WhileLoop → **while** *Expression* **:** *Statement* **else** *Statement*
Expression → *Expression* **or** *AndExpression* | *AndExpression*
AndExpression → *AndExpression* **and** *Term* | *Term*
Term → **ID** | **CONST**
Statement → *WhileLoop* | **ID :=** *Expression* **;**

(1) *WhileLoop* → **while** *Expression* **:** *Statement* **else** *Statement*
(2) *Expression* → *Expression* **or** *AndExpression*
(3) *Expression* → *AndExpression*
(4) *AndExpression* → *AndExpression* **and** *Term*
(5) *AndExpression* → *Term*
(6) *Term* → **ID**
(7) *Term* → **CONST**
(8) *Statement* → *WhileLoop*
(9) *Statement* → **ID :=** *Expression* **;**

(1) *WL* → **while** *E* **:** *S* **else** *S*
(2) *E* → *E* **or** *AE*
(3) *E* → *AE*
(4) *AE* → *AE* **and** *T*
(5) *AE* → *T*
(6) *T* → **ID**
(7) *T* → **CONST**
(8) *S* → *WL*
(9) *S* → **ID :=** *E* **;**

l₀:

    WL' → .WL
    WL → **.while** *E* **:** *S* **else** *S*

l₁: *goto(l₀, WL)* :

    `WL' → WL .`

l₂: *goto(l₀,* **while***)* :

    WL → **while** *.E* **:** *S* **else** *S*
    E → *.E* **or** *AE*
    E → *.AE*
    AE → *.AE* **and** *T*
    AE → *.T*
    T → **.ID**
    T → *.***CONST**

l_3: *goto(l_2, E)* :

$WL \rightarrow$ **while** E **.**: S **else** S
$E \rightarrow E$ **.or** AE

l_4: *goto(l_3, :)* :

$WL \rightarrow$ **while** E **:** .S **else** S
$S \rightarrow$ .WL
$S \rightarrow$ **.ID :=** E **;**
$WL \rightarrow$ **.while** E **:** S **else** S

l_5: *goto(l_4, S)* :

$WL \rightarrow$ **while** E **:** S **.else** S

l_6: *goto(l_5, **else**)* :

$WL \rightarrow$ **while** E **:** S **else** .S
$S \rightarrow$ .WL
$S \rightarrow$ **.ID :=** E **;**
$WL \rightarrow$ **.while** E **:** S **else** S

l_7: *goto(l_6, S)* :

$WL \rightarrow$ **while** E **:** S **else** S**.**
Redukciono - S1

l_8: *goto(l_4, WL)* :

$S \rightarrow WL$**.**
Redukciono - S8

l_9: *goto(l_4, **ID**)* :

$S \rightarrow$ **ID** .**:=** E **;**

l_{10}: *goto(l_9, :=)* :

$S \rightarrow$ **ID :=** .E **;**
$E \rightarrow$ .E **or** AE
$E \rightarrow$ .AE
$AE \rightarrow$ .AE **and** T
$AE \rightarrow$ .T
$T \rightarrow$**.ID**
$T \rightarrow$ **.CONST**

l_{11}: *goto(l_{10}, E)* :

$S \rightarrow$ **ID :=** E **.;**
$E \rightarrow E$ **.or** AE

l_{12}: *goto(l_{11}, ;)* :

$S \rightarrow$ **ID :=** E **;.**
Redukciono - S9

l_{13}: goto(l_3, **or**) :

$E \rightarrow E$ **or** .AE
$AE \rightarrow$ .AE **and** T
$AE \rightarrow$ .T
$T \rightarrow$**.ID**
$T \rightarrow$ **.CONST**

l_{14}: *goto(l_{13}, AE)*:

$E \rightarrow E$ **or** AE**.**
Redukciono - S2
$AE \rightarrow AE$ **.and** T

l_{15}: *goto(l_2, AE)* :

$E \rightarrow AE$**.**
Redukciono - S3
$AE \rightarrow AE$ **.and** T

l_{16}: *goto(l_{14}, **and**)* :

$AE \rightarrow AE$ **and** .T
$T \rightarrow$**.ID**
$T \rightarrow$ **.CONST**

l_{17}: *goto(l_{16}, T)* :

$AE \rightarrow AE$ **and** T**.**
Redukciono - S4

l_{18}: *goto(l_2, T)* :

$AE \rightarrow T$**.**
Redukciono - S5

l_{19}: *goto(l_2, **ID**)* :

$T \rightarrow$**ID.**
Redukciono - S6

l_{20}: *goto(l_2, **CONST**)* :

