

Quiz Problem 4

$$\frac{\mu_1^{(0)}}{|1 - 3.5|} = 2.5$$

$$|3 - 3.5| = 0.5$$

$$|5 - 3.5| = 1.5$$

$$|9 - 3.5| = 5.5$$

$$|10 - 3.5| = 6.5$$

$$|15 - 3.5| = 11.5$$

$$|20 - 3.5| = 16.5$$

$$|25 - 3.5| = 21.5$$

$$\frac{\mu_2^{(0)}}{|1 - 14|} = 18$$

$$|3 - 14| = 16$$

$$|5 - 14| = 14$$

$$|9 - 14| = 10$$

$$|10 - 14| = 4$$

$$|15 - 14| = 4$$

$$|20 - 14| = 1$$

$$|25 - 14| = 6$$

$$G_1 = [1, 3, 5, 9, 10]$$

$$G_2 = [45, 20, 25]$$

Now we calculate the new means

$$\mu_1^{(1)} = \frac{1 + 3 + 5 + 9 + 10}{5} = \frac{28}{5} = 5.6$$

$$\mu_2^{(1)} = \frac{45 + 20 + 25}{3} = 20$$