

A.

| IPTG aTc | - - | - + | + - | + + |
|--------------|------------|-----------|-----------|------------|
| NOT (aTc) | On | Off | On | Off |
| NOR | On | Off | Off | Off |
| ANDN | Off Off | Off On | On Off | Off Off |
| ALL ON | On | On | On | On |
| NAND | On | On | On | Off |
| ORN | On On | On Off | Off On | On On |

B.

