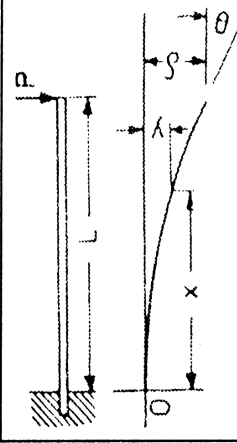
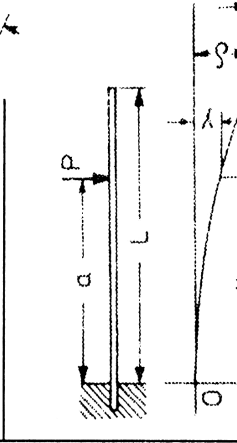
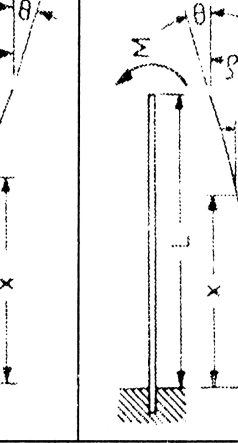
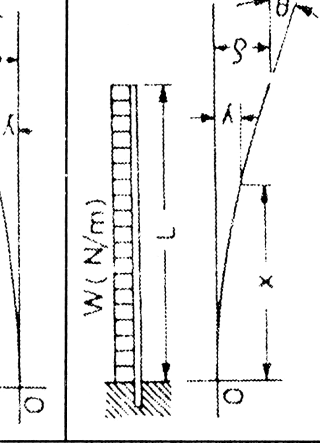
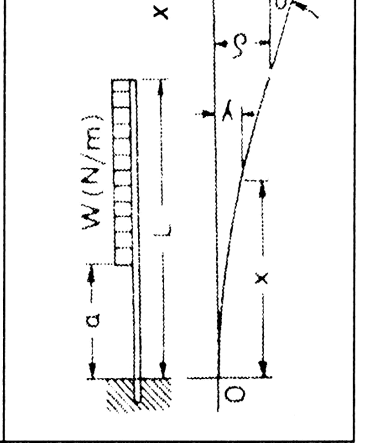
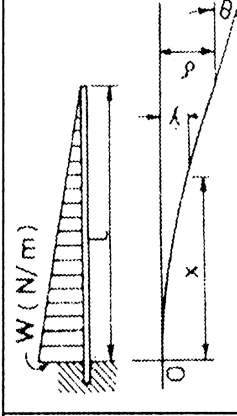
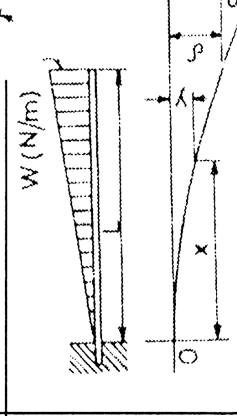
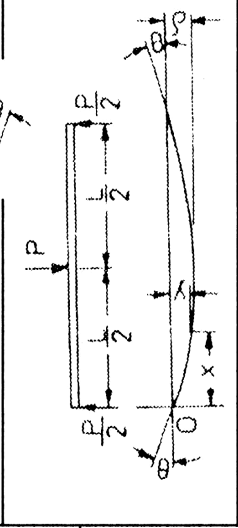
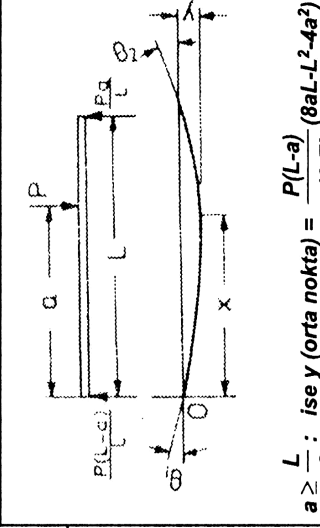
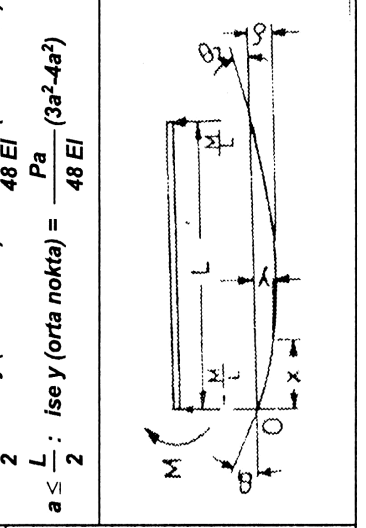


BAZI ORTAK KESİTLERİN ÖZELLİKLERİ

	$y = \frac{Px^2}{6EI} (3L-x)$ $\theta = \frac{PL^2}{2EI} \quad \delta = \frac{PL^3}{3EI}$
	$x \leq a \text{ ise } y = \frac{Px^2}{6EI} (3a-x)$ $x < a \text{ ise } y = \frac{Px^2}{6EI} (3a-x) + \frac{P}{6EI} (x-a)^3$ $\theta = \frac{Pa^2}{2EI} \quad \delta = \frac{Pa^2}{2EI} (3L-a)$
	$y = \frac{Mx^2}{2EI}$ $\theta = \frac{ML}{EI} \quad \delta = \frac{ML^2}{2EI}$
	$y = \frac{wx^2}{12EI} (x^2 + 6L^2 - 4Lx)$ $\theta = \frac{wL^3}{6EI} \quad \delta = \frac{wL^4}{8EI}$
	$y \leq a \text{ ise } y = \frac{w(L-a)x^2}{12EI} [3(L+a)2-x]$ $x > a \text{ ise } y = \frac{w(L-a)x^2}{12EI} [3(L+a)2-x] + \frac{w}{24EI} (x-a)^4$ $\theta = \frac{w}{6EI} (L^3 - a^3) \quad \delta = \frac{w}{24EI} (3L^4 - 4a^3L + a^4)$
	$y = \frac{w}{120EI} [(L-x)^5 + 5L^4x - L^5]$ $\theta = \frac{wL^3}{24EI} \quad \delta = \frac{wL^4}{30EI}$
	$y = \frac{wx^2}{120EI} (x^3 - 10L^2x + 20L^3)$ $\theta = \frac{wL^3}{8EI} \quad \delta = \frac{11wL^4}{120EI}$
	$x \leq \frac{L}{2} \text{ ise } y = \frac{P}{48EI} (3L^2x - 4x^3)$ $\theta = \frac{PL^2}{16EI} \quad \delta = \frac{PL^3}{48EI}$
	$x \leq a \text{ ise } y = \frac{P(L-a)x}{6EI} [a(2L-a) - x^2]$ $x > a \text{ ise } y = \frac{P(L-a)x}{6EI} [a(2L-a) - x^2] + \frac{P}{6EI} (x-a)^3$ $\theta_1 = \frac{Pa}{6EI} (L-a) (2L-a) \quad \theta_2 = \frac{Pa}{6EI} (L^2 - a^2)$ $a \geq \frac{L}{2} \text{ ise } y_3 = \frac{L}{2} = \frac{P(L-a)}{48EI} (8aL - L^2 - 4a^2)$ $a \leq \frac{L}{2} \text{ ise } y_x = \frac{L}{2} = \frac{Pa}{48EI} (3L^2 - 4a^2)$
	$y = \frac{Mx}{6EI} (L-x) (2L-x)$ $\theta_1 = \frac{ML}{3EI} \quad \theta_2 = \frac{ML}{6EI}$ $\delta = \frac{\sqrt{3}ML^2}{27EI} \quad y \text{ (orta nokta) } = \frac{ML^2}{16EI}$