|  |  |  |  |
| --- | --- | --- | --- |
| Transient | trans | | Stop time = 100n, moderate |
| DC | DC Analysis | | Save DC Operating point |
| Sweep Variable  Component Parameter | Component Name = Select input signal component (Vpulse)  Parameter Name = dc | |
| Sweep Range  Start – Stop | Start = 0, Stop 1.8 | |

INVERTER

|  |  |  |
| --- | --- | --- |
| Transient | trans | Stop time = 50n, moderate |

NOR GATE

|  |  |  |
| --- | --- | --- |
| Transient | trans | Stop time = 5m, moderate |
| DC | DC Analysis | Save DC Operating point |
|  | Sweep Variable  Component Parameter | Component Name = Select input signal component (Vpulse)  Parameter Name = dc |
|  | Sweep Range Start – Stop | Sweep Type = Linear Start = -5, Stop = 5,  Step size = 10m V |
| AC | Sweep Range  Start – Stop | Sweep Type = Logarithm, Start = 10, Stop = 10G,  Points Per Decade = 10 |

CS AMPLIFIER

|  |  |  |
| --- | --- | --- |
| Transient | trans | Stop time = 5m, moderate |
| DC | DC Analysis | Save DC Operating point |
|  | Sweep Variable  Component Parameter | Component Name = Select input signal component (Vpulse)  Parameter Name = dc |
|  | Sweep Range Start – Stop | Start = -5, Stop = 5 |
| AC | Sweep Range  Start – Stop | Sweep Type = Automatic, Start = 100, Stop = 10G, |

2 STAGE OP AMP

BOOLEAN

|  |  |  |
| --- | --- | --- |
| Transient | trans | Stop time = 200ns, moderate |