

•

. ...

(1.1 2.1 3.1 4.1 5.1 6.1 1.2 2.2 3.2 4.2 5.2 6.2 7.2 8.2 9.2 10.2

11.2 1.3 2.3 3.3 4.3 5.3 6.3 7.3 8.3 9.3 10.3 11.3 1.11.3 () 2.11.3 3.11.3 4.11.3 () () 5.11.3 () () 6.11.3 () (7.11.3 (8.11.3 1.4 2.4 3.4 4.4

5.4

6.4

2011

()

:

•

.

ABSTRACT

Syntacs Analyses Aspects For As-saimari In His Book

At-tabsira wat- tathkira

Navel Muslem Bashir Al Rbitah Mu'tah University, 2011

Abu Mohammad Abdullah As-saimari was well known fo r being one of the guide of syntax in the 4th higri decade through his book (Al-tabsira wa- AL- tathkira.

He was taught by greatest Arabic authors like As-sirafi, Ar-rommani Al-namiri. and

His childhood and culture were influenced by the scientific Iraqi atmosphare as he was born there .he was accurate and decisive person .He has agreat knowledge of the Arabic syntax science He dealt with evidences and rules. One of the best scientists in his aspect he wrote the syntax issues and he emphasized the strongest opinion according to him. He used to choose from all the available opinions which lead that all the authors imitated and picked up his opinions and even choose them although he has. His own opinions that are skill adapted till today. Despite all of this, his personality wasn't appreciated.

He obliged his studies to an accurate approach and it is so obvious in his book in which he joined the real usage of the language with it analytic. He also unclouded it his own opinions and choices.

His style is known for its smoothness and easiness and his analysis for syntax phoneme comes within these phenomena through a clear approach.

So this study was introduced to clearify the main issues which Assaimari adapted. The researcher has divided it for four chapters and acondusion.

The first chapter: As-saimari auto biography

The second chapter: the syntax origions and its evidences

The third chapter: the syntax approaches for As-saimari

The fourth chapter: the syntax phenomena for As-saimari

According to the conclousion it comes to many research results. One of these results is that, As-saimari is an encyclopedia among synatctations in the fourth decade Hijri and this is due to his book which contains a deep thought and an accurate opinion in the simplest syntax issues and its analysis and for what he showed of critical thinking and for shadowing in dealing with the syntax issues.

:

()

()

.

. . () () . () () . _ _ _

•

(.(1) " .(2)" (1) 1972 .112 (215) (2) .123 2 :

(1)" .(2) ((1146 / 541) (3). ":() (4) 384 (1) 1964 (911) .285 : (2) (745) 414 285 11 1 : 460 .184 38 30 25 19/3 310 287 285 184 79 (3) 1983 .165 - 164 5 :3 : (4) 1981 :

.534 440 211 135 :

```
.(1)"
                                      (2)"(
                                            ( )
( )
                               ( )
                                           .(3)"
                                         ":()
   .(4)(
                                    ):
              385
                                       <sup>(5)</sup> 371
                                                                      (1)
                 1999 ( 392 )
                .20 :4
                                                                      (2)
                                                          .147:
                                                                       (3)
               1973 (388 )
                               .24 :
                                                                      (4)
                                         .132
                                                                      (5)
                                    .274 651
```

-

⁽¹⁾()

(3)

:

: 1.1

()

: (626) : (1) .175 4 :()

.175 4 . ()

.9 : : (3)

(1) (2) 371 : 368 (3) 296 384 (4)_{II} : (1) 93 (.) (681) 360 /1:(.) (.) .294 11 : 1315 : (2) .193 5

.361 1 : : (4) : 1366 .358 2

(3)

()

⁽¹⁾(385

2.1

(

()

(1)

.274

.

:

п

. (1) n

" . .

:

(2) "

.

...

.76 : : (1)

.506 : : (2)

: **3.1**

(1) u

291

. 1981 : ⁽¹⁾

.34 : ⁽¹⁾

(1)

_ _

. (2)

(3)

. (4)

.

.91 – 90 : : ⁽¹⁾

.127 – 63 : (2)

.97- 92 : : (3)

.122- 12 : (4)

:

.

;

. (1) II

.

":

(2) ...

(2) u

1967 : (1)

.166 : .5 2 :

(1)

" :

1969 : ⁽¹⁾
6 1 :

(1)

: ":

(2) u

(3)

.