$T \rightarrow$**CONST .**
Redukciono - S7

$goto(l_4, \textbf{while}) = l_2$ $goto(l_6, \textbf{while}) = l_2$ $goto(l_6, \textbf{ID}) = l_9$ $goto(l_6, WL) = l_8$
$goto(l_{11}, \textbf{or}) = l_{13}$ $goto(l_{10}, AE) = l_{15}$ $goto(l_{10}, T) = l_{18}$ $goto(l_{10}, \textbf{ID}) = l_{19}$
$goto(l_{10}, \textbf{CONST}) = l_{20}$ $goto(l_{13}, T) = l_{18}$ $goto(l_{13}, \textbf{ID}) = l_{19}$ $goto(l_{13}, \textbf{CONST}) = l_{20}$
$goto(l_{15}, \textbf{and}) = l_{16}$ $goto(l_{16}, \textbf{ID}) = l_{19}$ $goto(l_{16}, \textbf{CONST}) = l_{20}$
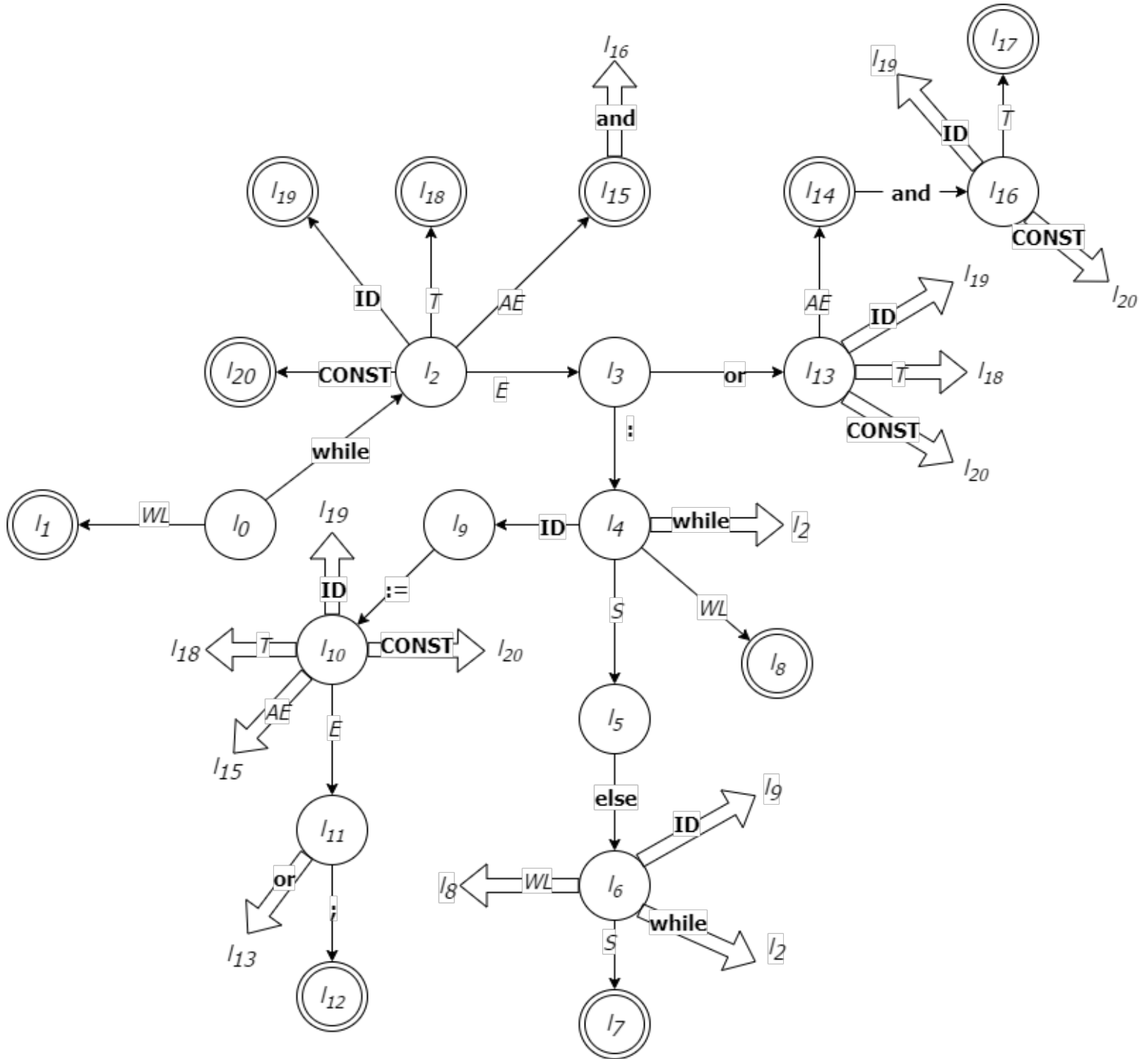
Rbr. Smene	Redukciono Stanje	Smena A → α	First(α)	Follow(A)
0.	l_1	$WL' \rightarrow WL$	**while**	**#**
1.	l_7	$WL \rightarrow$ **while** E **:** S **else** S	**while**	**# else**
2.	l_{14}	$E \rightarrow E$ **or** AE	**ID CONST**	**or : ;**
3.	l_{15}	$E \rightarrow AE$	**ID CONST**	**or : ;**
4.	l_{17}	$AE \rightarrow AE$ **and** T	**ID CONST**	**or : ; and**
5.	l_{18}	$AE \rightarrow T$	**ID CONST**	**or : ; and**
6.	l_{19}	$T \rightarrow$ **ID**	**ID**	**or : ; and**
7.	l_{20}	$T \rightarrow$ **CONST**	**CONST**	**or : ; and**
8.	l_8	$S \rightarrow WL$	**while**	**# else**
9.	l_{12}	$S \rightarrow$ **ID := ** E **;**	**ID**	**# else**

	AKCIJE										PRELAZI				
	while	**:**	**else**	**;**	**or**	**and**	**ID**	**CONST**	**:=**	**#**	*WL*	*E*	*S*	*AE*	*T*
0	s2										1				
1										acc					
2							s19	s20				3		15	18
3		s4			s13										
4	s2						s9				8		5		
5			s6												
6	s2						s9				8		7		
7			r1							r1					
8			r8							r8					
9									s10						
10							s19	s20				11		15	18
11				s12	s13										
12			r9							r9					
13							s19	s20						14	18
14		r2		r2	r2	s16									
15		r3		r3	r3	s16									
16							s19	s20							17
17		r4		r4	r4	r4									
18		r5		r5	r5	r5									
19		r6		r6	r6	r6									
20		r7		r7	r7	r7									

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