SLR Parser Generator

DIL.	grammar ('' is ε):
(0)	P' -> P
(1)	P -> inicio V A
(2)	V -> varinicio LV
(3)	LV -> D LV
(4)	
(5)	D -> id TIPO ;
(6)	TIPO -> int
(7)	TIPO -> real
(8)	TIPO -> lit
(9)	A -> ES A
(10	ES -> leia id ;
)	ES -> escreva ARG ;
(11	ARG -> literal
)	ARG -> num
(12	ARG -> id
)	A -> CMD A
(13	CMD -> id rcb LD ;
)	LD -> OPRD opm OPRD
(14	
)	OPRD -> id
(15	OPRD -> num
)	A -> COND A
(16	COND -> CABECALHO
)	CORPO
(17	CABECALHO -> se (

FIRST / FOLLOW table
FIRST FOLLOW | [inicio] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | [\$] | 

		SLR closure table										
>>	Goto	Kernel	Closure Closure									
		{P' -> .P}	0 (P' -> .P; P -> .inicio V A)									
		{P' -> P.} {P -> inicio.V A}	1									
		{P -> inicio V.A}	V = nincio V N V - VN I VN I VN I VN I VN I VN I V									
	goto(2, varinicio)	{V -> varinicio.LV}	4 (V -> varinicio.LV; LV -> .D LV; LV -> .varfim ;; D -> .id TIPO ;)									
		{P -> inicio V A.}	5 (P -> inicio V A.)									
		{A -> ES.A}	6 [(A -> ES.A; A -> .ES A; A -> .CMD A; A -> .CMD A; A -> .fim; ES -> .leia id;; ES -> .escreva ARG;; CMD -> .id rcb LD;; COND -> .CABECALHO CORPO; CABECALHO> .se (EXP R) entao)									
		{A -> CMD.A} {A -> COND.A}	7  [A -> CMD.A; A -> .ES A; A -> .CMD A; A -> .CMD A; A -> .CMD A; A -> .fim; ES -> .leia id ;; ES -> .escreva ARG ;; CMD -> .id rcb LD ;; COND -> .CABECALHO CORPO; CABECALHO -> .se ( EXP_R ) entao}  8  [A -> COND.A; A -> .ES A; A -> .CMD A; A -> .CMD A; A -> .COND A; A -> .fim; ES -> .leia id ;; ES -> .escreva ARG ;; CMD -> .id rcb LD ;; COND -> .CABECALHO CORPO; CABECALHO -> .se ( EXP_R ) entao}									
		{A -> fim.}	9 (A -> fim.)									
		{ES -> leia.id ;}	10 (ES -> leia.id;)									
	goto(3, escreva)		11 (ES -> escreva.ARG ;; ARG -> .literal; ARG -> .num; ARG -> .id)									
	goto(3, id) goto(3, CABECALHO)		12 [CMD -> id.rcb LD;] 13 [COND -> CABECALHO.CORPO; CORPO -> .ES CORPO; CORPO -> .CMD CORPO; CORPO -> .COND CORPO; CORPO -> .fimse; ES -> .leia id;; ES -> .escreva ARG;; CMD -> .id rcb LD;; COND -> .CABECALHO CORPO; CABECALHO -> .se ( EXP R ) entaol									
	goto(3, CABECALHO)	{COND -> CABECALHO.CORPO} {CABECALHO -> se.( EXP R ) entao}										
_			15 (V -> varincio LV.)									
_		{LV -> D.LV}	16 (LV -> D.LV; LV -> .D LV; LV -> .varfim ;; D -> .id TIPO ;)									
-		{LV -> varfim.;}	17 (LV -> varfim.;)									
_			18									
		{A -> ES A.} {A -> ES.A}	19 {A -> ES A.} 6									
_		{A -> CMD.A}	7									
_		{A -> COND.A}	8									
=	3	{A -> fim.}										
se}			10									
	goto(6, escreva)		11   12   12   13   14   15   16   16   16   16   16   16   16									
se}		{COND -> CABECALHO.CORPO}	13									
$\dashv$	goto(6, se)											
se}		{A -> CMD A.} {A -> ES.A}	20 {A -> CMD A.}									
		{A -> ES.A} {A -> CMD.A}	·									
se}		{A -> COND.A}	8									
oe;		{A -> fim.}	9									
			10									
	goto(7, escreva) goto(7, id)		11   12   13   14   15   16   16   16   16   16   16   16									
			13									
	goto(7, se)	{CABECALHO -> se.( EXP_R ) entao}										
			21 (A -> COND A.)									
		{A -> ES.A} {A -> CMD.A}	6   7									
		{A -> COND.A}										
	goto(8, fim)	{A -> fim.}	9									
			10									
