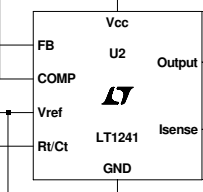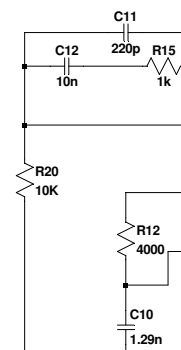# VIN

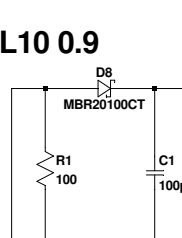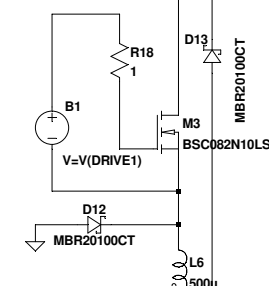**This expression shows the magnetising current in the secondary of the current sense transformer...**

-1* (I(L10)+I(L9)/100)

ISENSE1

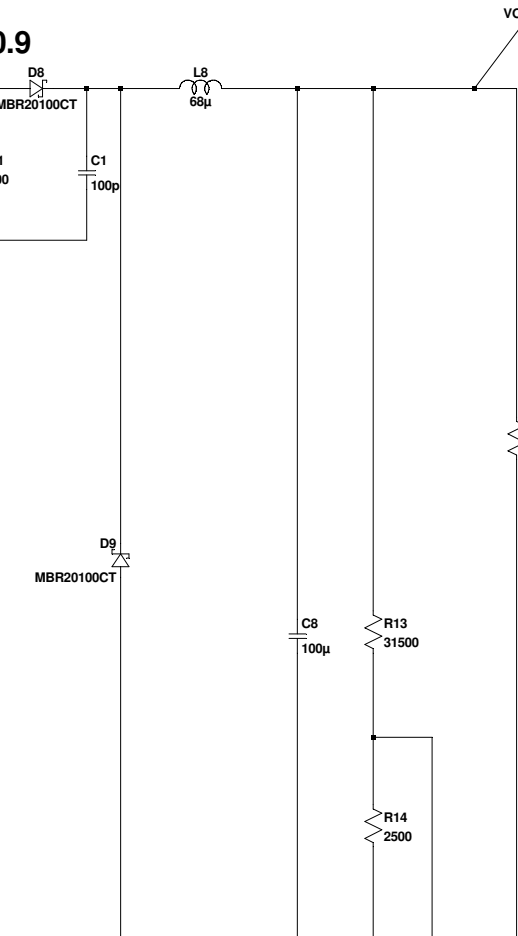C14
330p

R17
330R

R16
9.2

D10
1N4148

D11   D14
BZX84C8V2L 1N4148

L10
2m

K3 L9 L10 0.9

L9
200n

C13
200µ

D1
UPSC600

D8
MBR20100CT

L8
68µ

R1
100

C1
100p

VOUT1

VOUT

R18
1

D13
MBR20100CT

B1
V=V(DRIVE1)

M3
BSC082N10LS

D12
MBR20100CT

K2 L6 L7 1

L6
500µ

L7
1.63m

D9
MBR20100CT

R19
7.8 **LOAD**

V3
Rser=0.03
12

C8
100µ

R13
31500

C11
220p

R15
1k

C12
10n

Vcc

DRIVE1

R11
1

M4
BSC082N10LS

V4
48
Rser=0.02

FB

COMP

U2

Output

LT1241

Isense

R20
10K

Vref

R12
4000

Rt/Ct

GND

ISENSE1

C9
4µ7

C10
1.29n

R14
2500

.tran 0 30m 0 startup

--- C:\LTSPICE..IND PROPOSAL\CURR SENSE TRAFO\Current sense transformer.asc ---