.74 : : ⁽¹⁾

1989 (338 :)

.56 1 :3

.56 1 :3

.(1) 4.1 .(2) .(3) (1) 1948 .169 :(22) (2) .() 2000 (711)

1940

.33

:

(3)

.(1) (2) .(3) -1 (

> (3) .74 – 73 1 : (1) .76 (2) .76

.(1) -2 .(2) .(3) -3 -4

.26 : : (1) .228 - 216 : : (2) .1405 : (3)

309 - 293 2

-5

(1)
.
-6

:
.(2)
...
-7

.(3) "

•

: **5.1**

(384) (368)

- 539 : : : ⁽¹⁾

130 – 124 : 547

.326 1 179 1 : (2)

.111 1 :

(385) ((1) () .604 602 (1)

(1) (2). (3) " (.) (1) :(.) (22) .78 (2) .257-256 :

21

2 :

.287 -285

(3)

```
(
                                         (1)
   (2)
                                        .(3)
                                    (5) "
                                                         (1)
           .151 / 5 :( .)
                                                         (2)
              1985 ( 911 )
   1 :
21
                  1985 ( 911 )
                  .18
                        4 :
                                                    : (3)
                  1979 ( 769 )
                                                   1 :6
                                             .80
                                                         (4)
           ( .) ( 368 )
                            .380-379
                                       2 :
                                                        (5)
  .198
       1 :
                                 1310
```

.(1)" (2)((3)():): .(4) (1) .18 4 : (2) .2 1 (3) .3

1 :

.95

(4)

(1) .(2) .(3) (4)_{II} .(5) ") (6)" .(7)_" (1) .132 (2) .95 (3) .97-195 (4) .299 (5) .55 1 : (6) .490 - 489 2001 :3

.172 :

(7)

() :

:

: ":

(1) n

":

:

. (2) "

. : (3)"

1998 (577) : (1)

2 : .709 - 707

2001 (643) : (2)

.(1)" () (2) " .() () (3) (): (4) .(5) (1) 33 (2) .263 (3) .124 (4) .293 1 : (5) .77 – 76

```
( )
                        ·(1)"
                 :(2)
                                                      ()
        ( )
                                         (3).
       ( )
                            ( )
            ( )
                                   ( )
                                 .(5)
                                                       (1)
                                138
                                                       (2)
.67
          471 1
                    35
                          1 :
                                                       (3)
                               .138
                                    :
                                                       (4)
                                        .139
                                                       (5)
                          .139 – 138 :
```

() : () : (1) (2) (3) ."

(1) .289 1 (2) .131 (3) .379- 378 : (4) .59: 28

(1). .(2)" (3) (4) **"**.(5) (1) 86 1 621 91 :()() .227 1 : (2) (3) 408 : (4) 1997 (110) 1 .22 : (5) 2000 (1093)

.185

2 4

(1). (2) ((5) (1) 408 (2) 1950 .161 (3) 3 : .185 (4) .409 : (5) 88 1 :

30

.130

(3)

(4)

(5)

; -

.331 : : (1)

.332-331 : : (2)

.67 1 : : :

.72 1 : : :

332 : ⁽⁵⁾

.(1) .(2)" .(3) (4) u (5) (): 268 : 1982 (672)

(1) (2) .113 : (3) .923 : (4) .150 7 : (5) .90 2 : 32

```
( ) ( ) ( )
(1)
(2)
                 )
      (4)
                                                        ( )
<sup>(5)</sup>(
                                   ):
                                                    (6).
                               ( .) ( 137 )
                                                                    (1)
      2
1 :
                                                            .428
                                                                    (2)
                                   .190-189
                                                                    (3)
                                             .190 :
                                                                    (4)
                                      .1419 :
                                                                    (5)
                                                 .40:
                                                                    (6)
                                   .191-190
```

(2) u

•

:

.521 : : (1)

.125 : : (2)

6.1

.

() ()

()

•

· :

(1) . (2) :

()

.408 2 :

.274 : : (2)

): () (2) (3) (4) (3) ()): (5) () :(6) (1) .147: (2) (.) 1962 (41) .213 : (3) .88 1 : (3) .132 (4) .78 :

.226

4 :

.177

(5)

(6)

(1)): (.(2)) :() (3) (4) (5) .(6) (1) 2 : .193 (2) .193 2 : (3) .191 (4) .46 1 : (5) 4 : 120 .34 1: (6) .191 :

```
(1)
                               (
      (
                                                     (
                                                         .(2)"
(3)
                                       (
                                             ) (
) (5)(
                                          ):
 (6)...
           ( .)
                                                                 (1)
                     1968 ( 22 )
                                  .308
                                                                 (2)
                                  .235
                                                                 (3)
                      ( .)
                                  ( .)
                                  .75 :
                                                                 (4)
                            .117-116 /2 :
                                                                 (5)
                                           .14،15 :
                                                                 (6)
                                    .242
```

.(1) .(2) .(3) () () () (1) .97 2 :

.265 : : ⁽²⁾ .158-156 1 : ⁽³⁾

```
(1).
                                         (2)
( )
                     .(3) "
                                                (4)
                              .(5)<sub>"</sub>
     ·(6)
                                                                             (1)
                                             .270
                                                                             (2)
                                   .167 1 :
                                                                             (3)
                                          .150 7 :
                                                                             (4)
                                             .587
                                                                             (5)
520
                                             769
                         .82-81
                                    2 :
                                                                             (6)
                                        .653-652
```

: ": (1)"

.(2)" :

". .

