Name: Sifat Abdullat

ID: 19101384

Sec: 01

100 02

Table 101

	Free	A		7		7	1	1	
Ī	A	B	AQV	<i>√</i> 0 <i>0</i>	P	IR,	ID2	1 Vb	ontpu
-	0	D	-0.67	-0.67	0.66	0.003	1.32×10 11	0-509 -0:509	5
-	5 5	6	4.32	-0.68	0.68	0.003	1.72×1611	-0.49	5
-	90	6 5	-0.68	4.32	0.68	0.003	1.72×16"	-0.49	5
	5	5	2.79	2.79.	2.21	0.002	0.003	0.867	0.124

Table :02

Α.	, G	1 Vp	\\\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	output
5	0	0.68	-0.49	5
5	5	2.21	0.867	0.124

3 in the cincuit it pentonm mand operation.

or we know when both input in high

the output will be low in mand and
in our cincuit we can see the same thing.

There mand operation is being done because

the transiston is in cutoff mode when

both, the output is not high, for that we are getting the same output. as when both input is night the transistor is in saturation mode that why the output we are getting in low.

- (9) when one input is high and other one is flow the current How is next to 0 in the transiston as the diode voltage is not enough to turn on the transiston so it will be in cutoff mode.
 - From simulation if we take any of A on B as 5 volt them and the other as 1 v the output is still high. Anything more than that makes the output 10w.

and the second s

· a grant of agrant of a sale



