8. a. Let $x_i = \begin{cases} 1 \text{ if investment alternative } i \text{ is selected} \\ \text{otherwish 代与代数 CS编程辅导} \end{cases}$

The optimal solution is

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Value = 1\(\frac{1}{2}\) Ssignment Project Exam Help

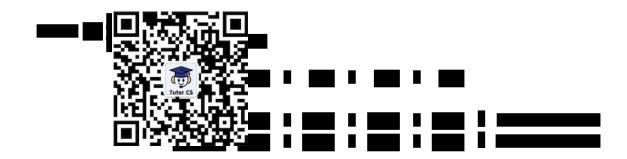
The following mutually exclusive constraint must be added to the model.

 $x_1 + x_2 \le 1$ No change in optimal solution. Email: tutorcs@163.com

The following co-requisite constraint must be added to the model in b.

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15. a. Let $x_i = \begin{cases} \text{VeChat: cstutorcs} \\ \text{O otherwise} \end{cases}$

v_i = Arstignment Project Exam Help

The objective function for an integer programming model calls for minimizing the population not served.

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There are 13 constraints needed, each is written so that y_i will be forced to equal one whenever it is not possible to coordinate in country 0

One more constraint must be added to reflect the requirement that only one principal place of business may be established.

$$x_1 + x_2 + \bullet \bullet \bullet + x_{13} = 1$$

The optimal solution has a principal place of business in County 11 with an optimal value of 739,000. A population of 739,000 cannot be served by this solution. Counties 1-5 and 10 will not be served.

b. The only change necessary in the integer programming model for part a is that the right-hand side of the last constraint is increased from 1 to 2.

The optimal solution has principal places of business in counties 3 and 11 with an optimal value of 76,000. Only County 10 with a population of 76,000 is not served. e principal place of business can be established; 1,058,000 It is not t erved. However, 642,000 can be served and if there is no ace of business in County 11, this may be a good start. Perhaps customers opportuni l later there County 11. Email: tutorcs@163.