Appendix 1. The Try-Out Questionnaire

Data of Respondent

Initial : Semester :

Instructions:

a. Read each statement carefully.

b. Put a tick (✓) besides the statements offered by choosing one of the five categories given in this questionnaire as it is listed below:

SA = Strongly agree

A = Agree

N = Neither agree or disagree

D = Disagree

SD = Strongly disagree

- c. Fill in every question honestly.
- d. The whole answers will be kept confidential.

No.	Statements	SA	A	N	D	SD
1	Secretary students should have foreign language					
	skills, especially English.					
2	The materials of English for Secretary are developed					
	to make the students able to use English in accepting					
	telephone, correspondence, introducing the company,					
	etc.					
3	Materials of English for Secretary aim to produce					
	qualified, competitive, creative secretaries in global					
	era.					
4	It is required to have English skills to face foreign					
	companies as business partners.					
5	The art of communication determines the secretary					
	students' professionalism.					
6	Many companies demand secretaries to be able to					
	use English for communication.					
7	A professional secretary must be able to use English					
	for communication to show a good image of the					
	company on public perspective.					
8	Secretary students with English skills tend to have					
	good career opportunities.					

9	The more people learn English do not only for		
	pleasure, prestige, or literature, but also for knowing		
	the science, technology, and business.		
10	English for Secretary is used by secretaries to		
	communicate in doing their jobs.		
11	I am able to use English to introduce my company to		
	the foreign companies.		
12	I am not able to use English expressions for asking or		
	giving instructions.		
13	I am not able to use English for telephone		
	conversations.		
14	I am not confident to present the profile of an		
	organization in the company by using English.		
15	I am able to exchange information with foreign		
	company by using English.		
16	I am not able to present the history of the company in		
	English.		
17	I am confident to socialize with foreign company by		
	using English.		
18	I am not able to express my opinions or ask opinions		
	in a meeting with foreign companies by using		
	English.		
19	I am able to express solutions or confirmation by		
	using English.		
20	I have good English skills for communication to		
	prevent misunderstanding in interpreting ideas,		
	delivering ideas, or improving ideas.		

Appendix 2. The Validity and The Reliability of Questionnaire

No										Score of the	Statements										Total
Resp.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
1	5	5	5	5	5	5	4	5	5	5	4	4	4	3	3	3	4	3	3	3	83
2	4	5	5	4	5	5	5	5	5	4	4	4	4	4	4	3	4	4	3	3	84
3	4	5	5	5	5	4	5	5	5	5	4	4	4	4	3	4	3	4	4	3	85
4	5	5	4	4	4	5	4	4	4	4	4	4	4	4	3	3	4	3	3	4	79
5	5	5	5	5	5	5	4	4	5	4	3	3	4	3	4	3	4	4	3	4	82
6	5	4	5	4	4	4	5	4	4	4	3	3	4	4	3	4	4	4	4	3	79
7	4	4	4	4	4	4	4	4	4	4	3	3	3	3	3	4	4	3	4	3	73
8	4	4	4	4	4	4	4	4	4	4	4	3	3	3	3	3	3	3	3	3	71
9	5	5	5	5	5	4	4	5	5	4	4	3	4	3	4	4	3	4	4	3	83
10	5	5	5	4	4	4	4	5	5	5	3	3	3	4	4	4	3	3	4	3	80
11	5	5	5	5	5	5	5	5	3	4	3	4	3	3	3	4	3	4	3	4	81
12	4	5	5	5	5	4	4	5	4	5	3	4	3	3	3	3	4	3	3	3	78
13	4	5	4	4	4	4	4	5	4	4	3	3	3	3	3	3	3	3	3	3	72
14	5	5	5	5	4	4	4	5	4	4	4	3	3	3	3	4	3	4	3	4	79
15	5	5	4	4	4	4	4	5	5	4	3	3	4	4	3	3	4	3	4	3	78
16	4	5	4	5	4	4	4	4	4	4	3	4	4	3	4	4	3	3	4	4	78
17	5	5	5	5	5	5	4	5	4	4	4	4	4	3	3	3	4	3	3	4	82
18	4	4	4	4	4	4	4	4	4	4	4	4	3	4	3	4	4	4	4	4	78
19	5	5	5	5	4	4	4	5	5	4	4	3	4	4	3	3	4	3	3	3	80
20	5	5	5	5	4	4	4	5	5	4	3	4	3	3	3	4	4	3	3	3	79
21	5	5	5	5	5	5	5	5	5	4	3	3	4	4	3	3	4	3	4	3	87 83
23	5	5	5	5	5	5	5	5	5	5	4	4	3	4	4	4	4	4	3	4	88
24	5	5	5	5	5	5	5	5	5	5	5	5	5	4	4	4	4	4	4	4	93
25	5	5	5	5	5	5	5	5	5	5	5	5	5	4	4	4	4	4	5	4	94
26	4	5	4	4	5	4	5	5	5	4	4	4	4	3	4	4	4	4	3	3	82
27	4	5	5	5	4	4	4	5	4	5	4	4	3	3	3	3	4	3	3	4	79
28	4	5	5	5	5	4	5	5	4	4	3	3	4	3	3	3	3	3	4	4	79
29	4	5	5	4	5	4	5	5	5	4	4	4	4	3	3	3	4	4	4	4	83
30	4	5	5	5	5	5	5	5	5	5	4	5	4	5	4	4	5	5	5	5	95
Σ	137	146	142	139	137	132	133	143	135	129	110	111	111	105	101	106	112	105	107	106	2447
r count	0.281	0.444	0.561	0.474	0.667	0.636	0.634	0.437	0.546	0.533	0.607	0.719	0.643	0.578	0.604	0.298	0.461	0.610	0.488	0.499	
t count	1.552	2.620	3.583	2.846	4.737	4.362	4.339	2.571	3.452	3.332	4.045	5.471	4.441	3.749	4.011	1.654	2.748	4.073	2.962	3.045	
t tabel	1.701	1.701	1.701	1.701	1.701	1.701	1.701	1.701	1.701	1.701	1.701	1.701	1.701	1.701	1.701	1.701	1.701	1.701	1.701	1.701	
Note	Invalid	Valid	Valid	Valid	Valid	Valid	Valid	Invalid	Valid	Valid	Valid	Valid									
r tabel	0.374	0.374	0.374	0.374	0.374	0.374	0.374	0.374	0.374	0.374	0.374	0.374	0.374	0.374	0.374	0.374	0.374	0.374	0.374	0.374	
Note	Unreliable	Reliable	Reliable	Reliable	Reliable	Reliable	Reliable	Unreliable	Reliable	Reliable	Reliable	Reliable]								

