Problem 17: first row a.b., c.d. belongs to 6=2, because for large distance instances; and; their similarity is lover than the second row e.f.g.h. in photo we can see the first row's color is darker than the second row.

d. In care not correct because for Post should be equal to Pazzo

b. f are not correct because 2 points which are near to each other are

darker than the 2 points which are four from each other, it should be lighter.

c, d are not correct, because for first cluster it should be 4 points but

there are only 3 points.

So the pareof one is (a) for 6=2 and (0) for 5=5

problem 2:

f(x) = 6(X-Wa) Wr = XWh Wr X-RMD Wh ER Wr ERKND

1/4 K<1)

there is always error when doing upsampling from K to D dimension.

So the reconstruction error count be O.

if vank (X) < K, then it could be possible.