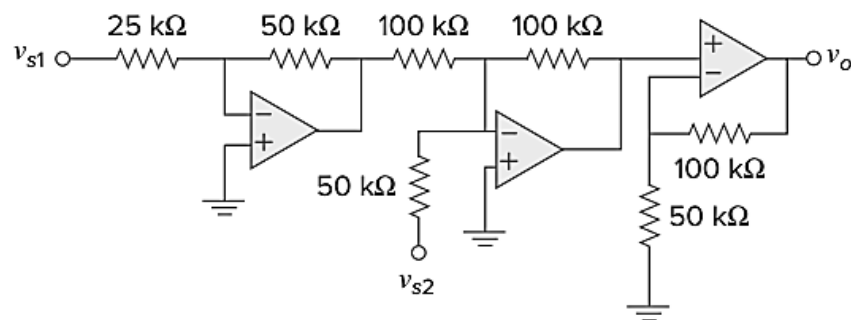


Assignment: 2	Deadline: 22 Feb 2024 (11:59 PM)	Marks: 100
Q1-Q3: CO3		

Q1. Determine v_o , when $v_{s1} = 1V$ and $v_{s2} = 2V$ are given as inputs. [30]



Q2. Design an op-amp circuit to perform the following operation: [30]

$$y = 4x_1 - 3x_2 + \int 0.8x_3 dt$$

(All resistors need to be between 1kΩ and 4.7kΩ)

Q3. Determine the values of v_o, i_1, i_2, i_3, i_4 for the following circuit: [40]

