1. K-means with
$$u_1 = -4$$
 $M_2 = 1$

Heration 1: $C_1 = \{1, 2, 3, 4\}$
 $C_2 = \{5, 6, 7, 8, 9, 10\}$
 $M_1 = -10 - 8 - 7 - 4 = -29 = -73$
 $M_2 = -1 + 1 + 2 + 5 + 6 + 9 = 22 - 3 + 6$

iteration 2: $C_1 = \{1, 2, 3, 4\}$
 $C_2 = \{5, 6, 7, 8, 9, 10\}$

So our $M_1 = 3, 6$ $M_2 = 3, 6$ $M_3 = 7, 25$ $M_4 = 7, 25$ $M_2 = 3, 6$