:

.():

:

: ()

(4)u

.

.52 5 : (1) .()

.246 - 245 5 : (3)

.836

(1) n

":

: (2)₁₁ ...

" . (4)

(5) II

: ":

":

:

951-949 : (1)

.951-949 : ⁽¹⁾ .796 -795 6 : ⁽²⁾

.951 : (3)

.797 6 : (4)

.798 6 : : 951 : : ⁽⁵⁾

.799 6 : : (6)

: ":

" . (1)_"

.(2)"

.954 : (1)

.800-799 6 : (2)

: 1.2

•

:

: (1)

. (2) .

· (3)_{II}

··: (4)"

и.

;

;

1979 (1)

.341 :

.24 : (2)

: 6 1 : : (3)

.235 1 :

1 : 1966 ⁽⁴⁾

: (1)" .

: :

" : . (3)»

" : (4)n

(5)n ():

(6)"

137 1 : (1)

.341 : (2)

.12 1 : : (3)

.342

.124 1 : : (5)

.133 -117 1 : : (6)

":

(1)_{II}

". .

·(2)"

(3)

: ": .

:

:

.145 – 144 1 : (1)

1996 (3) .38 (.) (1)

:

(2) **"**:

: :

: 2.2

1: : : (1)

.23 .252 - 251 : (2)

.300 – 299 : (3)

· :

...

· :

:

•

(1)

341

_

: : : ()

·

; (1)

() () :

:

. ()

(2)

.(3)

.280 1 : :

.281 1 :

.207 : : (3)

(1) () () .(2) .(3) .(4)((1) .152 (2) 23 : .467 : (3) .313 1 :

.355 -354 :

(4)

) .(1) (2). : () (3) (1) .709 : (2) .611 -608 :

51

.68

5 :

(3)

. (1)

-

_

.

: 3.2

(2)

.⁽³⁾ ()

; (4) (5)

(.) 1974 (45) (1)

.649-648 : : 35 1 :

.()

.186 : (3)

.66 ()

.93 : (5)

.(1)"

.(2)

(3)

4.2 (1

(4)

(1) .205

(2) 1957 .209 (3)

.16 – 15 : (4)

.4 :

(1). (2) (2 (3) .(4) (3 (⁽⁵⁾:

```
(4
    ):
(
 .(1)
                                          (1)
            .180 -179
```

55

.(2) (3). .(4) 5.2 (1 (1) .59 : : 95 : (2) .456 3 : (3) 151 (4) 1957 (577)

56

.46 -45 :

: (2

: .

: (3

(1)

: 6.2

.

": (2)¤

.158 -157 : (1)

.161 -158 : 48 1 : (2)

.(1)

(2)

.(3)"

(1) .167 -164 :

(2) .906 :

(3) .219 -218

.(1) (2). .(3) (1) .252 : (2) .354

59

.475 :

(3)

(1)

_

. (2)11

.475 : (1)

.114 1 : : (2)

7.2 .(1) (2)11 .(3) " (4) () () (1) .21 4 : 467 11 (2) .67 : (3) **(** 1974) 3 .90 (4) .29

61

. :

.

(1)

: **8.2**

117

. 154

" :

.30-29 : : (1)

.(1) " ⁽²⁾((3) (⁽⁴⁾ (.(5)((6). (7) (1) 1973 .66-65 :2 (2) .196-177: (3) 2002 .134-124 (4)

63

.58-57

(5)

(6)

(7)

.178-127

.56-46

.236 157

. (1)

u . .

(2) u

(3)

337

: 1988 : ⁽¹⁾

.83-80

.259 : : 5 : (2)

.189-175 : : (3)

```
(1) .
                                  (
                                           )
                                 (2)"
):
                                                             (3)."
                                              ( 377)
                   (4)<sub>II</sub>
   (
                                                                              (1)
                                                                              (2)
                                           .36
                                                    1 :
                                                                              (3)
                                           .35
                                                    1 :
                                                                              (4)
                                                    1 :
                                          .208
```

.(1)"

: **9.2**

()

.

... :

.

.48 1 : : (1)

(1) (2). ":((3) ... " :((4). 10.2 (1) 1 1997 (110) .567-566 : : 76 : (2) .567 : (3)

> (4) .870 :

.568 :

: (1

(1) " :

(2) "

_ _

(3)

.()

1 . 1996 (1)

. 280 . 1959

.48 (.)

.366 : : (3)

() ": () () (1) (2) .(3) (2 .(4) (1) .30 : 425 :(.) (2) (114) 1 .393 : (3) .448 -447 (4) .15 :

" .

(1)

: :

":

.(2)"

(3).

...