Appendix 3. The Research Questionnaire

Data of Respondent

Initial : Semester :

Instructions:

a. Read each statement carefully.

b. Put a tick (✓) besides the statements offered by choosing one of the five categories given in this questionnaire as it is listed below:

SA = Strongly agree

A = Agree

N = Neither agree or disagree

D = Disagree

SD = Strongly disagree

- c. Fill in every question honestly.
- d. The whole answers will be kept confidential.

No.	Statements	SA	A	N	D	SD
1	The materials of English for Secretary are developed to					
	make the students able to use English in accepting					
	telephone, correspondence, introducing the company,					
	etc.					
2	Materials of English for Secretary aim to produce					
	qualified, competitive, creative secretaries in global era.					
3	It is required to have English skills to face foreign					
	companies as business partners.					
4	The art of communication determines the secretary					
	students' professionalism.					
5	Many companies demand secretaries to be able to use					
	English for communication.					
6	A professional secretary must be able to use English for					
	communication to show a good image of the company					
	on public perspective.					
7	Secretary students with English skills tend to have good					
	career opportunities.					

8	The more people learn English do not only for pleasure,			
	prestige, or literature, but also for knowing the science,			
	technology, and business.			
9	English for Secretary is used by secretaries to			
	communicate in doing their jobs.			
10	I am able to use English to introduce my company to the			
	foreign companies.			
11	I am not able to use English expressions for asking or			
	giving instructions.			
12	I am not able to use English for telephone conversations.			
13	I am not confident to present the profile of an			
	organization in the company by using English.			
14	I am able to exchange information with foreign company			
	by using English.			
15	I am confident to socialize with foreign company by			
	using English.			
16	I am not able to express my opinions or ask opinions in a			
	meeting with foreign companies by using English.			
17	I am able to express solutions or confirmation by using		Ţ	\neg
	English.			
18	I have good English skills for communication to prevent			
	misunderstanding in interpreting ideas, delivering ideas,			
	or improving ideas.			

