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This is a simple program I made to assist with a research project we did about Lung SBRT plans. The program has a small WinForms GUI that the user uses to select which plan, among those they have open in Eclipse that they want to run the program on. The program then finds the Lungs-GTV and Lung structures, if they are present, and loops through the DVH curves of both to calculate the mean BED of both structures, as well as the volume percentage of the Lungs-GTV structure at BED = 70. These values are then displayed on the GUI.