	goto(8, escreva) goto(8, id)		11   12   12   13   14   15   16   16   16   16   16   16   16									
	goto(8, se)	{CABECALHO -> se.( EXP_R ) entao}	14									
	goto(10, id)		22 [ES -> leia id.;}									
			23 (ES -> escreva ARG.;) 24 (ARG -> literal.)									
	goto(11, num)		25 (ARG -> num.)									
	goto(11, id)		26 (ARG -> id.)									
	goto(12, rcb) goto(13, CORPO)	{CMD -> id rcb.LD ;} {COND -> CABECALHO CORPO.}	27 (CMD -> id rcb.LD;; LD -> .OPRD opm OPRD; LD -> .OPRD; OPRD -> .id; OPRD -> .num)  28 (COND -> CABECALHO CORPO.)									
	goto(13, CORFO)	{CORPO -> ES.CORPO}	100 - CABELALING CORPG: CORPG -> .ES CORPG: CORPG -> .CMD CORPG: CORPG -> .CMD CORPG: CORPG -> .CMD CORPG: CORPG -> .CMD CORPG: CORPG -> .ES CORPG: CORPG -> .ES CORPG: CORPG -> .ES CORPG: CORPG -> .CMD CORPG -> .									
	goto(13, CMD)	{CORPO -> CMD.CORPO}	30 [CORPO -> CMD.CORPO; CORPO -> .ES CORPO; CORPO -> .CMD CORPO; CORPO -> .CMD CORPO; CORPO -> .CMD CORPO; CORPO -> .fimse; ES -> .leia id ;; ES -> .escreva ARG ;; CMD -> .id rcb LD ;; COND -> .CABECALHO CORPO; CABECALHO -> .se (EXE_R) entao}									
	goto(13, COND)		31 (CORPO -> COND.CORPO; CORPO -> .ES CORPO; CORPO -> .CMD CORPO; CORPO -> .CMD CORPO; CORPO -> .cond CORPO; CORPO -> .fimse; ES -> .leia id ;; ES -> .escreva ARG ;; CMD -> .id rcb LD ;; COND -> .CABECALHO CORPO; CABECALHO -> .se ( EXP_R ) entao}									
	goto(13, fimse)		32   (CORPO -> fimse.)									
	goto(13, leia) goto(13, escreva)		10									
	goto(13, id)		12									
	goto(13, CABECALHO)		13									
	goto(13, se)	{CABECALHO -> se.( EXP_R ) entao}										
	goto(14, () goto(16, LV)	{CABECALHO -> se (.EXP_R ) entao} {LV -> D LV.}	33 (CABECALHO -> se (.EXP_R ) entao; EXP_R -> .OPRD opr OPRD; OPRD -> .id; OPRD -> .num)  34 (LV -> D LV.)									
			16									
			17									
			18 (IV > upvfim t )									
			35 (LV -> varfim ;.) 36 (D -> id TIPO.;)									
			37 (TIPO -> int.)									
	goto(18, real)	{TIPO -> real.}	38 (TIPO -> real.)									
			39 (TIPO -> lit.)									
			40 {ES -> leia id ;.} 41 {ES -> escreva ARG ;.}									
	goto(27, LD)		42 {CMD -> id rcb LD.;}									
	goto(27, OPRD)	{LD -> OPRD.opm OPRD; LD -> OPRD.}	43 (LD -> OPRD.cpm OPRD; LD -> OPRD.)									
	goto(27, id)		44 {OPRD -> id.}									
	goto(27, num) goto(29, CORPO)		45   (OPRD -> num.)									
	goto(29, ES)		29									
	goto(29, CMD)	{CORPO -> CMD.CORPO}	30									
	goto(29, COND)		31									
	goto(29, fimse) goto(29, leia)		32   10   10   11   12   13   14   15   15   15   15   15   15   15									
			11									
	goto(29, id)		12									
	goto(29, se) goto(30, CORPO)	{CABECALHO -> se.( EXP_R ) entao} {CORPO -> CMD CORPO.}	14   47   {CORPO -> CMD CORPO.}									
	goto(30, ES)		29									
	goto(30, CMD)	{CORPO -> CMD.CORPO}	30									
	goto(30, COND)		31									
	goto(30, fimse) goto(30, leia)		32   10   10   11   12   13   14   15   15   15   15   15   15   15									
			11									
	goto(30, id)	{CMD -> id.rcb LD ;}	12									
	goto(30, se) goto(31, CORPO)	{CABECALHO -> se.( EXP_R ) entao} {CORPO -> COND CORPO.}	14   (CORPO -> COND CORPO.)									
	3000 (02, CORPO)	COLLO F COMP CORFO. 1	Tearing , date dates.)									