Appendix 4. Students' Questionnaire Sheets

Data of Respondent

Initial : 95

Semester : 2

Instructions:

a. Read each statement carefully.

b. Put a tick (✓) besides the statements offered by choosing one of the five categories given in this questionnaire as it is listed below:

SA = Strongly agree

A = Agree

N = Neither agree or disagree

D = Disagree

SD = Strongly disagree

c. Fill in every question honestly.

d. The whole answers will be kept confidential.

Questionnaire about English for Secretary

No.	Statements	SA	A	N	D	SD
1	The materials of English for Secretary are developed to make the students able to use English in accepting telephone, correspondence, introducing the company, etc.	~				*
2	Materials of English for Secretary aim to produce qualified, competitive, creative secretaries in global era.	~				
3	It is required to have English skills to face foreign companies as business partners.	~			-	
4	The art of communication determines the secretary students' professionalism.	V				
5	Many companies demand secretaries to be able to use English for communication.	V				-
6	A professional secretary must be able to use English for communication to show a good image of the company on public perspective.		>			Pa.
7	Secretary students with English skills tend to have good career opportunities.	>				
8	The more people learn English do not only for pleasure, prestige, or literature, but also for knowing the science, technology, and business.	~				
9	English for Secretary is used by secretaries to communicate in doing their jobs.	~				

10	I am able to use English to introduce my company to the foreign companies.		~			
11	I am not able to use English expressions for asking or giving instructions.				~	
12	I am not able to use English for telephone conversations.				~	
13	I am not confident to present the profile of an organization in the company by using English.			V		
14	I am able to exchange information with foreign company by using English.			v		
15	I am confident to socialize with foreign company by using English.	-	~			
16	I am not able to express my opinions or ask opinions in a meeting with foreign companies by using English.	6		>		
17	I am able to express solutions or confirmation by using English.			~		
18	I have good English skills for communication to prevent misunderstanding in interpreting ideas, delivering ideas, or improving ideas.		Ŷ.	y		

Data of Respondent

Initial

: A2

Semester

: 1

Instructions:

- a. Read each statement carefully.
- b. Put a tick (*) besides the statements offered by choosing one of the five categories given in this questionnaire as it is listed below:

SA = Strongly agree

A = Agree

N = Neither agree or disagree

D = Disagree

SD = Strongly disagree

- c. Fill in every question honestly.
- d. The whole answers will be kept confidential.

Questionnaire about English for Secretary

No.	Statements	SA	A	N	D	SD
1	The materials of English for Secretary are developed to make the students able to use English in accepting telephone, correspondence, introducing the company, etc.	Ÿ			,	
_2	Materials of English for Secretary aim to produce qualified, competitive, creative secretaries in global era.	1				
3	It is required to have English skills to face foreign companies as business partners.		/			
4	The art of communication determines the secretary students' professionalism.	/				
5	Many companies demand secretaries to be able to use English for communication.	/				
6	A professional secretary must be able to use English for communication to show a good image of the company on public perspective.	~				
7	Secretary students with English skills tend to have good career opportunities.	~		\exists	8	4
8	The more people learn English do not only for pleasure, prestige, or literature, but also for knowing the science, technology, and business.	/	100		1	
9	English for Secretary is used by secretaries to communicate in doing their jobs.		/		1	

10	I am able to use English to introduce my company to the foreign companies.		V	Ī	Ė	
11	I am not able to use English expressions for asking or giving instructions.			T	/	
12	I am not able to use English for telephone conversations.	-	+	\vdash	V	
13	I am not confident to present the profile of an organization in the company by using English.				V	
14	I am able to exchange information with foreign company by using English.		/			
15	I am confident to socialize with foreign company by using English.	-	V			
16	I am not able to express my opinions or ask opinions in a meeting with foreign companies by using English.				/	
17	I am able to express solutions or confirmation by using English.			1		
18	I have good English skills for communication to prevent misunderstanding in interpreting ideas, delivering ideas, or improving ideas.			✓		

Data of Respondent

Initial

: YP

Semester

: W

Instructions:

- a. Read each statement carefully.
- b. Put a tick () besides the statements offered by choosing one of the five categories given in this questionnaire as it is listed below:

SA = Strongly agree

A = Agree

N = Neither agree or disagree

D = Disagree

SD = Strongly disagree

- c. Fill in every question honestly.
- d. The whole answers will be kept confidential.

