

#Jenny



Finally I get this ebook, thanks for all these I can get now!

#Rio



Cool! I'am really happy

#Markus Jensen



I did not think that this would work, my best friend showed me this website, and it does! I get my most wanted eBook

#Hun Tsu



wtf this great ebook for free?!

#Che Salsa



My friends are so mad that they do not know how I have all the high quality ebook which they do not!

#Diego Butler



so many fake sites. this is the first one which worked! Many thanks

INDUSTRIAL ELECTRONICS N4
AUGUST 2009 MEMORANDUM

QUESTION 1 / vraag 1
Consider loop ABEEA. *Beskou lus ABEEA*
 $V_1 = I_1 R_1 + R_2 (I_1 + I_2)$
 $= 6I_1 + 15I_1 + 15I_2$
 $4 = 21I_1 + 15I_2$ [1] (2)

Consider loop CBEDC. *Beskou lus CBEDC*
 $V_2 = I_2 R_2 + R_3 (I_1 + I_2)$
 $= 12I_2 + 15I_1 + 15I_2$
 $10 = 15I_1 + 27I_2$ [2] (2)

[1] × 15: $60 = 315I_1 + 225I_2$ [3] (1)

[2] × 21: $210 = 315I_1 + 657I_2$ [4] (1)

[4] - [3]: $150 = 342I_2$
 $\therefore I_2 = 0,439 \text{ A}$ (1)

Substitute I_2 in [1] *Vervang I_2 in [1]*
 $4 = 21I_1 + 15(0,439)$
 $4 - 6,585 = 21I_1$
 $\therefore I_1 = -0,123 \text{ A}$ (2)

$I_1 + I_2 = -0,123 + 0,439$
 $= 0,316 \text{ A}$ (1)

100

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