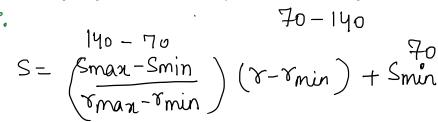
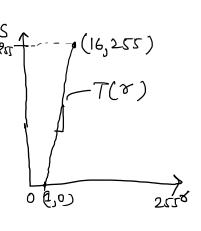
## Contrast Stretching

11 July 2022 09:28

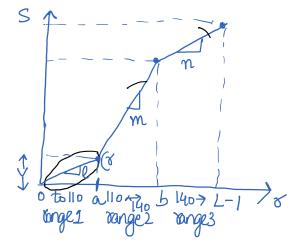
1.	A 3 x 3 8 bits/pixel image is given by				$(y_1, y_1)_{u_1 = u_1}$		
	7	12	8		A -	Chy O's	) y <sub>2</sub> —y <sub>1</sub>
	16	9	6	omin=1	man=16		21 - 14.
	10	15	1				012-14
	. 1					1 .	650 0553

Apply contrast stretch to the image so that the new image has a dynamic range of [0, 255]. Also show the output image. Sketch the transformation you used for contrast stretching.





> For piecewise contrast stretching



$$S = Dx \qquad 0 < x < a$$

$$S = (m) \cdot (x - a) + va < x < b$$

$$S = (m) \cdot (x - b) + w \quad b < x < l-1$$
for range 1

5 1407 L-1 > 8 = Smart - Smint ranges

snar - Smin) x (8-8min) + Smin) Jman, - Tmin)