CUE 350 Low Deport-2

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Pec: 12.

Experiment No.2:

DIL Logie golle.

Valle -1									
mA	IND	VDO	You	Vp	De	DR2	VB	original	
0	0	0.66	0.66	0.66	0,002	1.723	0.515	5	
O	5	0.68	4.32	O.678	0.0024	1.722 ×10×J1	0,498	6	
5	0	-4.32	0.68	O.G78	0,0024	1.722 ×10-11	0,498	5	
5	_	-2.83						0	

Solle - 2

Input A	Input B	Vp	Vn	Outputy	
5	0	-	0.498	5	
5	5	2.167	0.891	O	

Deport

when one of the input is HICTH and others one is low, OIT is in evi OFF mode.

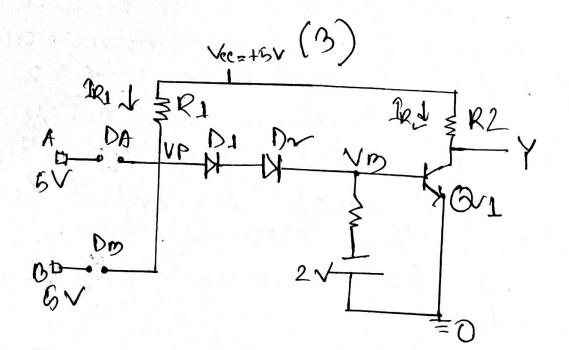
low and Input to is high,

(P-0.0)

In this situation, Do will be on ond Do will be "off."

In NAND operation when look the Imputs over high, we get a low output. On every other case, the output will be high.

In this circuit, input A and D are connected to reversed DA and Do which is acting as on the AND gotte. The conjutionship and that AND gotte. The conjutionship is fed into the RIL inverter where it gets inverted, thus NAND is jurpormed.



Here we fined A as logical high. when mount of is low when D is high. And when D is high, the output when D is high, the operation is low. To here, a NOT operation is town, I have, in this eineut, when A is high, in this eineut, or will be on cutoff mode. To.

the output will depend on input the output will depend on input of thook, when B is low output is high and B is high output is low.

(F)

According to my proteus simulation the minimum value of input A and B are 1.3 V. in this situation the output is = 0.138 which is low.

12 v, output becomes 3.842 v. fo, the minimum input is = 1.3 v.

