VzI	4	5
5	5	4.80314
5	5	4,80314
5	5	4,80314
1.14492	4.996	0,57792
	5 5	5 5

Tableil

Report:

1) When One on both input is low, Ta and To transitors will go to saturation mode.

It will siesult To and Ty in Cutoff mode because very small amount of current will flow from the base of To Food this,

To townsolow will be in active stepson

since it will have By at base and positive voltage at emitter. Thus, output will be high.

On the other hand if both inputs one high to make will go to never active active mode which will make the to in saturation mode and this will put the ty in saturation mode. As a result . To will be is cut off to mode and output will be logic low.

2) Totem pole stage is one output samuat
of TTL cinemits. In this stage, one
transistoon works as pull-down structure
and another works as pull-up structure.

Also, in Jotem pole Nometwee pull up resistance is low for this pull up stage takes way less time. Type Fig. When both input are low estationals made-llugues extreme reobsimilaret established to salrow resilono bus

- 4) Henre, T3 worker as a phase splitter.
 097 a switch.
- 5) It Diode. In is not used, then output could be high when it is supposed to be low.
- When at least one input is low to toransiston will be in forward active mode.



