

QUICK QUESTION 3 (1/1 point)

In our optimal solution, we are giving the maximum allowed dose to the spinal cord (5). If we were to relax this, how much could we decrease the objective? Change the right-hand-side (RHS) of the spinal cord constraint to 6, and re-solve the model. By how much did we decrease the objective? (Hint: the previous objective value was 22.75)

Answer: 0.583333

EXPLANATION

If you change the RHS of the spinal cord constraint to 6 and re-solve the model (Tools->Solver, then hit solve) the new objective is 22.666667. So we decreased the objective by 0.58333333.

Final Check

Save

Hide Answer

You have used 2 of 3 submissions



About (https://www.edx.org/about-us) Jobs (https://www.edx.org/jobs) Press (https://www.edx.org/press) FAQ (https://www.edx.org/student-faq) Contact (https://www.edx.org/contact)



EdX is a non-profit created by founding partners Harvard and MIT whose mission is to bring the best of higher education to students of all ages anywhere in the world, wherever there is Internet access. EdX's free online MOOCs are interactive and subjects include computer science, public health, and artificial intelligence.



(http://www.meetup.com/edX-Global-Community/)



(http://www.facebook.com/EdxOnline)



(https://twitter.com/edXOnline)



(https://plus.google.com/108235383044095082)



(http://youtube.com/user/edxonline)

© 2014 edX, some rights reserved.

Terms of Service and Honor Code - Privacy Policy (https://www.edx.org/edx-privacy-policy)