Blank Quiz

Total points 0/10



Name: *

Vaibhav Gupta

Roll No.: *

M20AIE319



Q For the LPP described by the equations max 127,+1272 st. 37,+472 = 12 47,+372 < 12 7,7,7,0

- Both the LPP and its dual attain optimality at the same point
- the dual of the LPP has unbounded solution

The LPP has infinitely many optimal solutions

The dual of the given LPP has infinitely many solutions

No correct answers

X

× ···/2

O. For the LPP described by the set of equations rnax 57,+372
27,+727,6
37,+472 ≤ 12
71,7,70

The oftimal solution for the dual

lies in the first quadrant

X

- lies in the second quadrant
- odoes not exist
- one of the other options is correct

No correct answers

> X .../2

Q The optimal solution to the LPP max
$$27 + 7y$$

$$st \cdot 21 + 3y \leq 6$$

$$1, y > 0$$

- does not change if 2x-2y=1 is introduced as an additional constraint X
- does not change if 2x+2y=1 is introduced as an additional constraint
- does not change if 2x+3y=1 is introduced as an additional constraint
- does not change if 2x-3y=1 is introduced as an additional constraint

No correct answers

> X .../1 For the two statements A and B given as (A) An LPP has an optimal solution iff the LPP with additional integer constraints has an optimal solution (B) The time complexity of Gomosy Cut Constraint method is exponential (in the worst case). Both A and B are correct X A is correct but B is incorrect A is incorrect but B is correct Both A and B are incorrect No correct answers

> X .../2

The optimal solution to the IPP min 471, +372s.t. $71 \le 4$ $72 \le 6$ 51,+37,7,30 71,7270, integers

- exists and the optimal value is 28
- exists and the optimal value is 27
- does not exist
- is unbounded

No correct answers

X

×	···/1
The Gromosy Cut Constraint introduced to solve on	IPP
is a plane parallel to one of the constraints	×
Passes through the optimal solution of the LPP in the previous iteration	
passes through origin	
one of the other options is correct	
No correct answers	

This form was created inside of Indian Institute of Technology Jodhpur.

Google Forms