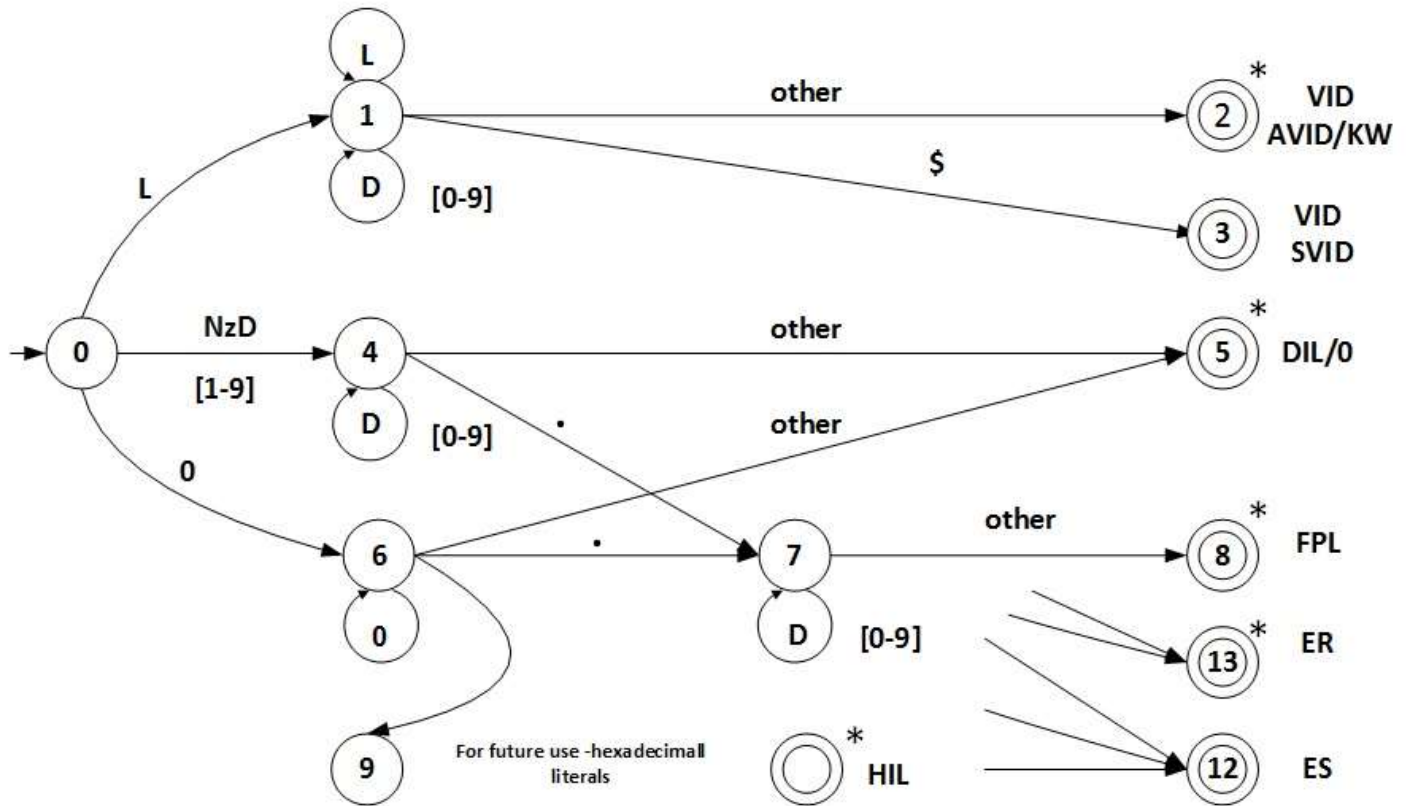


Regular Expressions and Transition Diagram for PLATYPUS (hexadecimal literals not included)

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



Transition Table

Current State	INPUT SYMBOL						State Type (Not Accepting or Accepting State)
	[a-zA-z]	0	[1-9]	.	\$	other	
0	1	6	4	ES	ES	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				7	ES/AS5	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	ER - ASWR

IS – Illegal State **ES** – Error State **ES/AS** – Error State or Accepting State
NOAS – Not Accepting State **ER** – Error State with **R**etract
ASWR - Accepting State With **R**etract **ASNR** - Accepting State No **R**etract