



Scanned with CamScanner

In the given world , if we discard the max operation/Layor, achoving XOR Funtions isn't possible. In order to allieve XOR we need to have non-linearity to worke the uon-lucar transform to a place where then we care de linear seperation. without the un linearity there is no way to transform [13 & 303 to \$ area and 11) & 303 to the social area such that those areas are seperatable by a (near line. This phenomena best shown visually: XX 2 0 no line lan + seperate the X X dots to one like of the line and the X's to the other size y you-lover h2 Ma nor linear transform like the max elayer as shown above 1 screenting cause the bots and X's to seperatable by a line as shown in the graph