:11:30	0:00:10			hey!				1698	F	greeting	greeting		Facilitator	
558	1700	5/18/06	20:11:24	20:11:30	0:00:00			I am finally here				1698	S	greeting response			Facilitator	
559	1701	5/18/06	20:11:30	20:11:35	0:00:05			we're getting some feedback				1700	F	explain	explanation		Facilitator	
560	1702	5/18/06	20:10:45	20:11:38	0:00:03				2. Work more on the # of sticks. Try recursion. The other team's formula is wrong, but the right one is even nicer			1697	F	proposal	proposal		Facilitator	
561	1703	5/18/06	20:11:46	20:11:51	0:00:13			For 1, they are equivalent.				1697	S	answer			Facilitator	
562	1704	5/18/06	20:11:53	20:11:58	0:00:07			and ours was simplified as well.				1703	+	+			Facilitator	
563	1706	5/18/06	20:11:40	20:12:01	0:00:03			I ran to my mom's office and am now using her computer				1700	F	explain	explanation		Facilitator	
564	1707	5/18/06	20:12:16	20:12:30	0:00:29			ok	yea, ours should just be a simplified version of theirs		1704	1704	S	respond			Facilitator	
565	1708	5/18/06	20:12:35	20:12:36	0:00:06			ok				--	S	acknowledge			Facilitator	
566	1708	5/18/06	20:12:36	20:12:48	0:00:12				For 2, I am going to research on the pascal's triangle and recursion more.			1702	S	answer			Facilitator	
567	1709	5/18/06	20:12:42	20:12:56	0:00:08			did you guys came up with the new formula				1707	F	question	question		Facilitator	
568	1710	5/18/06	20:13:00	20:13:01	0:00:05			no				1709	S				Facilitator	
569	1711	5/18/06	20:12:59	20:13:03	0:00:02			no we didn't				1709	S				Facilitator	
570	1712	5/18/06	20:13:04	20:13:10	0:00:07			we were discussing on the future of this class				1711	S				Facilitator	
571	1713	5/18/06	20:13:11	20:13:12	0:00:02			/event				1712	+	repair			Facilitator	
572	1714	5/18/06	20:12:41	20:13:21	0:00:09				I will make a room for you now with a completely different problem. It is one I like a lot and I think you will too.			1702	F	announce	announcement		Facilitator	
573	1715	5/18/06	20:13:34	20:13:35	0:00:14			ok				1714	S	acknowledge			Facilitator	
574	1716	5/18/06	20:13:37	20:13:37	0:00:02			ok				1714	S	acknowledge			Facilitator	

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575	1717	5/18/06	20:13:24	20:13:42	0:00:05			You can go to this room anytime. You do not need me there any more			1714	F	explain	explanation		Facilitator		
576	1718	5/18/06	20:13:41	20:13:43	0:00:01		sure				1717	S	acknowledge			Facilitator		
577	1719	5/18/06	20:13:47	20:14:32	0:00:49			You can send email to me and also to the people who have been in your room by using the send mail button at the top.			1717	F	explain	explanation		Facilitator		
578	1720	5/18/06	20:14:40	20:14:44	0:00:12	ok					1719	S	acknowledge			Facilitator		
579	1721	5/18/06	20:14:51	20:14:52	0:00:08		k				1719	S	acknowledge			Facilitator		
580	1722	5/18/06	20:14:57	20:14:58	0:00:06			thats good			1719	S	acknowledge			Facilitator		
581	1723	5/18/06	20:15:00	20:15:04	0:00:06			its a way to discuss			1722	+	+			Facilitator		
582	1724	5/18/06	20:15:03	20:15:40	0:00:36			You are great young mathematicians. I am glad I got a chance to meet you and watch you work together.			1719	F	compliment	compliment		Facilitator		
