

WeChat: cstutorcs

Assignment Project Exam Help

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13. Let BR = pounds of Brazilian beans purchased to produce Regular

BD = pounds of Brazilian beans purchased to produce DeCaf

CR = pounds of Colombian beans purchased to produce Regular

CD = pounds of Colombian beans purchased to produce DeCaf

 Type of Bean
 Cost per pound (\$)

 Brazilian
 1.10(0.47) = 0.517

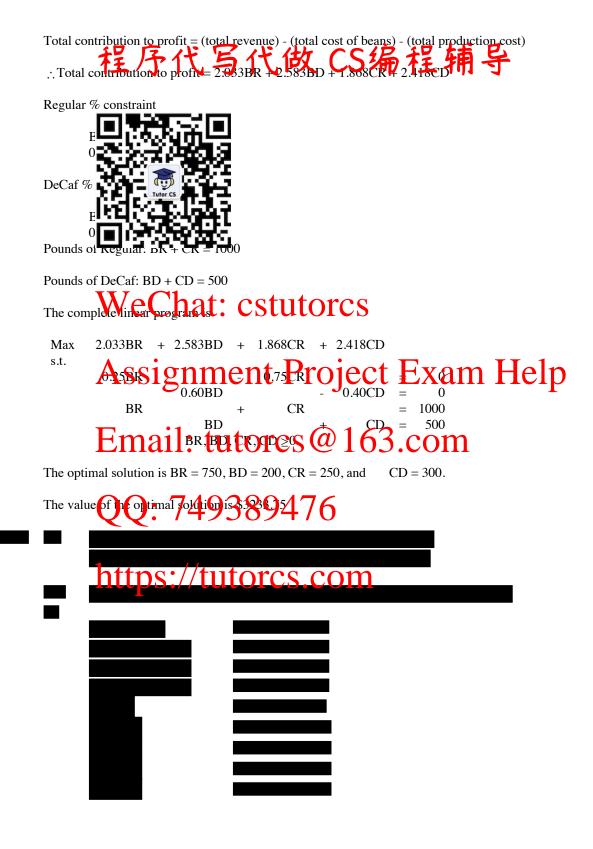
 Colombian
 1.10(0.62) = 0.682

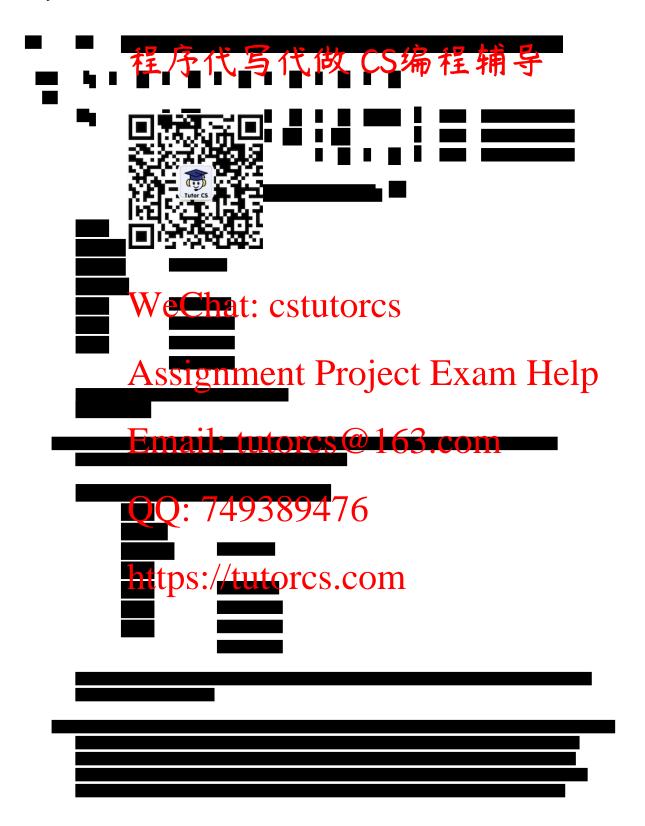
Total revenue = 3.60(BR + CR) + 4.40(BD + CD)

Total cost of beans = 0.517(BR + BD) + 0.682(CR + CD)

Total production cost = 0.80(BR + CR) + 1.05(BD + CD)

Total packaging cost = 0.25(BR + CR) + 0.25(BD + CD)







 $FM, FP, SM, SP, TM, TP \ge 0.$

Solution: WeChat: cstutores

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b. Total Cost = \$368,076.91

c. Subtract ville 11 sail variable Utro Indees valiable to Germine hours of production time used.



- d. Nothing, that the a Sady more thou Valab that are left used.
- e. Yes. The current purchase price is \$51.00 and the reduced cost of 3.577 indicates that for a purchase price below \$47.423 the solution may improve. Resolving with the coefficient of FP = 45 shows that 2714 frames should be purchased.

The optimal solution is as follows:

OPTIM程源代写代做 CS编程辅导

Optimal Objective Value



ΤP

 Value
 Reduced Cost

 2285.71429
 0.00000

 2714.28571
 3.57692

 10000.00000
 0.00000

 0.00000
 0.00000

 0.00000
 1.15385

 5000.00000
 0.00000

WeChat: cstutorcs
Constraint Slack/Surplus Dual Value

1 0.00000 -2.69231

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4 0.00000 47.42308

Email: tutores 2 165,00000



