

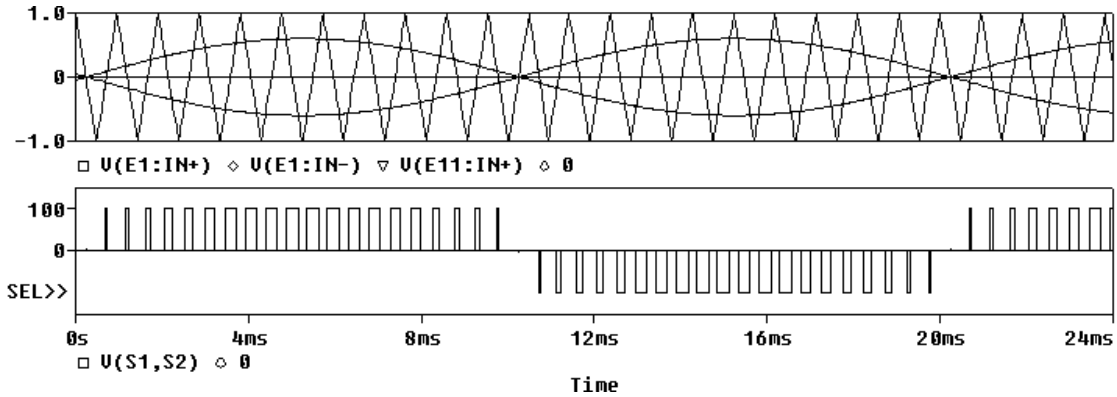
## Sinusoidal Pulse Width Modulation-Unipolar (SPWM-U)

(i)  $M_a$  is varied and other parameters are kept constant.

PARAMETERS:

$$FTRI = \{FSINE * MF\} \quad M_a = 0.6$$

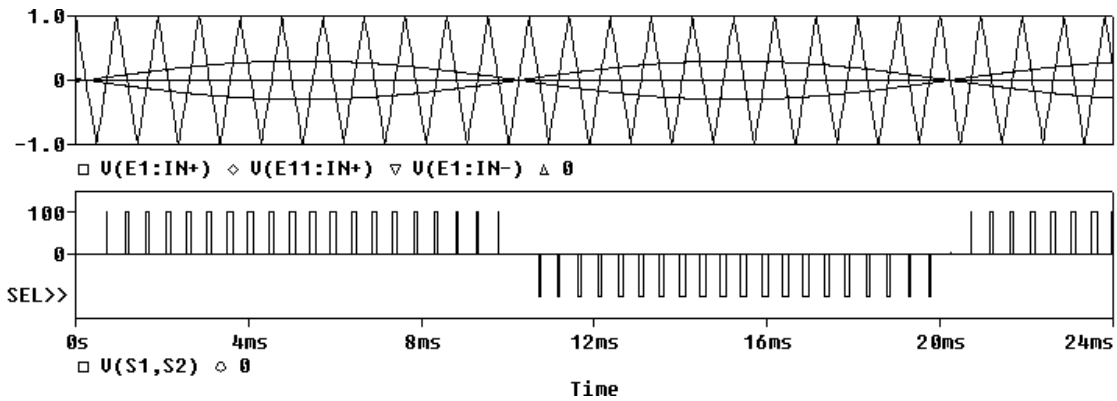
$$FSINE = 50 \quad M_f = 21$$



PARAMETERS:

$$FTRI = \{FSINE * MF\} \quad M_a = 0.3$$

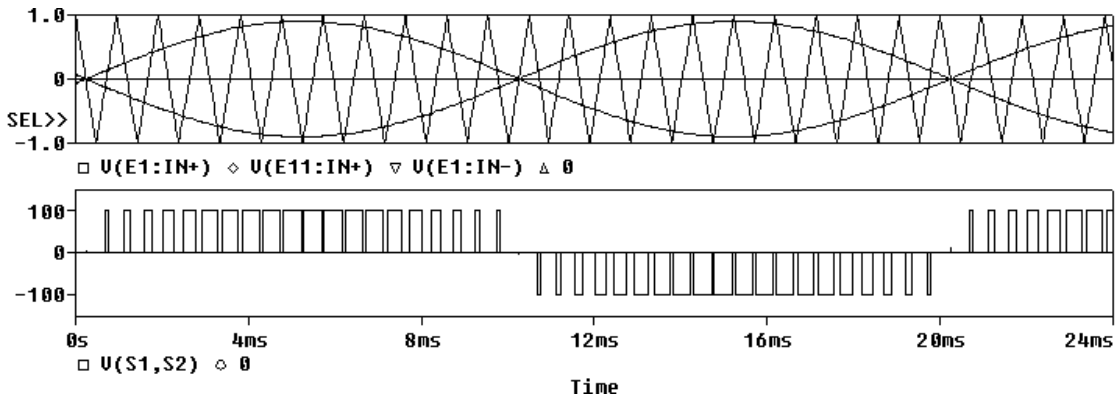
$$FSINE = 50 \quad M_f = 21$$



PARAMETERS:

$$FTRI = \{FSINE * MF\} \quad M_a = 0.9$$

$$FSINE = 50 \quad M_f = 21$$

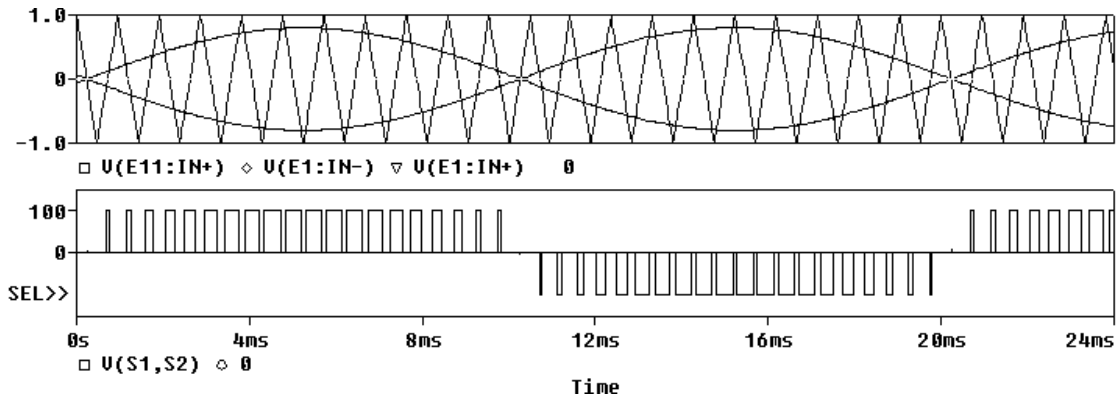


(ii)  $M_f$  is varied and other parameters are kept constant ( $F_{sine} = 50$ ,  $M_a = 0.8$ ).

PARAMETERS:

$FTRI = \{FSINE * MF\}$   $M_a = 0.8$

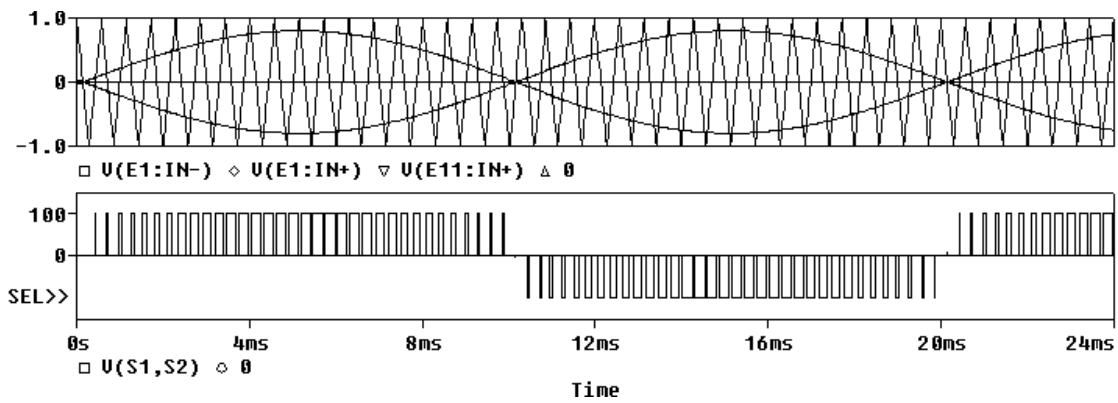
$FSINE = 50$   $M_f = 21$



PARAMETERS:

$FTRI = \{FSINE * MF\}$   $M_a = 0.8$

$FSINE = 50$   $M_f = 35$



PARAMETERS:

$FTRI = \{FSINE * MF\}$   $M_a = 0.8$

$FSINE = 50$   $M_f = 9$