583	1725	5/18/06	20:15:51	20:15:52	0:00:12			Thank you			1724	S	acknowledge			Facilitator		
584	1726	5/18/06	20:15:50	20:15:57	0:00:05	it is fun being here					1724		acknowledge			Facilitator		
585	1727	5/18/06	20:15:51	20:16:02	0:00:05		Thanks. What's the name of the topic you created for us?				1724, 1714	S	acknowledge			Facilitator		
586	1728	5/18/06	20:15:56	20:16:04	0:00:02			Thanks for guiding us, and yes it was very fun			1724	S	acknowledge			Facilitator		
587	1729	5/18/06	20:16:03	20:16:07	0:00:03		Yeah, it's definitely fun.				1726	S	acknowledge			Facilitator		
588	1730	5/18/06	20:16:17	20:16:20	0:00:13	yes, thank you					1724	S	acknowledge			Facilitator		
589	1731	5/18/06	20:16:27	20:16:36	0:00:16	where is the room you made us?					1714	F	question	question		Facilitator		
590	1732	5/18/06	20:16:42	20:16:51	0:00:15			It should be in open rooms, but we don't know the name			1731	S	answer			Facilitator		
591	1733	5/18/06	20:17:02	20:17:05	0:00:14	ok					1732	SCT	acknowledge			Facilitator		
592	1734	5/18/06	20:17:09	20:17:20	0:00:15	i think we are very close to solving the problem here					1709	Fb	proposal	proposal	open topic	sticks		
593	1735	5/18/06	20:17:27	20:17:35	0:00:15			Oh great...I have to leave		--	Fpre	announce	announcement	open topic	sticks			
594	1736	5/18/06	20:17:31	20:17:39	0:00:04		We can solve on that topic.				1734	Sb	ratify		open topic	sticks		
595	1737	5/18/06	20:17:39	20:17:42	0:00:03			Sorry guys			1735	+	+		open topic	sticks		
596	1738	5/18/06	20:17:40	20:17:45	0:00:03	oh					1735	Spre	acknowledge		open topic	sticks		
597	1739	5/18/06	20:17:42	20:17:46	0:00:01		It shouldn't take much time.				1736	+	+		open topic	sticks		
598	1740	5/18/06	20:17:46	20:17:47	0:00:01	ok					1738	SCT	acknowledge		open topic	sticks		
599	1741	5/18/06	20:17:48	20:17:50	0:00:03		k, bye aditya				1737	F	farewell	farewell	open topic	sticks		
600	1742	5/18/06	20:17:45	20:17:52	0:00:02			Just tell me the name of the room			1737	Fpost	question	question	open topic	sticks		
601	1743	5/18/06	20:17:52	20:17:52	0:00:00	bye					1737	F	farewell	farewell	open topic	sticks		
602	1744	5/18/06	20:17:57	20:18:14	0:00:22			The new room is in the lobby under Open Rooms.			1742	Spost	answer		open topic	sticks		
603	1745	5/18/06	20:18:17	20:18:44	0:00:30			It is under The Grid World. It has your names on it.			1744	+	+		open topic	sticks		
604	1746	5/18/06		20:18:49	0:00:05			leaves the room			ni				open topic	sticks		
605	1747	5/18/06	20:18:58	20:19:00	0:00:11		Alright found it.				1745	SCT	acknowledge		open topic	sticks		
606	1748	5/18/06	20:19:02	20:19:04	0:00:04		Thanks.				1747	+	+		open topic	sticks		
607	1749	5/18/06	20:19:06	20:19:12	0:00:08		I guess we should leave then.				1748	F	question	question	open topic	sticks		
608	1750	5/18/06	20:19:27	20:19:34	0:00:22	well do you want to solve the problem					1749	Fb	question	question	open topic	sticks		
609	1751	5/18/06	20:19:35	20:19:36	0:00:02	i mean					1750	+	+		open topic	sticks		
