In-dass 11/04 M = 200 K = 100 Lo = 0.9 No: of features = 3 $M = 5.\sqrt{N} = 5.\sqrt{200}$ (1) $= 50\sqrt{2} = 70.7$ D = round (TM) = round (Fro.7) = round (8.4) = 8 3 Radius of map To = D-1= 8-1= 7 Sample = (0.1, 0.3, 0.4) weight = (0.2,0.5,0.6) Distance = E (input - Neight.) m= 1 = $(0.1-0.2)^{2}$, $(0.3-0.5)^{2}$, $(0.4-0.6)^{2}$ 0.01, 0.04, 0.04 Distance = Sq+1- (0.01+0.04+0.04) 0.3 0.00

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9
$$\sigma(t) = \sigma_0 e^{-t/4}$$
 $d = \kappa/\sigma_0$
 $d = 1000/T$
 $t = 9$
 $\sigma(9) = 7 \times e^{-\frac{9 \times 7}{1000}}$
 $f = 7 \times e^{-\frac{6 \times 7}{1000}}$

```
4
   (8) neighbor = (0.2, 05, 0.6)
        input = (0.1, 0.3 0.4)
     Weight (t+1) - Weight (t) +
                   D(E) L(E) [input (E) - Weight(E)]
      = (0.2, 0.5, 0.6) +
           0.93 × 0.477 [-0.1, -0.2, -0.2]
     = (0.2, 0.5, 0.6) +
         (-0.044, -6.089, -0.089)
      = (0.156, 0.411, 0.511)
```

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