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05/11/2020

			SLR Parser Generator
			SLR closure table
Goto	Kernel	State	Closure
goto(31, ES)	{CORPO -> ES.CORPO}	29	
goto(31, CMD)	{CORPO -> CMD.CORPO}	30	
goto(31, COND)	{CORPO -> COND.CORPO}	31	
goto(31, fimse)	{CORPO -> fimse.}	32	
goto(31, leia)	{ES -> leia.id ;}	10	
goto(31, escreva)	{ES -> escreva.ARG ;}	11	
goto(31, id)	{CMD -> id.rcb LD ;}	12	
goto(31, CABECALHO)	{COND -> CABECALHO.CORPO}	13	
goto(31, se)	{CABECALHO -> se.( EXP_R ) entao}	14	
goto(33, EXP_R)	{CABECALHO -> se ( EXP_R.) entao}		(CABECALHO -> se ( EXP_R.) entao)
goto(33, OPRD)	{EXP_R -> OPRD.opr OPRD}	50	{EXP_R -> OPRD.opr OPRD}
goto(33, id)	{OPRD -> id.}	44	
goto(33, num)	{OPRD -> num.}	45	
goto(36, ;)	{D -> id TIPO ;.}	51	{D -> id TIPO ;.}
goto(42, ;)	{CMD -> id rcb LD ;.}	52	(CMD -> id reb LD ;.)
goto(43, opm)	{LD -> OPRD opm.OPRD}	53	{LD -> OPRD opm.OPRD; OPRD -> .id; OPRD -> .num}
goto(49, ))	{CABECALHO -> se ( EXP_R ).entao}	54	(CABECALHO -> se ( EXP_R ).entao)
goto(50, opr)	{EXP_R -> OPRD opr.OPRD}	55	[EXP_R -> OPRD opr.OPRD; OPRD -> .id; OPRD -> .num)
goto(53, OPRD)	{LD -> OPRD opm OPRD.}	56	[LD -> OPRD opm OPRD.]
goto(53, id)	{OPRD -> id.}	44	
goto(53, num)	{OPRD -> num.}	45	
goto(54, entao)	{CABECALHO -> se ( EXP_R ) entao.]	57	{CABECALHO -> se ( EXP_R ) entao.}
goto(55, OPRD)	{EXP_R -> OPRD opr OPRD.}	58	[EXP_R -> OPRD opr OPRD.]
goto(55, id)	{OPRD -> id.}	44	
goto(55, num)	{OPRD -> num.}	45	

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7				s1	2			s10						s14					s9					20 6	5	7		8	13		
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57			TÌ	r <sub>2</sub>	3		٦F	r <sub>23</sub>	3 r	23		П		r <sub>23</sub>				r <sub>23</sub>	П		TH	T		Ħ			T				İ
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