610	1752	5/18/06	20:19:37	20:19:39	0:00:03	we are close					1751	+	+		open topic	sticks		
611	1753	5/18/06	20:19:46	20:19:48	0:00:09		Alright.				1752	Sb	agree		open topic	sticks		
612	1754	5/18/06	20:19:40	20:19:51	0:00:03	i don't want to wait til tomorrow					1752	+	+		open topic	sticks		
613	1755	5/18/06	20:19:52	20:19:53	0:00:02	ok					1753	SCT	agree		open topic	sticks		
614	1756	5/18/06	20:19:50	20:19:55	0:00:02		How do you want to approach it?				1755	Fb	question	question	open topic	sticks		
615	1757	5/18/06	20:19:59	20:20:14	0:00:19	1st level have 1^4					1756	Sb	follow up		open topic	sticks		
616	1758	5/18/06	20:19:52	20:20:20	0:00:06			You can put something on the wiki to summarize what you found today.			1757	F	direct	directive	open topic	sticks		
617	1759	5/18/06	20:20:16	20:20:29	0:00:09	2st level have (1+3)^4					1757	+	+	proposal	open topic	sticks		
618	1760	5/18/06	20:20:29	20:20:32	0:00:03		bwang you put it.				1758	F	direct	directive	open topic	sticks		
619	1761	5/18/06	20:20:33	20:20:35	0:00:03		for the wiki				1760	+	+		open topic	sticks		
620	1762	5/18/06	20:20:36	20:20:37	0:00:02	ok					1761	S	agree		open topic	sticks		
621	1763	5/18/06	20:20:36	20:20:42	0:00:05		we actually did quite a lot today				1761	F	proposal	proposal	open topic	sticks		
622	1764	5/18/06	20:20:42	20:20:53	0:00:11	3rd level have (1+3+5)^4					1759	+	+		open topic	sticks		
623	1765	5/18/06	20:20:54	20:21:05	0:00:12	4th level have (1+3+5+7)^4					1764	+	+		open topic	sticks		
624	1766	5/18/06	20:21:01	20:21:10	0:00:05			This is a nice way to solve it		1764	1764	F	compliment	compliment	open topic	sticks		
625	1767	5/18/06	20:21:06	20:21:12	0:00:02		So it's a pattern of +2s?				1765	Fb	question	question	open topic	sticks		
626	1768	5/18/06	20:21:14	20:21:15	0:00:03		Ah ha!				1767	+	+		open topic	sticks		
627	1769	5/18/06	20:21:15	20:21:15	0:00:00	yes					1767	Sb	agree		open topic	sticks		
628	1770	5/18/06	20:21:17	20:21:20	0:00:05		There's the pattern!				1769	Fpost	proposal	proposal	open topic	sticks		
629	1771	5/18/06	20:21:19	20:21:39	0:00:19	now we have to find a equation that describe that pattern					1770	F	proposal	proposal	open topic	sticks		
630	1772	5/18/06	20:21:47	20:21:49	0:00:10		Hold on.				1771	Fpre	request	request	open topic	sticks		
631	1773	5/18/06	20:21:50	20:21:51	0:00:02		I know it.				1772	+	+		open topic	sticks		
632	1774	5/18/06	20:21:55	20:21:57	0:00:06	what is it					1773	Fb	question	question	open topic	sticks		
633	1775	5/18/06	20:21:53	20:21:58	0:00:01		But I'm trying to remember it. =P				1773	+	+		open topic	sticks		

1	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
Line #	Date	Time Start Typing	Time Posting	Duration of Pause	Bwang8	Aznx	Quicksilver	Gerry	J Explicit Ref	Threading	Code	Utterance Category	Adjacency Pair	Discourse Move	Conversational Topic	Analytic Comment		
634	1776	5/18/06	20:22:02	20:22:04	0:00:06		and explain it as well.				1775	+	+		seek equation	sticks		
635	1777	5/18/06	20:22:14	20:22:17	0:00:13		try and think of it				1776	+	+		seek equation	sticks		