··· :() :()

•

.137 : (1)

.840 :

.840 : : (3)

.(1)): (3)): (5) (6)):): ⁽⁷⁾ ((economic syntagmatique)) (1) 1 : .366 335 (2) .155 : (3) .100 (4) 72 (5) .17 1 : (6) .111 :

.235

(7)

⁽¹⁾ ((min) () (3 (2)_{II} (3). (4) (6) (5) (1) .186 (2) .180 2 : (3) .585 (4) .2 : (5) .2 :

73

2 :

.202

.2 :

(6)

(7)

(2).) (3). ...): : (...): (4) . (() 11.2 (5) (1) .352- 351 : (2) .225 : (3) .106 – 104 : (4) .204 :

(1).

.626 :

(5)

:

(1)_.

: :

•

(2).

.

(3)

:

(5). - (4)(

.626 : (1)

.613 : (2)

.613 : (3)

.275 : (4)

.623 : (5)

```
): <sup>(1)</sup>(
                                            ):
                                                          (3) "
  (4)
  ):
                            <sup>(6)</sup>.(
                                           ):
(7)
                                                                (1)
                                           .86 :
                                                                (2)
                                            .30 :
                                                                (3)
                         .100 - 99 1 :
                                                                (4)
                                .240 1 :
                                                                (5)
                                               70
                                                                (6)
                                    .625
                                                                (7)
                                                          :1958
                                                   .12
```

: :

•

:

:

: (1)

: :

· : ⁽²⁾()

·

·(3) :

: ()

.631 – 630 : : (1)

.105 : (2)

.624 - 623 : : (3)

(1) (2) (3)): .(4) (⁽⁵⁾(): (6) " (7)

(1) .325 1 : (2) .642 (3) .642 (4) .41 : (5) 22 (6) .647 – 646 : (7) : () .647

(1) **(2)**_{II} (3) -1 (4) () (5). (1) .656

.656 : : (1)
.189 2 : 469 2 : : (2)
.238 : (3)
.539 3 : (4)
.163 : : (5)

```
( ) ( )
                                  ( )
                                                   ( ) ( )
                                            (1).
           : ( )
                                                         (2)
                                    ):
<sup>(5)</sup>(
                                        (4) (
                    ):
                                     <sup>(6)</sup>(
 (7)
                                              (
                                                              -3
       ( ) ( )
                                      ( )
                                                              ( )
                                                               (1)
                                    .520 :
                                                               (2)
                                         .521 :
                                                               (3)
                                               .16
                                                               (4)
                                              .42 :
                                                               (5)
                                            .31 :
                                                               (6)
                                                               (7)
                 .521 :
                                             87 :
                                       :
```

(1) () () () () () () (2) : -5 () () (3)" () ⁽⁴⁾(): .(5) () () (1) .522 (2) 518 .520 (3) .405 1 : (4) .24 (5) .518 :

) (1)(); (2)(() .(4) () () () () : (4) ... () () ()

(6)

(7)

.30 : (1)

.219 : (2)

.182 : :

.520 : : (4)

.() (5)

.119 – 118 : : (6)

1981 : (7)

.224

u

· (1)"

(1912-1857)

(2)

":

(3) "

":

(4).

.

.205 : (1)

.224 : (2)

.175 -174 5 : (3)

.336 1 : (4)

(1).) (2)." .(3) " (4) (1) 145 : (2) .761 (3) .771

84

.382

(4)

;

⁽¹⁾. : (5

:

; ; (2)

" :

(3)

:) :

. (4) "

:

:

.727 – 726 : : (1)

.()

.262 2 : (3)

.262 2 (4)

(1) .(2) (3).): ⁽⁴⁾((1) .110 2 : (2) .110 2 : (3) 2 : .110 (4) .1

86

.(1)

•

:

:

.

· (2)

:

: :

:

. (3)

(4)_.

.1166 : (1)

.561 – 560 : : (2)

.561 : : (3)

.338 4 : : (4)

() (): (1) . ⁽²⁾ .(): ⁽³⁾.((.(4) (5) (1) .15 - 14 2 : (2) .35

 .563 - 562
 :
 7
 :
 (3)

 .564
 :
 98
 :
 (4)

 .38
 2
 :
 (5)

(1) . (2) (6 (3)): (1) 565 - 564 4 : .417 (2) .565 185 (3) .() (4) .338 - 337 1 :

```
(1) (
               (2)
                                                               .(3)
    .(4)
                            ( )
                                                  ( )
                                                     ( )
( ) (
                         ():
             ):
        (
                                            ):
(
                             ):
                                     (
                                           (5)
                                                                  (1)
                                                 148
                .73
                       2 :
                                                                  (2)
                 .265
                       1 :
                                                                  (3)
                                  .77 – 76
                                             2 :
                                                                  (4)
                                                     2 :
                                             .82
                                                                  (5)
                                 .463 - 462
```

()): (1) () () : () .() () : (2). : () (7 : (): (1) 1 1992 .45 (2) 346-345 : .49

91

: (1) .

. ".

