CLPhys1 27.P.014. (383281)

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Answer Format Tips

Three Switches Figure 27-24 shows a circuit containing three switches, labeled S_1, S_2, and S_3. Find the current at *a* for all possible combinations of switch settings. Put $\mathscr{E}$ = 190 V, R_1 = 30.0 Ω, and R_2 = 15.0 Ω. Assume that the battery has no resistance.

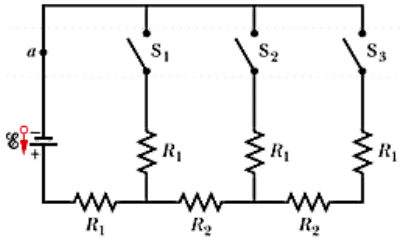

Figure 27-24

S_1, S_2, and S_3 all open		A
S_1 closed, S_2 and S_3 open		A
S_2 closed, S_1 and S_3 open		A
S_3 closed, S_1 and S_2 open		A
S_1 open, S_2 and S_3 closed		A
S_2 open, S_1 and S_3 closed		A
S_3 open, S_1 and S_2 closed		A
S_1, S_2, and S_3 all closed		A

Question Details

Name (QID): **CLPhys1 27.P.014. (383281)**
Usable/Draft: **Usable**
Locked: **Yes**
Mode: **Numerical**
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Textbook
Cummings, Laws, Redish, and Cooney, "Understanding Physics", ed.1

Chapter
27

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