636	1778	5/18/06	20:22:31	20:22:53	0:00:36			Maybe Quicksilver can come back here tomorrow or next week to finish it with you			1777	F	proposal	failed proposal	seek equation	sticks		
637	1779	5/18/06	20:22:55	20:23:01	0:00:08			I have to go now			1778	Fpre	announcement	announcement	seek equation	sticks		
638	1780	5/18/06	20:23:02	20:23:05	0:00:04			Bye!			1779	F	farewell	farewell	seek equation	sticks		
639	1781	5/18/06	20:23:04	20:23:06	0:00:01	ok					1780	Spre	acknowledge		seek equation	sticks		
640	1782	5/18/06	20:23:06	20:23:07	0:00:01	bye					1781	S	farewell		seek equation	sticks		
641	1783	5/18/06		20:23:23	0:00:16			leaves the room				ni			seek equation	sticks		
642	1784	5/18/06	20:23:29	20:23:29	0:00:06	ok					1771	SCT	acknowledge		seek equation	sticks		
643	1785	5/18/06	20:23:31	20:23:32	0:00:03	so					1784	+	+		seek equation	sticks		
644	1786	5/18/06	20:23:34	20:23:37	0:00:05	i think it is this					1785	Fpre	proposal	proposal	seek equation	sticks		
645	1787	5/18/06	20:23:53	20:23:53	0:00:16		ok				1786	SCT	announce		seek equation	sticks		
646	1788	5/18/06	20:23:54	20:23:55	0:00:02		i found it				1787	Fpre	announce	announcement	seek equation	sticks		
647	1789	5/18/06	20:23:57	20:24:00	0:00:05		n^2				1788	Sb	answer		seek equation	sticks		
648	1790	5/18/06	20:23:38	20:24:01	0:00:01	(2^n)/n^2					1786	F	proposal	proposal	seek equation	sticks		
649	1791	5/18/06	20:24:01	20:24:09	0:00:08		or (n/2)^2				1789	+	+		seek equation	sticks		
650	1792	5/18/06	20:24:11	20:24:14	0:00:05		I'm simplifying				1791	Fpre	explain		negotiate solution	sticks		
651	1793	5/18/06	20:24:26	20:24:30	0:00:16		if u simplify urs				1790	+	+		negotiate solution	sticks		
652	1794	5/18/06	20:24:31	20:24:35	0:00:05		its n^2				1793	Fb	proposal	proposal	negotiate solution	sticks		
653	1795	5/18/06	20:24:57	20:24:59	0:00:24		bwang				1794	F	question	question	negotiate solution	sticks		
654	1796	5/18/06	20:25:00	20:25:01	0:00:02		you there?				1795	+	+		negotiate solution	sticks		
655	1797	5/18/06	20:24:59	20:25:03	0:00:02	so that's wrong					1796	Sb	reject		negotiate solution	sticks		
656	1798	5/18/06	20:25:06	20:25:07	0:00:04	yeah					1796	S	answer		negotiate solution	sticks		
657	1799	5/18/06	20:25:07	20:25:08	0:00:01	i am here					1798	+	+		negotiate solution	sticks		
658	1800	5/18/06	20:25:10	20:25:11	0:00:03		so				1799	Fpre	announce	announcement	check cases	sticks		
659	1801	5/18/06	20:25:11	20:25:13	0:00:02		the formula				1800	+	+		check cases	sticks		
660	1802	5/18/06	20:25:16	20:25:22	0:00:09		would be 4n^2?				1801	Fb	question	question	check cases	sticks		
661	1803	5/18/06	20:25:26	20:25:28	0:00:06	let's check					1802	S	follow up		check cases	sticks		
662	1804	5/18/06	20:25:54	20:25:55	0:00:27	yes					1803	Spre	agree		check cases	sticks		
663	1805	5/18/06	20:25:56	20:26:00	0:00:05	it actually is					1804	Sb	answer		check cases	sticks		
664	1806	5/18/06	20:25:59	20:26:02	0:00:02		So we got it!				1804	SCT	ratify		check cases	sticks		
665	1807	5/18/06	20:26:01	20:26:02	0:00:00	omg						F	laugh	joke	celebrate	sticks		
666	1808	5/18/06	20:26:03	20:26:04	0:00:02		yay!				1807	S	laugh		celebrate	sticks		
