```
===========================================================
| #   |    SYMBOL    |    TYPE    |     VALUE      | LINE |
|=====|==============|===========|================|======|
| 1   |           #* |  LComment |             #* |   1  |
| 2   |              |   Comment |          Prog2 |   1  |
| 3   |           *# |  RComment |             *# |   1  |
| 4   | STARTPROGRAM |   Program |   STARTPROGRAM |   2  |
| 5   |     VARIABLE |      Vars |       VARIABLE |   3  |
| 6   |        INT_4 |   VarType |          INT_4 |   3  |
| 7   |              | Identifier |         _aaaa |   3  |
| 8   |            , |     Comma |              , |   3  |
| 9   |              | Identifier |         _bbbb |   3  |
| 10  |            , |     Comma |              , |   3  |
| 11  |              | Identifier |         _cccc |   3  |
| 12  |            ; | Semicolon |              ; |   3  |
| 13  |    STARTBLOK |     Start |      STARTBLOK |   4  |
| 14  |        WRITE |     Write |          WRITE |   5  |
| 15  |            ( |   LBraket |              ( |   5  |
| 16  |            " |    Quotes |              " |   5  |
| 17  |              |    String |       Input A: |   5  |
| 18  |            " |    Quotes |              " |   5  |
| 19  |            ) |   RBraket |              ) |   5  |
| 20  |            ; | Semicolon |              ; |   5  |
| 21  |         READ |      Read |           READ |   6  |
| 22  |            ( |   LBraket |              ( |   6  |
| 23  |              | Identifier |         _aaaa |   6  |
| 24  |            ) |   RBraket |              ) |   6  |
| 25  |            ; | Semicolon |              ; |   6  |
| 26  |        WRITE |     Write |          WRITE |   7  |
| 27  |            ( |   LBraket |              ( |   7  |
| 28  |            " |    Quotes |              " |   7  |
| 29  |              |    String |       Input B: |   7  |
| 30  |            " |    Quotes |              " |   7  |
| 31  |            ) |   RBraket |              ) |   7  |
| 32  |            ; | Semicolon |              ; |   7  |
| 33  |         READ |      Read |           READ |   8  |
| 34  |            ( |   LBraket |              ( |   8  |
| 35  |              | Identifier |         _bbbb |   8  |
| 36  |            ) |   RBraket |              ) |   8  |
| 37  |            ; | Semicolon |              ; |   8  |
| 38  |        WRITE |     Write |          WRITE |   9  |
| 39  |            ( |   LBraket |              ( |   9  |
| 40  |            " |    Quotes |              " |   9  |
| 41  |              |    String |       Input C: |   9  |
| 42  |            " |    Quotes |              " |   9  |
| 43  |            ) |   RBraket |              ) |   9  |
| 44  |            ; | Semicolon |              ; |   9  |
| 45  |         READ |      Read |           READ |  10  |
| 46  |            ( |   LBraket |              ( |  10  |
| 47  |              | Identifier |         _cccc |  10  |
| 48  |            ) |   RBraket |              ) |  10  |
| 49  |            ; | Semicolon |              ; |  10  |
| 50  |           IF |        If |             IF |  11  |
| 51  |            ( |   LBraket |              ( |  11  |
```

52		Identifier	_aaaa	11
53	GT	Greate	GT	11
54		Identifier	_bbbb	11
55	)	RBraket	)	11
56	STARTBLOK	Start	STARTBLOK	12
57	IF	If	IF	13
58	(	LBraket	(	13
59		Identifier	_aaaa	13
60	GT	Greate	GT	13
61		Identifier	_cccc	13
62	)	RBraket	)	13
63	STARTBLOK	Start	STARTBLOK	14
64	GOTO	Goto	GOTO	15
65		Identifier	_temp	15
66	;	Semicolon	;	15
67	ENDBLOK	End	ENDBLOK	16
68	ELSE	Else	ELSE	17
69	STARTBLOK	Start	STARTBLOK	18
70	WRITE	Write	WRITE	19
71	(	LBraket	(	19
72		Identifier	_cccc	19
73	)	RBraket	)	19
74	;	Semicolon	;	19
75	GOTO	Goto	GOTO	20
76		Identifier	_outi	20
77	;	Semicolon	;	20
78		Identifier	_temp	21
79	:	Colon	:	21
80	WRITE	Write	WRITE	22
81	(	LBraket	(	22
82		Identifier	_aaaa	22
83	)	RBraket	)	22
84	;	Semicolon	;	22
85	GOTO	Goto	GOTO	23
86		Identifier	_outi	23
87	;	Semicolon	;	23
88	ENDBLOK	End	ENDBLOK	24
89	ENDBLOK	End	ENDBLOK	25
90	IF	If	IF	26
91	(	LBraket	(	26
92		Identifier	_bbbb	26
93	LT	Less	LT	26
94		Identifier	_cccc	26
95	)	RBraket	)	26
96	STARTBLOK	Start	STARTBLOK	27
97	WRITE	Write	WRITE	28
98	(	LBraket	(	28
99		Identifier	_cccc	28
100	)	RBraket	)	28
101	;	Semicolon	;	28
102	ENDBLOK	End	ENDBLOK	29
103	ELSE	Else	ELSE	30
104	STARTBLOK	Start	STARTBLOK	31
105	WRITE	Write	WRITE	32