: ": :

(4)

.

62 2 : (1)

.529 : : ⁽²⁾ .524 : ⁽³⁾

.71 1

_

:

· :

(1)

•

() ()): () () (3). : (2)(

·

: **(**8

. (4)

.533 – 532 : : (1)

.533 - 532 : : (1) .1 : (2)

.467 : : (3)

.()

.

; -

(1) "

":

(2) II

" :

(3) u

.724 : (1)

.725 : (2)

.475 : : (3)

•

```
1.3
                                                 (1).
                           (2).
                                              ( )
                              .(3)
   (
                           (4) .
                                                      (1)
                             .( )
                             .265 :
                                                      (2)
                                                      (3)
                            47 37 1 :
1 :
                     .149
                            7 :
                                                165
                                                      (4)
                             316 3:
```

	()	()	()	:		
			:		.(1)	
			:	:		
:			(2)			
		:				
	(4).		(3)			
()) ()		:			
		() (5).		:	()
	; (6)				·	
		:	:	:	()
			.266 :		:	(1)
			.265	:		(3)
			.195 2 .62 4			(4)
			.266 :		:	(5)
			00	.266	·	(6)

(1) ⁽²⁾ .(): .(3) " (4) (5) 2.3

.267 : (6)
.38 : (7)
.113 : (1)
2 :

.273 -272 : : (3)

(1) () () (2) " (1) .117 3 :

99

.179 :

(2)

· (1)

; (2)

() " ": (3) : () ()

n

(4) II

.7 4 :

.87 1 : (2)

.8 4 : : (3)

1969 (4)

.38 (.)

; (1) .

:

) ⁽²⁾(): : ⁽³⁾(

(4)

:

· . :

(5) . :

:

: :

. (6)_{II}

.337 : : (1)

.48 ⁽²⁾

.201 2 : (3)
(4)

.338 – 337 : : (5)

.338 – 337 : (6)

() (1) (2) (3) (): (4) .(5) () () (1) .197 2 : (2) .1346 (3) .29 (4) 1969 : .124 (5) .356 - 355

```
.(
                                                               3.3
                                                       (1)
                              (2)
(
                                     (3)."
       (4)
               (5)
                                                           (
                                                                (1)
                                    .( )
                                                                (2)
                                  .69
                                            2 :
                                                                (3)
                                 .140 3 :
                                                                (4)
                    .318
                            1 :
                                                                (5)
            3 :
                                      359
     .229
```

(1)

(2)

(3)

() .(4) (

.(5)

(6)_.

(1)

.256 4 : (2) 2 : .70

(3) ..70 2

(4) ..70 2

(5)

.332 : (6)

.320 1 :

(1). 4.3 () .(2) () (): .(3) ()() (4).) () () (5) . (1) 360 :1 : .320 1 : : (2) .() (3) .143 3 : (4) .65 2 : (5) .362 :

(1) (2). (3)): ⁽⁴⁾ .(.(5) (1) .362 (2) .362 (3) .362 (4) .26 25 (5) 99

.365

(1). (2) 5.3 -1

) (): .365 : : ⁽¹⁾ .365 : : ⁽²⁾

```
(2) (
                                                                <sup>(1)</sup>(
                                                 ):
                .(4) (
                                                <sup>(3)</sup>(
                                 ):
                                                                       -2
                                                     (5) (
        (6)
                                       () ()
):
                       ( )
                            (7)
                   ( )
      ( )
                                                                       -3
                                                            ( )
                                                                .(8)
                                                                       (1)
                                         .467
                                                                       (2)
                                                   .100
                                                                       (3)
                                                    .85
                                                                       (4)
                                                    .51
                                                                       (5)
                                                    14
                                                                       (6)
           .487 1 : :
                                                                       (7)
                                  .468 – 467
                                                                       (8)
                                            .468 - 467
```

() () (1) .(2) (3). (4). () () () () (1) .468 : (2) .468 (3) .468

.368

(4)

()):): ⁽³⁾((2) () : (1) ((4)(): (5). (6) () () · : : () () ():

.1 : (1)

.54 : (2)

.43 : (3) .43 : (4)

.471 : (5)

.351 1 : (6)

```
(1)
                                                             ( )
                                                        :
          (
                                             ):
                                                           ):
           (2) .
(3)
             (
                               ):
            (5)
                           ( )
                                                             ( )
                                                               (1)
                                    .472 :
                                                               (2)
                                          .472
                                                               (3)
        .172 1 : :
                                                               (4)
                                    .472
                                          :
                                                               (5)
    1
                                  1987
                              :
                          .30
```

(1). () (2) (3). () (1) .474 : (2) .351 1 (3) .377 475 : (4) .477 (5) 402 .377 1

```
(
   )
                   .(2)
                        ( )
                             .(3)
                            ( 669)
                                         (4)
        ( )
                                       .(6)
                                            (1)
                          .477 :
                                            (2)
                           .479 :
                                            (3)
                                .479
                                            (4)
                            .377
                                            (5)
                           .378
                                            (6)
                         .479 :
```

