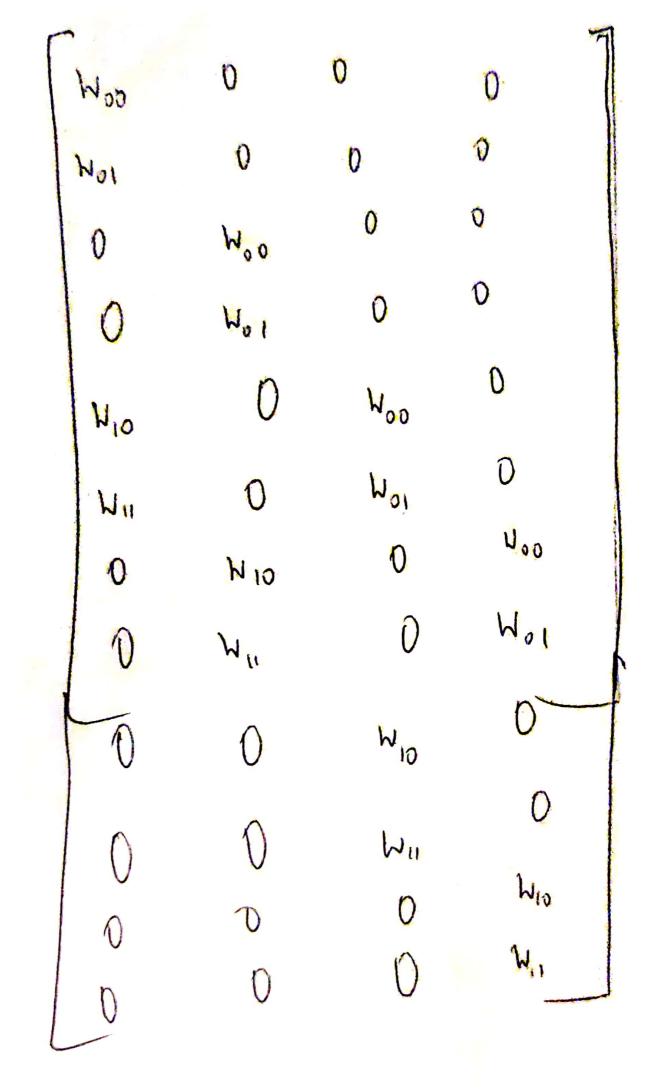
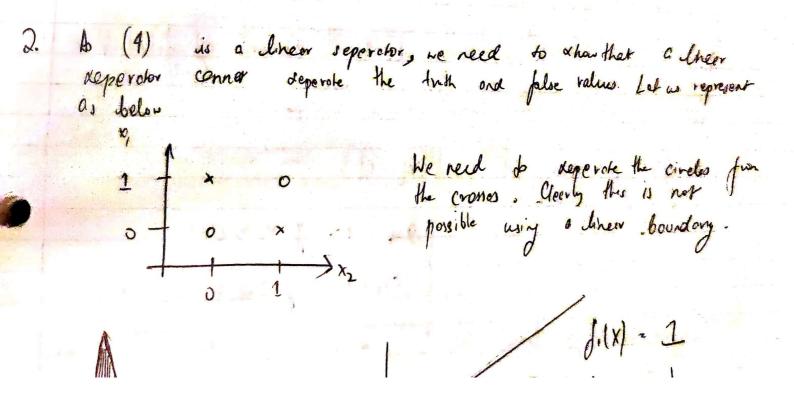
$A = \begin{bmatrix} \omega_{14} & \omega_{10} & 0 & \omega_{04} & \omega_{00} & 0 & 0 & 0 & 0 \\ 0 & \omega_{12} & \omega_{14} & 0 & \omega_{04} & \omega_{04} & 0 & 0 & 0 \\ \omega_{14} & \omega_{20} & 0 & \omega_{14} & \omega_{10} & 0 & \omega_{04} & \omega_{00} & 0 \\ 0 & \omega_{14} & \omega_{14} & 0 & \omega_{14} & \omega_{14} & 0 & \omega_{04} & \omega_{06} \\ 0 & 0 & 0 & \omega_{24} & \omega_{26} & 0 & \omega_{14} & \omega_{16} & 0 \\ 0 & 0 & 0 & 0 & \omega_{24} & \omega_{24} & 0 & \omega_{14} & \omega_{14} \end{bmatrix}$



(2) . Warro . [! !] bano . - 45

Wor . [! !] box . - 0.5



L W, 2 0 ... , - (x) = 2x-1 b x c Rd, f, (x) G Rd. Let fi be the ith element of f, (x) & ic U,2, d) fr. 12x'-11 when i is a superscript Let fo f, then fi 2xi-11 (-2xi+1 for otherwise Therefore in every dimension i, we can split he region into (0,0.5) and (0.5,1) for 0. (0,1) ... For every dimension, we have 2 regions and so we can map 2d regions onto O.

R. .. the input of g can come from ng exigion & the input of f can come from ny regions. To the input of fog , its input the input to f could have come from ny. Each of these inputs could have come from ny regions ... fog con believely replaying regions onto (0,1).

I long the previous port, we on deathat f(x) is basisty a composition of L functions of the form $(b_1)^{\alpha} - (a_1)^{\alpha}$.

i. h_2 can map $(2^d)(2^d) \dots 2^d$ thus