667	1809	5/18/06	20:26:03	20:26:08	0:00:04	i think we got it!!!!!!!					1806	Fb	announce	announcement	celebrate	sticks		
668	1810	5/18/06	20:26:09	20:26:12	0:00:04		WE DID IT!!!!!!				1809	Sb	ratify		celebrate	sticks		
669	1811	5/18/06	20:26:09	20:26:12	0:00:00	and it is so simple					1809	Fpost	proposal	proposal	celebrate	sticks		
670	1812	5/18/06	20:26:13	20:26:14	0:00:02		YAY!!!!				1812	S	laugh		celebrate	sticks		
671	1813	5/18/06	20:26:16	20:26:16	0:00:02		i know				1811	Spost	agree		celebrate	sticks		
672	1814	5/18/06	20:26:17	20:26:17	0:00:01	lol					1813	S	laugh		celebrate	sticks		
673	1815	5/18/06	20:26:18	20:26:18	0:00:01		lol				1814	S	laugh		celebrate	sticks		
674	1816	5/18/06	20:26:28	20:26:34	0:00:16		So you're putting it in the wiki, right?				1815	Fb	question	question	present solution	sticks		
675	1817	5/18/06	20:26:36	20:26:37	0:00:03	yes					1816	Sb	agree		present solution	sticks		
676	1818	5/18/06	20:26:39	20:26:41	0:00:04		Alright then.				1817	SCT	follow up		present solution	sticks		
677	1819	5/18/06	20:26:43	20:26:43	0:00:02	ok					1817	SCT	agree		present solution	sticks		
678	1820	5/18/06	20:26:42	20:26:53	0:00:10		Give an email to Gerry, telling him that we got it. =)				1819	F	direct	directive	present solution	sticks		
679	1821	5/18/06	20:26:57	20:26:57	0:00:04	ok					1820	S	agree		present solution	sticks		
680	1822	5/18/06	20:26:57	20:26:59	0:00:02		I meant Gerry				1820	S	repair		present solution	sticks		
681	1823	5/18/06	20:26:58	20:27:04	0:00:05	are you going to do it					1820	F	question	question	present solution	sticks		
682	1824	5/18/06	20:27:05	20:27:07	0:00:03	or am i					1823	+	+		present solution	sticks		
683	1825	5/18/06	20:27:10	20:27:12	0:00:05		You do it.				1824	S	answer		present solution	sticks		
684	1826	5/18/06	20:27:13	20:27:14	0:00:02	ok					1825	S	agree		present solution	sticks		
685	1827	5/18/06	20:27:13	20:27:19	0:00:05		Tell him that we both derived n^2				1826	F	direct	directive	present solution	sticks		
686	1828	5/18/06	20:27:24	20:27:29	0:00:10		And then we saw that pattern				1827	+	+		present solution	sticks		
687	1829	5/18/06	20:27:34	20:27:37	0:00:08		and we got the formula				1828	+	+		present solution	sticks		
688	1830	5/18/06	20:27:38	20:27:44	0:00:07		when should we meet again?				1829	Fb	question	question	close topic	sticks		
689	1831	5/18/06	20:27:46	20:27:49	0:00:05		that's your email?				1830	Fins	question	question	close topic	sticks		
690	1832	5/18/06	20:27:49	20:27:52	0:00:03		we should keep in touch				1831	Fins	suggest	suggestion	close topic	sticks		
691	1833	5/18/06	20:27:53	20:27:57	0:00:05	yeah					1830	Sb	agree		close topic	sticks		
692	1834	5/18/06	20:28:05	20:28:09	0:00:12	next tuesday?					1833	F	question		Closing			
693	1835	5/18/06	20:28:13	20:28:18	0:00:09		next thursday...				1834	S	disagree		Closing			
694	1836	5/18/06	20:28:18	20:28:21	0:00:03		sounds good to me				1835	+	+		Closing			
695	1837	5/18/06	20:28:23	20:28:29	0:00:08	next thursday					1835	S	agree		Closing			
696	1838	5/18/06	20:28:30	20:28:31	0:00:02	ok					1837	+	+		Closing			
