

## iteration O ( = (9,.8) (2=(.2.2) Classifications dist(a, ki) = 1.9-91 + 1.9-18/ a= ki dist(b, (c1) = 1.9-.2 + 1.9-.2 = 1.3, dist(b, (e2) - 1.2-.2) + 1.2-.2 = 0 dist(c, ki) = 1.9-.7/+1.8-.6/=(4) dist(c, k2)=1,2-.7/+1.2-.6/0.9 dust (diti)= | a-(-1) + | 4-(-6) - 2.4 dist(dite) | 2-(-1) + | 2-(-6) | fl.1) dist(e, ki)= 1,9-,5|+1,8-,5|=,7 dot(e,ki)= 1,2-,5|+1,2-,5|=(6) e= K2 $\text{Newk}_{1} = \left( \begin{array}{cc} -4+.7 & .8+.6 \\ 2 & .2 \end{array} \right) = \left( .4, .7 \right)$ $\text{Newk}_{2} = \left( \begin{array}{cc} .2-.1+.5 & .2-.6+.5 \\ 3 & .3 \end{array} \right) = \left( .2, .03 \right)$

## Iteration 1

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K= (.9.7) K2-(.2, .03) Clussifications dist(a, K)= 1.8-,9 |+ 1.7-,8 = (2) dollard, 2-.9 |+ 1.03-.8 |= 1.43. dist(b, K,) = 1.8-.21+1.7-.21: 1.1 dist(dity)= 1.2-.21+1.03=.21=(17) b= K2 dot(c,k,)=1.8-.7 |+1.7-.6 |= 2 dox(c,k2)=1.2-.7 |+1.03-.6]=1.07 C= K, dior(d, K, )=1.8-(-1)+1.7-(-0)]=2.4 dior(d, Kn)-1.2-(-1)+1.03-(-0)=90 d=15 dist(ejki)=1.8-.5|+1.7-15|=(5) dist(ejki)=1.2-.5|+1.0=-.5|=.77 e=k

$$newk_1 = \left(\frac{.9+.7+.5.8+.6+.5}{3}\right) = \left(.7,.63\right)$$
  
 $newk_2 = \left(\frac{.2+.0.2}{2},\frac{.2+.6}{2}\right) = \left(.05,-.2\right)$