Questionnaire about English for Secretary

No.	Statements	SA	A	N	D	SD
1	The materials of English for Secretary are developed to make the students able to use English in accepting telephone, correspondence, introducing the company, etc.	<i>'</i>				
-2	Materials of English for Secretary aim to produce qualified, competitive, creative secretaries in global era.	1				
3	It is required to have English skills to face foreign companies as business partners.	/				
4	The art of communication determines the secretary students' professionalism.					
5	Many companies demand secretaries to be able to use English for communication.	44 %	V			
6	A professional secretary must be able to use English for communication to show a good image of the company on public perspective.					
7	Secretary students with English skills tend to have good career opportunities.	1		1	7	
8	The more people learn English do not only for pleasure, prestige, or literature, but also for knowing the science, technology, and business.	/	ŷ.			
9	English for Secretary is used by secretaries to communicate in doing their jobs.		1			

100000000000000000000000000000000000000						
10	I am able to use English to introduce my company to the foreign companies.		/			
11	I am not able to use English expressions for asking or giving instructions.				V	
12	I am not able to use English for telephone conversations.				V	
13	I am not confident to present the profile of an organization in the company by using English.				\checkmark	
14	I am able to exchange information with foreign company by using English.			\checkmark		
15	I am confident to socialize with foreign company by using English.	-		\bigcup		
16	I am not able to express my opinions or ask opinions in a meeting with foreign companies by using English.				/	
17	I am able to express solutions or confirmation by using English.		V			
18	I have good English skills for communication to prevent misunderstanding in interpreting ideas, delivering ideas, or improving ideas.			<i>\</i>		

Appendix 5. The Tabulation of the Questionnaire

No								Sco	ore of the	Statem	ents								T. 4.1
Resp.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	Total
1	5	5	5	5	5	4	5	5	5	4	4	4	3	3	4	3	3	3	75
2	5	5	4	5	5	5	5	5	4	4	4	4	4	4	4	4	3	3	77
3	5	5	5	5	4	5	5	5	5	4	4	4	4	3	3	4	4	3	77
4	5	4	4	4	5	4	4	4	4	4	4	4	4	3	4	3	3	4	71
5	5	5	5	5	5	4	4	5	4	3	3	4	3	4	4	4	3	4	74
6	4	5	4	4	4	5	4	4	4	3	3	4	4	3	4	4	4	3	70
7	4	4	4	4	4	4	4	4	4	3	3	3	3	3	4	3	4	3	65
8	4	4	4	4	4	4	4	4	4	4	3	3	3	3	3	3	3	3	64
9	5	5	5	5	4	4	5	5	4	4	3	4	3	4	3	4	4	3	74
10	5	5	4	4	4	4	5	5	5	3	3	3	4	4	3	3	4	3	71
11	5	5	5	5	5	5	5	3	4	3	4	3	3	3	3	4	3	4	72
12	5	5	5	5	4	4	5	4	5	3	4	3	3	3	4	3	3	3	71
13	5	4	4	4	4	4	5	4	4	3	3	3	3	3	3	3	3	3	65
14	5	5	5	4	4	4	5	4	4	4	3	3	3	3	3	4	3	4	70
15	5	4	4	4	4	4	5	5	4	3	3	4	4	3	4	3	4	3	70
16	5	4	5	4	4	4	4	4	4	3	4	4	3	4	3	3	4	4	70
17	5	5	5	5	5	4	5	4	4	4	4	4	3	3	4	3	3	4	74
18	4	4	4	4	4	4	4	4	4	4	4	3	4	3	4	4	4	4	70
19	5	5	5	4	4	4	5	5	4	4	3	4	4	3	4	3	3	3	72
20	5	5	5	4	4	4	5	5	4	3	4	3	3	3	4	3	3	3	70
21	5	5	5	5	5	5	5	5	4	4	4	4	4	4	4	3	4	4	79
22	5	5	5	5	5	5	5	4	4	3	3	4	4	3	4	3	4	3	74
23	5	5	5	5	5	5	5	5	5	4	4	3	4	4	4	4	3	4	79
24	5	5	5	5	5	5	5	4	5	5	5	4	4	4	4	4	4	4	82
25	5	5	5	5	5	5	5	5	5	5	4	4	4	4	4	4	5	4	83
26	5	4	4	5	4	5	5	5	4	4	4	4	3	4	4	4	3	3	74
27	5	5	5	4	4	4	5	4	5	4	4	3	3	3	4	3	3	4	72
28	5	5	5	5	4	5	5	4	4	3	3	4	3	3	3	3	4	4	72
29	5	5	4	5	4	5	5	5	4	4	4	4	3	3	4	4	4	4	76
30	5	5	5	5	5	5	5	5	5	4	5	4	5	4	5	5	5	5	87
Σ	146	142	139	137	132	133	143	134	129	110	110	109	105	101	112	105	107	106	2200