: **6.3**

(7)

.304 1 : 479 : (1)

.227 : (2)

.304 1

.480 : (4)

480 (5)

.480 : (6)

.66 :

() (1) (2). .() () (3) (4)): (): .(5)) ((1) .100 (2) .113 (3) .274 (4) .128 - 127 7 (5) .99 – 97

(): (1) (2) . (3) (4)_{II} ((5)_. () () (1) .104 (2) .275 (3) .275 (4) .913 : (5) .174 :

```
( )
                                                  ):
                                           (1).
         )
                           ( ) ( )
                () ()
      (3) ( ) (
      (4)
     (5)
                                    (6) .
   )
                 ( )
. (6)<sub>"</sub>
                 ( ) ()
                                       ( )
                                                            (1)
                                  .278
                                                            (2)
                                       .280 :
                                                            (3)
                                        .280
                                                             (4)
                                 .917
                                                            (5)
                                 .88
                                         2
                                                            (6)
                            .319 - 318
                                       2
```

(1) ()) : (2).							
		()	()	()					
							()	:	
					()	()	()
(3)							:	:		7.3
			(4).	:			:			
:					2		1	979		(1)
									937	(2)
.129	7			281	:				:	(2)
				.()		.()			(4)

(1)**u**

•

()

(2).

" :

(3) u

.

- -

.23 (1) .15 :

.286

.(1)

:

•

:

(2)

(): .⁽³⁾(+)+(+)+

: 8.3

() () () ()

.444 4 (1)

.197 – 196

.144 – 143 : (3)

```
( ) ( ) ( ) ( )
             ( )
                                          ( )
(1)
                    (
                      )
(2)
( )
                     ( )
  ( )
                                              ( )
                 ( )
                              .(3)
    ( )
                    ( )
                                           ( )
                                               (1)
     .432
         1 : :
                                               (2)
                                 .22
                                               (3)
                               3
                          .185
```

() ": .⁽¹⁾()

(2)

· : (3) .

: **9.3**()

.

.433 1 : (1)

.433 1 : ⁽¹⁾ .436 1 : :

.413 – 412 : (3)

10.3

.(1) "

() () (2)."

11.3

(1)

.415 (2) .416

.(1) () .(2) (3). ((4). (1) .233 (2) .316 (3) .315 (4)

.315

(1) .(2) (1.11.3 2.11.3 ⁽³⁾.(): (1) .416 (2) .315 (3) .249

): ⁽¹⁾(): (2)." (3) 3.11.3): .(4)((1) 66 .235 (2) .375 375 (3) .389 4 : (4) .60 59 58

(1). 4.11.3 ⁽²⁾.() () (3) (4) ((5) (1) .379 378 (2) .382 (3) .238 (4) .22 (5) .383 – 382 :

```
5.11.3
         .(1) "
                        (2) .
                       ( ) (
        ( )
                .(3)
                                                            6.11.3
       (
             (4)
            ):
(5).
                                                            ) (
                            ( )
                                                          ):
                                                                 (1)
                                      .239
                                                                 (2)
                                       .343
                                                                 (3)
                                       .284
                                                                 (4)
                                      .240
                                                                 (5)
                                             .240
```

: () .(1) () (2).)): .(3) 7.11.3 .(4) .353 (1) (2) .353 (3) .231

129

.239

(4)

```
.(1)
                                      )
                        (
              .(2)
              .(4)
                            ( )
                                                            8.11.3
                               )
            )
(5) "
( )
                                                                 (1)
                            .107 :
                                                                 (2)
                                  .354
                                                                 (3)
                                  .384
                                                                 (4)
                                             .384
                                                                 (5)
                      .385
```

.(1)

. :

.385 : : 13 : (2)

131

: **1.4**

:

:

•

· (1)

:

.

(2) .

; ;

. :

.76 : ⁽¹⁾

.328 1 : (2)

:

(1)

.

.(2) – –

: -

· :

(3) .

:

. (4) .

.329 1 : : (1)

75-74 1 : (2)

.75 1 (3)

.76 1 : (4)

:

() : : : :

: :

· :

:

· :

(1)

(2) .

.77 – 76 : (1)

.78 : : (2)

" :

(1) "

; ;

. : .

· :

:

:

(2)

: **2.4**

(3)

; (4)

.78 : (3)

.79- 78 : (1) .()

.102 3 (2)

:

(1).
": ()
(2).

· (4) · (

(5)
(6)
.

": (

.9 : : 507 : ⁽¹⁾

.50 1 : (2)

.140 2 : (3)

.140

(3)"

.156

.331 1 (6)

.(1) "

(2)."

(1) .146 (2)

.84 1 ()

: :

(1)

(2) .

.344 – 341 : (1)

.22 – 21

(1) .