697	1839	5/18/06	20:28:22	20:28:31	0:00:00		give me your email so i can tell you if its ok with quicksilver				1831	F	question	failed question	Closing			
698	1840	5/18/06	20:28:31	20:28:35	0:00:04	it is fine by me					1838	+	+		Closing			
699	1841	5/18/06	20:28:33	20:28:35	0:00:00		same time right?				1837	F	question	question	Closing			
700	1842	5/18/06	20:28:44	20:28:51	0:00:16	maybe start at 5:30					1841	S	answer		Closing			
701	1843	5/18/06	20:28:58	20:28:59	0:00:08		hm				1842	S	agree		Closing			
702	1844	5/18/06	20:29:00	20:29:00	0:00:01		ok				1843	+	+		Closing			
703	1845	5/18/06	20:29:02	20:29:03	0:00:03		email?				1839	F	question	question escalation	Closing			
704	1846	5/18/06	20:29:03	20:29:04	0:00:01	ok					1844	S	agree		Closing			
705	1847	5/18/06	20:29:05	20:29:11	0:00:07	thy413@gmail.com					1845	S	answer		Closing			
706	1848	5/18/06	20:29:09	20:29:15	0:00:04		mine is sueravenclaw@gmail.com				1847	S	answer		Closing			

1	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
Line #	Date	Time Start	Time Typing	Time Posting	Duration of Pause	Bwang8	Azrx	Quicksilver	Gerry	J Explicit Ref	Threading	Code	Utterance Category	Adjacency Pair	Discourse Move	Conversational Topic	Analytic Comment	
707	1849	5/18/06	20:29:22	20:29:27	0:00:12	hey we both have gamil					1848	1848	F	comment			Closing	
708	1850	5/18/06	20:29:29	20:29:30	0:00:03	lol						1849	S	laugh	joke		Closing	
709	1851	5/18/06	20:29:31	20:29:32	0:00:02		lol					1850	S	laugh			Closing	
710	1852	5/18/06	20:29:32	20:29:35	0:00:03		u have gtalk?					1849	F	question	question		Closing	
711	1853	5/18/06	20:29:46	20:29:52	0:00:17		its the chat messaging system					1852	+	+			Closing	
712	1854	5/18/06	20:29:53	20:29:55	0:00:03		for gmail users					1853	+	+			Closing	
713	1855	5/18/06	20:30:00	20:30:00	0:00:05	yes						1852	S	answer			Closing	
714	1856	5/18/06	20:30:03	20:30:05	0:00:05		you have it?					1855	F	question	question		Closing	
715	1857	5/18/06	20:30:06	20:30:09	0:00:04		is it on right now?					1856	+	+			Closing	
716	1858	5/18/06	20:30:10	20:30:12	0:00:03		i'll invite you					1857	F	proposal	proposal		Closing	
717	1859	5/18/06	20:30:10	20:30:12	0:00:01	i think so						1857	S	answer			Closing	
718	1860	5/18/06	20:30:14	20:30:15	0:00:03	ok						1858	S	agree			Closing	
719	1861	5/18/06	20:30:33	20:30:35	0:00:20		yeah i added you					1860	S	follow up			Closing	
720	1862	5/18/06		20:32:21	0:01:46		leaves the room					ni		system			Closing	
721	1863	5/18/06		20:33:01	0:00:40		joins the room					ni		system			Closing	
722	1864	5/18/06		20:33:11	0:00:10		leaves the room					ni		system			Closing	
723	1865	5/18/06		20:39:26	0:06:15	bwang8 sent an email to mentors. Subject: Gerry, we found the equation! Message: We found the equation for the number of squares in the diamond shortly after you left. It is $4(n^2)$ . After we saw the pattern of $1+3+5+7, \dots$ , we summarized it with $(2n)n/2$ and that simplify to $n^2$ . So we times it by four and got the equation.						ni	announce	non-interactive			Closing	
724	1866	5/18/06		21:24:12	0:44:46	leaves the room						ni		non-interactive			Closing	
