```
J. forget function: fix)= 1-xx
                              sample & uniformly from [0,1] > h(x) = wo + w(x), squared emor
               training sol D = \int (x_{11} \int (x_{11}) , (x_{11} \int (x_{11})) \right] x_{11} x_{12} confirmly sempled from [0,1] 

<math>f(x_{11}) = \int_{-1}^{\infty} (x_{11} \int (x_{11}))^{2}
                                                                       " WULL Atting & parts to a line
          is can find such like that can fit both 2 points it possible D.
              7 Thurston, Einign=0
                          3 mo Em (g) = = = = (wot widi - (+>x2) · 1 = 0 - B
                1 = 2 > ( wor willing ) 1 = 0 -9
           \frac{1}{2} \left( \frac{1}{(w_0 + w_1 x_1 + x_1^2) + (w_0 + w_1 x_2 + z_1 x_2^2)}{(w_0 + w_1 x_1 - 1 + z_1 x_1^2) x_1 + (w_0 + w_1 x_2 - 1 + z_1 x_2^2) x_2 = 0} \right)
                     0 x 11: (wot wixi-1+xx1) x1+ (vot wixz-1+>x2) x1=0
       → Qxx1-Q: (wot M1x2-1+2x2)(x1-x2) -
                   Ox x2: (wot wix1-1+xx1) x2 + (wot wix2-1+2x2) x2 =>0
    7 Q - 0x X2: (wit WIXI-1+ xx ) (X1-12) =0
If we ignore degenerate cases that x1=x2, then
       9 No= -WIX2 +1 - 2X2
                  -WIATT (-1x2+ MIXI-1++X12=0
\frac{1}{2} \int_{\mathbb{R}^{3}} \left[ W_{0} = -M \chi_{2} + \left| -2 \chi_{2} \right|^{2} \right] = 0
\left[ W_{1} \left( \chi_{1} - \chi_{2} \right) + 2 \left( \chi_{1}^{2} - \chi_{2}^{2} \right) \right] = 0
                                                                                                                                                                  WI(KI-X2) + 2(XI-X2)(TI+X2) = 0
                                                                                                                                              7 [WI+2(KI+X2)](X1-X2)=0
VI + > (XI+X2) =0 ) WI = - > (XI+X2)
                                                                                                                                                                                                                                                                          W_0 = \frac{1}{2}(X_1 + X_2) \pi_2 + \frac{1}{2} - \frac{1}{2} X_2^2
= \frac{1}{2} \frac{1}{2} \frac{1}{2} + \frac{1}{2} \frac{1}{2}
```

Thus, $g(X) = 3X_1X_2 + 1 - 2(X_1 + X_2)X$

$$= \int_{0}^{1} \left[\frac{3}{3} + \frac{1}{3} \frac{7}{12} - \frac{3}{3} \frac{1}{3} \frac{1}{2} + \frac{3}{3} \frac{1}{12} + \frac{3}{3} \frac{1}{12} - \frac{1}{3} \frac{1}{12} - \frac{3}{3} \frac{1}{12} + \frac{3}{3} \frac{1}{12} \right] dx_{2}$$

$$= \frac{4}{5} + \frac{3}{5} - \frac{3}{5} - \frac{3}{5} + \frac{3}{5} + \frac{4}{5} - \frac{1}{5} + \frac{9}{3} + \frac{9}{3}$$

$$=\frac{1}{5} + \frac{1}{5} + \frac{1$$