(2) .

(3)

(4)

.

.17 – 15 : (1)

143 (2)

.147 : (3)

.147 : (4)

(1)_: -1 -2 -3 -4 -5 -6 -7 -8 (2) :

140

.156

.160

2 :

2 :

(1

(1)

(2)

(2 (3 (4 (5 ⁽¹⁾ .() ((1 (1) 1971

141

.111

⁽¹⁾ .(): .((2). :() (2 () (3) (1) .151 (2) .151

142

.155 :

(3)

```
(1)
   (2) .
                                         (
     ( )
                          (3)
( )
                                                   (3
```

```
.(2)
                                   ( ) (1) ( ):
                                                                        (4
<sup>(3)</sup>(
                       ):
          (4)
                            ( )
        (5)
                          ( )
                                                                        (1)
                                                       .94
                                                                        (2)
                                         .351
                                                                        (3)
                                                     .29
                                                                        (4)
     124 :
                                              .357
                                                                        (5)
                              375
                                                                   .391
```

()				: ()			:	
	(1)				()	()	:		.()
					: : ()	()	()		(5
	(3) ():):	⁽²⁾ ():	(5)	: .(
		()			:	(6	5).		
				:	())	(6
()	:							
-	1 :				309	1 :		:	(1)
					.346 :			1	146
							.1	:	(2)
						.54	4 :		(3)
						.43			(4)
						.4	43	:	(5)
					470				(6)

(1). (2) : (3) .(): .(4) () .(5) (1) 2 : .116 1 : 69 (2) .70 2 : : (3) .1 (4) .455 1 : (5) .451

· : () : (1)

: 3.4

":

(2) "

. ...

(3)."
:

.451 (1)

.156 (2) .43 (3)

.(1) " ⁽²⁾."((3) ... ((4) ... (1) 1 .34 (2) .244 (3) .155

.155

(4)

(1). (2) ... (3) ((1) .189 (2) .106 (3) .101

.(1) " (3). (4) (5)_. (1) 1 : .278 (2) .101 (3) .219

.219

1 :

.86

(4)

(5)

:

): : (1)(

(2) : :

· :

(3) . :

. :

:

.7 : (1)

.108 1 : ⁽²⁾ .436 1 : ⁽³⁾

.413 : : (4)

```
(1) (
                                        ):
                        (2) .
<sup>(3)</sup>(
                  ):
                                      (4) (
                                                                ):
                                                   (5)
                    (6)
                                               )
                                                 (
                                                                           ):
                                                                                (1)
                                                         .275
                                                                                (2)
                                                         .623
                                                                                (3)
                                                       .86 :
                                                                                (4)
                                                          .30
                                                                                (5)
                                                    .623
                                                                                (6)
                                                          .623
                                                                                (7)
                                                         .625
```

; (1) . : : :

- - :

· :

(2)

(3)

:

:

(4) : ()

(5) . ()

.625

.209 : (2)

.398 4 : (3) .373 1 : (4)

.377 : : ⁽⁵⁾

: **4.4**

•

⁽¹⁾ .() () ()

(2) .

":
) () : () :
: (³⁾ : (

: .(4)

: :

: (5) : :

:

.153

.166 1 (2)

.332 1 : : (3)

.332 1 (4)

.332 1 (5)

): (1). .(2) (3)

.176 (1) .788 (2) .788 (3)

: (1 (1) (2 (2). (3 .(3) (1) .788 : (2) .788 (3) .788 :

(4 .(1) (5 (2) . (6 (3) .(4) (7 (1) .788 (2) .788 (3) .788 (4) .788

```
(8
 (1).
                                                     (9
                                                (2).
                                                : (10
                           ( ) ( ) ( ):
      (
                  ( )
  (3)
                                      ( )
           .(4)
                                                     (1)
                                 .788 :
                                                     (2)
                                     .788
                                                     (3)
.46 1 :
                                                     (4)
                                .366
                                    :
```

```
( )
                                                 .(1) "
                                                     (2) "
                                                             5.4
                            (
                                               (
                                     )
             .(3)
                                   (4)
(
                          (5).
                                                              (1)
                                  .120 1 :
                                                              (2)
         .34
                                     46 1 :
               4 :
                                                              (3)
                                      .426 1 :
                                                              (4)
                                       .426 1
                                                              (5)
                                       .159
```

```
):
       (
                ):
(
                                              (1).
                      ):
        (2)
                  (3).
           (4).
        (5)
                                        .159
                                                                (1)
                                                                (2)
                                              .160
                                                                (3)
                                     .304
                                                                (4)
                                           .304
                                                                (5)
                                          .304 :
```

6.4 (2). (3) .(4) ⁽⁴5⁾ . () (6)

(1) .