106	(	LBraket	(	32
107		Identifier	_bbbb	32
108	)	RBraket	)	32
109	;	Semicolon	;	32
110	ENDBLOK	End	ENDBLOK	33
111		Identifier	_outi	34
112	:	Colon	:	34
113	WRITE	Write	WRITE	35
114	(	LBraket	(	35
115	"	Quotes	"	35
116		String	\n	35
117	"	Quotes	"	35
118	)	RBraket	)	35
119	;	Semicolon	;	35
120	IF	If	IF	36
121	(	LBraket	(	36
122	(	LBraket	(	36
123		Identifier	_aaaa	36
124	EQ	Equal	EQ	36
125		Identifier	_bbbb	36
126	)	RBraket	)	36
127	&	And	&	36
128	(	LBraket	(	36
129		Identifier	_aaaa	36
130	EQ	Equal	EQ	36
131		Identifier	_cccc	36
132	)	RBraket	)	36
133	&	And	&	36
134	(	LBraket	(	36
135		Identifier	_bbbb	36
136	EQ	Equal	EQ	36
137		Identifier	_cccc	36
138	)	RBraket	)	36
139	)	RBraket	)	36
140	STARTBLOK	Start	STARTBLOK	37
141	WRITE	Write	WRITE	38
142	(	LBraket	(	38
143		Number	1	38
144	)	RBraket	)	38
145	;	Semicolon	;	38
146	ENDBLOK	End	ENDBLOK	39
147	ELSE	Else	ELSE	40
148	STARTBLOK	Start	STARTBLOK	41
149	WRITE	Write	WRITE	42
150	(	LBraket	(	42
151		Number	0	42
152	)	RBraket	)	42
153	;	Semicolon	;	42
154	ENDBLOK	End	ENDBLOK	43
155	WRITE	Write	WRITE	44
156	(	LBraket	(	44
157	"	Quotes	"	44
158		String	\n	44
159	"	Quotes	"	44

160	)	RBraket	)	44
161	;	Semicolon	;	44
162	IF	If	IF	45
163	(	LBraket	(	45
164	(	LBraket	(	45
165		Identifier	_aaaa	45
166	LT	Less	LT	45
167		Number	0	45
168	)	RBraket	)	45
169	|	Or	|	45
170	(	LBraket	(	45
171		Identifier	_bbbb	45
172	LT	Less	LT	45
173		Number	0	45
174	)	RBraket	)	45
175	|	Or	|	45
176	(	LBraket	(	45
177		Identifier	_cccc	45
178	LT	Less	LT	45
179		Number	0	45
180	)	RBraket	)	45
181	)	RBraket	)	45
182	STARTBLOK	Start	STARTBLOK	46
183	WRITE	Write	WRITE	47
184	(	LBraket	(	47
185	-	Minus	-	47
186		Number	1	47
187	)	RBraket	)	47
188	;	Semicolon	;	47
189	ENDBLOK	End	ENDBLOK	48
190	ELSE	Else	ELSE	49
191	STARTBLOK	Start	STARTBLOK	50
192	WRITE	Write	WRITE	51
193	(	LBraket	(	51
194		Number	0	51
195	)	RBraket	)	51
196	;	Semicolon	;	51
197	ENDBLOK	End	ENDBLOK	52
198	WRITE	Write	WRITE	53
199	(	LBraket	(	53
200	"	Quotes	"	53
201		String	\n	53
202	"	Quotes	"	53
203	)	RBraket	)	53
204	;	Semicolon	;	53
205	IF	If	IF	54
206	(	LBraket	(	54
207	!	Not	!	54
208	(	LBraket	(	54
209		Identifier	_aaaa	54
210	LT	Less	LT	54
211	(	LBraket	(	54
212		Identifier	_bbbb	54
213	ADD	Addition	ADD	54

```
| 214 |            | Identifier |  _cccc     | 54 |
| 215 |          ) |    RBraket |         )  | 54 |
| 216 |          ) |    RBraket |         )  | 54 |
| 217 |          ) |    RBraket |         )  | 54 |
| 218 |   STARTBLOK |      Start | STARTBLOK  | 55 |
| 219 |      WRITE |      Write |     WRITE  | 56 |
| 220 |          ( |    LBraket |         (  | 56 |
| 221 |            |     Number |        10  | 56 |
| 222 |          ) |    RBraket |         )  | 56 |
| 223 |          ; |  Semicolon |         ;  | 56 |
| 224 |    ENDBLOK |        End |   ENDBLOK  | 57 |
| 225 |       ELSE |       Else |      ELSE  | 58 |
| 226 |   STARTBLOK |      Start | STARTBLOK  | 59 |
| 227 |      WRITE |      Write |     WRITE  | 60 |
| 228 |          ( |    LBraket |         (  | 60 |
| 229 |            |     Number |         0  | 60 |
| 230 |          ) |    RBraket |         )  | 60 |
| 231 |          ; |  Semicolon |         ;  | 60 |
| 232 |    ENDBLOK |        End |   ENDBLOK  | 61 |
| 233 |    ENDBLOK |        End |   ENDBLOK  | 62 |
| 234 |            |  EndOfFile |            | -1 |
=============================================================
```