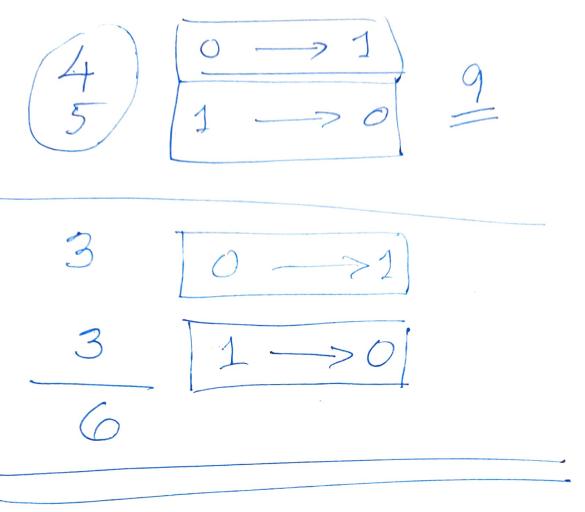


Page2



Average Problem 211 (1.00 , 1) 500 91) (4009.1.) 500,2 (21, (500, 2), (500, 1))(W), 1000/3

Explanation of Average Peoblem NI 9 100 (21 g 500) M2 ,200') 613 9300) (211 9400) 100 + 400 + 500 = 1000 211 -(UI, 1000/3) 200 + 600 + 800 (22, 1600/3) U2 213 300 + 700 (U3, 1000/2) 5-5 (21 g [100 , 400 , 500]) (2/2 o [200 , 600 , 800]) (213, [300, 700])

Average Problem without using In-Mapper. class Mapper meltiod map (-) N = T. get User (D() t = r. get Time () Emit(au, Z) Class Reduces method Reduce (21.9 [t19 t29...?]) Sum 20 count = 0

for all t in [t].... Jdo

Sum += t . count++ Emit (21, sum/count)

Average Problem wing In-Mapper technique. Clase Magper method to Instralze()
H = nen Assoc. Arrag() method mayo 21 = Y. get UserID() t - r. get Time () if H{213 is ni] Hzuz= new Pair(t,1) else Hzuz = new Pair(t, 1) // element wise addition method close for all term on in Hdo Emit (94, H {24})