(1) .304 (2) .() (3) .158 (4) .158 : (5) 1: : 158 .332 (6) .379 – 378 : 161

```
) (
                     )
                               (
                                                    (1).
( )
       (2)
                                             ( )
                                (3)
                             ( )
                                                                     ( )
        .(4)( )
                              ( )
     (5)
                                                                     (1)
                                  621
    1 :
                                                                 .227
                                                                      (2)
                                   .387 - 386
                                                                      (3)
                                             .387 - 386
                                                                      (4)
                                                   .390
                                                                      (5)
                     .358
                              1 :
```

() (1) (): .(2) () (1 (2 (3 (4 (1) .47 : (2) 358 1 : 112 1 :

163

.394 :

. (5

. (6

. (7

. (8

() (9

(10

```
( .)
                                   (1996)
                       (1979) ( 90 )
                                                2
                                          (1967)
                 (2000) ( 905
                        (1992) ( 7 )
1
                                     (1978)
                      2
                    ( .)
                                     (1987)
                                       (1985)
                       1
                                       (1958)
         (1998) (577)
     (
         1377)( 577 )
         (1957)( 577 )
                                     (2003)
                      8
```

```
( .)
                                    ( .)
                                ( 1998)
                          1
                                       (2003)
                                           4
                                    (1983)
                  3
                 (2000) (1093)
                     4
                       ( .)
                                        (1973)
                                ( 1366)
                                ( 1992)
3
                                                3
                                 (1991)
1
             ( .)( 833 )
                                    ( .) ( 114 )
               1
   2
                                  1405)
                     (2003)
                                    1
```

```
(1999) (392)
          ( .)(
                 392 )
                           2
          ( .) ( 392 )
         (1960) (392)
                              (1974)
                              (2001)
               3
                               (2004)
           4
( .)
                        (1974) ( 45)
                                 (1981)
                                  1
                                 ( 1990)
                               ( 1996)
                 1
       2
                                 (1971)
                                (1996)
                                  11
```

```
(1987) ( 45 )
                   1
                            ( .)
( .)
                         (1999)
               (.) (626)
         (1998) ( 745 )
          ( .)( 745 )
         (1948)( 745)
                              ( 1988)
                               ( .)
               (1979)
                         2
    1
                  (1982)
        ( .)( 681 )
          ( .)
                           (1981)
                 ( .) ( 137 )
                          2
```

```
(1988)
                                  ( 1986)
                           (1940)
          2
                            ( 1310)
                             (1995)
  (1973) (388)
        (1984) (388 )
               ( .)
1
                                  (1997)
                 (1973) ( 379 )
                       2
                 (1988) (311)
             (
                 1391) ( 794 )
                              ( 1984)
                          6
```

```
(1981)
          (1960) ( 13 )
                             ( .)
                   (1987)
     (1999) (316)
   (1984) (581)
                2
          ( .)( 180 )
                               4
           (1996)
                              1
( .) ( 368 )
  (1985) (911)
 (2006) (911)
       2
```

(1998)

(1964) (911)

```
(1980) (911)
        ( .) ( 911 )
                       ( 2002)
                          (
            (2007) (790)
       2
                         (1985)
               .( .)
          (1968) ( 22)
                             ( .)
                           (1981)
1
      (1981)
    1
              8
                              (1999)
                       ( 1985)
                              (1985)
           1
```

```
(1984)
                                     1
                                    ( 1973)
                           (1950)
                                          1378
                                   (1996)
        1
              (1979) ( 769 )
6
              (1972) (669:)
               (2003) ( 769: )
                              ( 1987)
                               (1982)
              ( .) (
                     22 )
                             ( .)
                                    (1988)
                                      ( .)
                                2
                              (1988)
                        (1993)
             1
```

```
(1969)
                  (1985) (377:)
                    (1983) ( 207 : )
                                   3
                (1997) ( 110 )
                                   1
                                 (1987)
                                   ( .)
           59
                                          -82
                                       (1950)
1
                  (1972)
                  (1978)
                   (1986) (215:)
     .(
                                     ( )
                                     ( 1315)
                                     ( .)
                                    (1966)
```

```
(1962)(41)
                      . ( .)
               (2002) (702:)
                2
                (1990) (672:)
                 (1982)( 672: )
          3
                                ( 1974)
                  (1963) (285:)
                (1980) (324:)
                                 2
                              ( 1969)
                               ( .)
                                ( .)
2
               (1992) ( 749 : )
                (2007) (749:)
                                   (1969)
```

```
2
                                (1986)
                   ( .)
                                ( 1959)
              (1982) (592:)
                                3
                                  (1972)
                                    ( .)
              .( .)
                                    ( .)
                                     ( 2000)
.( .)
                        ( .)
                 (2000) (711:)
                                (1993)
                               (1995)
           (1989) ( 338 : )
                             3
                                (2002)
                            (2002)
          3
```

```
(1985)
                           (1982)
        (2003) (761:)
         (2003)(761:)
                         ( 1940)
                         (1979)
(2001) ( 643 : )
                          (1985)
                                   (1965)
```