A Rock 'n' Rap Variation

In *Homework 12: Rock 'n' Rap,* you figured out how many rock CDs and how many rap CDs Hits on a Shoestring should produce to maximize its profit.

Suppose the conditions were the same as in that problem except that the profits were reversed. In other words, suppose the company made $30,000 profit on each rock CD and $20,000 profit on each rap CD.

Would this change your advice to the company about how many CDs of each type to produce to maximize its profit? If so, how many of each type should the company make, and what would be the profit? Explain your answer.