725	1867	5/18/06		21:50:52	0:26:40		joins the room					ni		system			Follow-up	
726	1868	5/18/06		21:51:28	0:00:36		leaves the room					ni		system			Follow-up	
727	1869	5/19/06		9:59:41	#####		joins the room					ni		system			Follow-up	
728	1870	5/19/06		10:00:40	0:00:59		leaves the room					ni		system			Follow-up	
729	1871	5/19/06		17:00:59	7:00:19							ni		non-interactive			Follow-up	
730	1872	5/19/06		17:03:17	0:02:18							ni		non-interactive			Follow-up	
731	1873	5/21/06		3:10:50	#####		joins the room					ni		system			Follow-up	
732	1874	5/21/06		3:11:20	0:00:30		leaves the room					ni		system			Follow-up	
733	1875	5/21/06		3:11:24	0:00:04		joins the room					ni		system			Follow-up	
734	1876	5/21/06		3:27:53	0:16:29		leaves the room					ni		system			Follow-up	
735	1877	5/21/06		12:47:02	9:19:09			joins the room				ni		system			Follow-up	
736	1878	5/21/06		12:48:12	0:01:10			leaves the room				ni		system			Follow-up	
737	1879	5/22/06		16:16:53	3:28:41				joins the room			ni		system			Follow-up	
738	1880	5/22/06		16:27:30	0:10:37				Gerry sent an email to room members and the mentors. Subject: $4n^2$ Message: Team B: You did a great job finishing up this problem, making your argument clear, making sure you all understood, and checking the answer. Are you going to do the same thing with the grid world problem this week? It is an even more interesting problem I think. I guess some of you worked on it last year, but you might try to do a more thorough job this week and post your analysis on a new page of the wiki. Or else come up with some other problems you want to discuss. Have fun! --Gerry			ni	announce	non-interactive			Follow-up	
739	1881	5/22/06		16:27:33	0:00:03				leaves the room			ni		system			Follow-up	
740	1882	5/23/06		18:31:30	2:03:57	joins the room						ni		system			Follow-up	
741	1883	5/23/06		18:32:30	0:01:00	leaves the room						ni		system			Follow-up	
742	1884	5/25/06		20:28:54	1:56:24			joins the room				ni		system			Follow-up	
743	1885	5/25/06		20:29:52	0:00:58			leaves the room				ni		system			Follow-up	
744	1886	5/26/06		0:42:04	#####	joins the room						ni		system			Follow-up	
745	1887	5/26/06		0:43:40	0:01:36	leaves the room						ni		system			Follow-up	
746	1888	5/26/06		0:45:36	0:01:56	joins the room						ni		system			Follow-up	
747	1889	5/26/06		0:45:52	0:00:16	leaves the room						ni		system			Follow-up	
748	1890	5/31/06		14:17:20	13:31:28				joins the room			ni		system			Follow-up	
749	1891	5/31/06		14:20:48	0:03:28							ni		non-interactive			Follow-up	
750	1892	5/31/06		14:25:41	0:04:53							ni		non-interactive			Follow-up	
751	1893	5/31/06		16:29:18	2:03:37							ni		non-interactive			Follow-up	
752	1894	5/31/06		16:49:04	0:19:46				leaves the room			ni		system			Follow-up	
753	1895	6/3/06		21:19:24	4:30:20			joins the room				ni		system			Follow-up	
754	1896	6/3/06		21:19:57	0:00:33			leaves the room				ni		system			Follow-up	
755	1897	6/3/06		21:20:51	0:00:54			joins the room				ni		system			Follow-up	
756	1898	6/3/06		21:21:11	0:00:20			leaves the room				ni		system			Follow-up	