Appendix 6. The Percentage Calculation of the Questionnaires

NT.	G4 4		TOTAL					
No.	Statements	Alternative Answers SA A N D SD					TOTAL	
1	The materials of English for Secretary are developed to make the students able to use English in accepting telephone, correspondence, introducing the company, etc.	86.7%	13.3%	-	-	-	100%	
2	Materials of English for Secretary aim to produce qualified, competitive, creative secretaries in global era.	73.3%	26.7%	-	-	-	100%	
3	It is required to have English skills to face foreign companies as business partners.	63.3%	36.7%	-	-	-	100%	
4	The art of communication determines the secretary students' professionalism.	56.7%	43.3%	-	-	-	100%	
5	Many companies demand secretaries to be able to use English for communication.	40%	60%	-	-	-	100%	
6	A professional secretary must be able to use English for communication to show a good image of the company on public perspective.	43.3%	56.7%	-	-	-	100%	
7	Secretary students with English skills tend to have good career opportunities.	76.6%	13.3%	-	-	-	100%	
8	The more people learn English do not only for pleasure, prestige, or literature, but also for knowing the science, technology, and business.	53.3%	43.3%	3.3%	-	-	100%	
9	English for Secretary is used by secretaries to communicate in doing their jobs.	30%	70%	-	-	-	100%	
10	I am able to use English to introduce my company to the foreign companies.	6.7%	53.3%	40%	-	-	100%	
11	I am not able to use English expressions for asking or giving instructions.	-	-	40%	50%	10%	100%	

12	I am not able to use English for telephone conversations.	36.7%	56.7%	6.7%	-	-	100%
13	I am not confident to present the profile of an organization in the company by using English.	-	-	53.3%	43.3%	3.3%	100%
14	I am able to exchange information with foreign company by using English.	-	36.7%	63.3%	-	-	100%
15	I am confident to socialize with foreign company by using English.	3.3%	66.7%	30%	1	-	100%
16	I am not able to express my opinions or ask opinions in a meeting with foreign companies by using English.	-	-	53.3%	43.3%	3.3%	100%
17	I am able to express solutions or confirmation by using English.	6.7%	43.3%	50%	-	-	100%
18	I have good English skills for communication to prevent misunderstanding in interpreting ideas, delivering ideas, or improving ideas.	3.3%	46.7%	50%	-	-	100%

Appendix 7. Students' English Correspondence I Final Exam Scores

No.	Name	Score
1.	NF	77
2.	FR	78
3.	S	82
4.	YR	73
5.	ASW	75
6.	MH	74
7.	YY	60
8.	YDC	68
9.	A	75
10.	T	75
11.	SM	78
12.	AAPS	73
13.	N	64
14.	VA	74
15.	YP	76
16.	NM	77
17.	SW	84
18.	J	72
19.	F	76
20.	AZ	66
21.	P	85
22.	N	80
23.	LL	84
24.	HE	90
25.	CL	87
26.	RS	77
27.	AI	76
28.	BM	68
29.	DA	65
30.	СВ	80

Appendix 8. The Correlation Test

No.	Х	Υ	χ²	Υ ²	XY
1	75	77	5625	5929	5775
2	77	78	5929	6084	6006
3	77	82	5929	6724	6314
4	71	73	5041	5329	5183
5	74	75	5476	5625	5550
6	70	74	4900	5476	5180
7	65	60	4225	3600	3900
8	64	68	4096	4624	4352
9	74	75	5476	5625	5550
10	71	75	5041	5625	5325
11	72	78	5184	6084	5616
12	71	73	5041	5329	5183
13	65	64	4225	4096	4160
14	70	74	4900	5476	5180
15	70	76	4900	5776	5320
16	70	77	4900	5929	5390
17	74	84	5476	7056	6216
18	70	72	4900	5184	5040
19	72	76	5184	5776	5472
20	70	66	4900	4356	4620
21	79	85	6241	7225	6715
22	74	80	5476	6400	5920
23	79	84	6241	7056	6636
24	82	90	6724	8100	7380
25	83	87	6889	7569	7221
26	74	77	5476	5929	5698
27	72	76	5184	5776	5472
28	72	68	5184	4624	4896
29	76	65	5776	4225	4940
30	87	80	7569	6400	6960
Σ	2200	2269	162108	173007	167170

Criteria:

0 - 0.199 Strongly low 0.2- 0.39 Weak 0.4 - 0.599 Moderate 0.6 - 0.799 High 0.8 - 1.00 Perfect

r = 0.747 CD = 56%

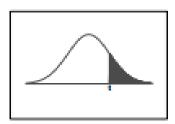
Appendix 12. Tabel r

TABEL NILAI-NILAI r PRODUCT MOMENT

	Taraf Signif		Taraf 9		Signif		Taraf Signif	
N	5%	1%	N	5%	1%	N	5%	1%
3	0,997	0,999	26	0,388	0,496	55	0,266	0,345
4	0,950	0,990	27	0,381	0,487	60	0,254	0,330
5	0,878	0,959	28	0,374	0,478	65	0,244	0,317
			29	0,367	0,470	70	0,235	0,306
6	0,811	0,917	30	0,361	0,463	75	0,227	0,296
7	0,754	0,874						
8	0,707	0,834	31	0,355	0,456	80	0,220	0,286
9	0,666	0,798	32	0,349	0,449	85	0,213	0,278
10	0,632	0,765	33	0,344	0,442	90	0,207	0,270
			34	0,339	0,436	95	0,202	0,263
11	0,602	0,735	35	0,334	0,430	100	0,195	0,256
12	0,576	0,708						
13	0,553	0,684	36	0,329	0,424	125	0,176	0,230
14	0,532	0,661	37	0,325	0,418	150	0,159	0,210
15	0,514	0,641	38	0,320	0,413	175	0,148	0,194
			39	0,316	0,408	200	0,138	0,181
16	0,497	0,623	40	0,312	0,403	300	0,113	0,148
17	0,482	0,606						
18	0,468	0,590	41	0,308	0,398	400	0,098	0,128
19	0,456	0,575	42	0,304	0,393	500	0,088	0,115
20	0,444	0,561	43	0,301	0,389			
			44	0,297	0,384	600	0,080	0,105
21	0,433	0,549	45	0,294	0,380	700	0,074	0,097
22	0,423	0,537						
23	0,413	0,526	46	0,291	0,376	800	0,070	0,091
24	0,404	0,515	47	0,288	0,372	900	0,065	0,086
25	0,396	0,505	48	0,284	0,368			
			49	0,281	0,364	1000	0,062	0,081
			50	0,279	0,361			

Appendix 13. Table t

t-Distribution Table



The shaded area is equal to α for $t = t_{\alpha}$.

ď	t.100	t _{.050}	t _{.025}	f.010	t.005
1	3.078	6.314	12.706	31.821	63.657
2	1.886	2.920	4.303	6.965	9.925
3	1.638	2.353	3.182	4.541	5.841
4	1.533	2.132	2.776	3.747	4.604
5	1.476	2.015	2.571	3.365	4.032
6	1.440	1.943	2.447	3.143	3.707
7	1.415	1.895	2.365	2.998	3.499
8	1.397	1.860	2.306	2.896	3.355
9	1.383	1.833	2.262	2.821	3.250
10	1.372	1.812	2.228	2.764	3.169
111	1.363	1.796	2.201	2.718	3.106
12	1.356	1.782	2.179	2.681	3.065
13	1.350	1.771	2.160	2.650	3.012
14	1.345	1.761	2.145	2.624	2.977
15	1.341	1.753	2.131	2.602	2.947
16	1.337	1.746	2.120	2.583	2.921
17	1.333	1.740	2.110	2.567	2.898
18	1.330	1.734	2.101	2.552	2.878
19	1.328	1.729	2.093	2.539	2.861
20	1.325	1.725	2.086	2.528	2.845
21	1.323	1.721	2.080	2.518	2.831
22	1.321	1.717	2.074	2.508	2.819
23	1.319	1.714	2.069	2.500	2.807
24	1.318	1.711	2.064	2.492	2.797
25	1.316	1.708	2.060	2.485	2.787
26	1.315	1.706	2.056	2.479	2.779
27	1.314	1.703	2.052	2.473	2.771
28	1.313	1.701	2.048	2.467	2.763
29	1.311	1.699	2.045	2.462	2.756
30	1.310	1.697	2.042	2.457	2.750
32	1.309	1.694	2.037	2.449	2.738
34	1.307	1.691	2.032	2.441	2.728
36	1.306	1.688	2.028	2.434	2.719
38	1.304	1.686	2.024	2.429	2.712
00	1.282	1.645	1.960	2.326	2.576