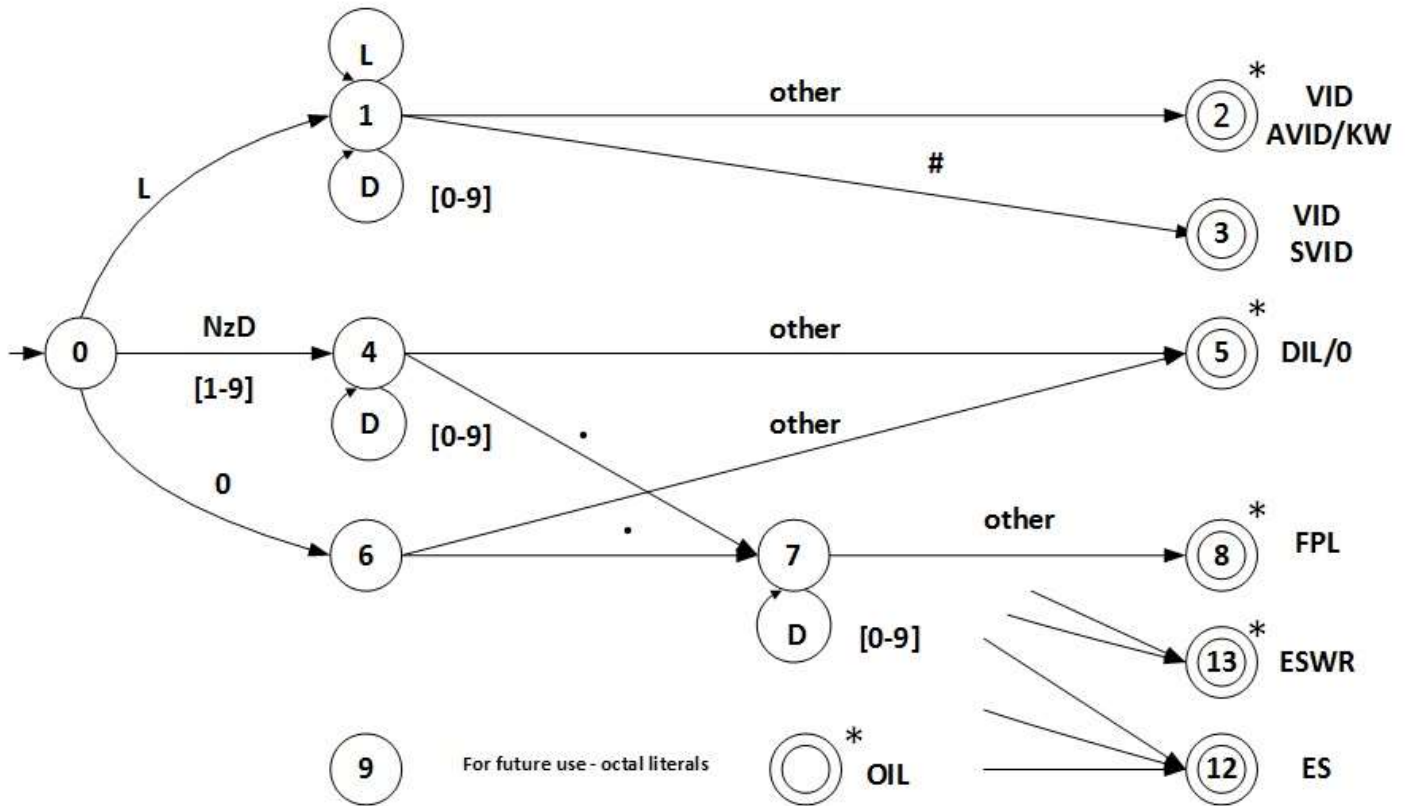


Regular Expressions and Transition Diagram for PLATYPUS (octal literals not included)

$VID = AVID \mid SVID$ $AVID = L (L \mid D)^*$ $SVID = AVID\#$ $L = [a-zA-Z]$ $D = [0-9]$
 $IL = DIL \mid OIL$ $DIL = 0 \mid NzDD^*$ $NzD = [1-9]$
 $FPL = DIL.D^* = (0 \mid NzDD^*).D^*$



Transition Table

Current State	INPUT SYMBOL						State Type (Not Accepting or Accepting State)
	[a-zA-z]	0	[1-9]	.	#	other	
0	1	6	4	IS/ES	IS/ES	IS/ES	NOAS
1	1	1	1	ES/AS2	3	2	NOAS
2	IS	IS	IS	IS	IS	IS	VID AVID/KW - ASWR
3	IS	IS	IS	IS	IS	IS	VID SVID - ASNR
4	ES/AS5	4	4	7	5	5	NOAS
5	IS	IS	IS	IS	IS	IS	DIL - ASWR
6	ES			7	ES	5	NOAS
7	ES/AS8	7	7	ES/AS8	8	8	NOAS
8	IS	IS	IS	IS	IS	IS	FPL - ASWR
9							NOAS
10							
11							
12	IS	IS	IS	IS	IS	IS	ES - ASNR
13	IS	IS	IS	IS	IS	IS	ESWR - ASWR

IS – Illegal State ES – Error State ES/AS – Error State or Accepting State

NOAS – Not Accepting State

ASWR - Accepting State With **R**etract ASNR - Accepting State No **R**etract