Aufgabe	
a) ges	$u(\frac{\partial P}{\partial x})$, $\tau(\frac{\partial P}{\partial x})$
	$\frac{\partial^2 u}{\partial y^2} = \frac{1}{M} \frac{\partial P}{\partial X} \int y$
	$\frac{\partial U}{\partial y} = \frac{1}{M} \frac{\partial P}{\partial x} y + C_1 \qquad \int y$
	$U = \frac{1}{2M} \frac{\partial P}{\partial X} y^2 + C_1 y + C_2$
	oben : $UB = \frac{1}{2MB} \frac{\partial P}{\partial x} y^2 + C_1 y + C_2$
	TB = 3P y + MBC1
	$unten = uA = \frac{1}{2\mu A} \frac{\partial P}{\partial x} y^2 + C_3 y + C_4$
	$C_A = \frac{\partial P}{\partial x} y + M_A C_3$
	4 unbekannte — 4 Randbedingungen 8
	$u_{B}(b)=0$ $\longrightarrow \frac{1}{2}u_{B}\frac{\partial P}{\partial x}b^{2}+\frac{u_{A}c_{3}}{u_{B}}b+c_{2}=0$
	$U_A(-b) = 0$ $\longrightarrow \frac{1}{2MA} \frac{\partial P}{\partial x} b^2 + c_3(-b) + c_2 = 0$
	$U_{B}(0) = U_{A}(0)$ $C_{2} = C_{4}$ $T_{B}(0) = T_{A}(0)$ $M_{B}(1 = M_{A}C_{3} =) C_{1} = \frac{M_{A}C_{3}}{M_{B}}$
	<i>γ</i> ι δ
	$\mathfrak{O}-\mathfrak{O} \qquad \frac{3P}{3x}b^{2}\frac{1}{2}\left(\frac{1}{MB}-\frac{1}{MA}\right)+bC_{3}\left(\frac{MA}{MB}+1\right)=0$
	C3= $\frac{\partial P}{\partial X}$ $\frac{\partial P}{\partial X}$ $\frac{M_B - M_A}{(M_B + M_A)M_A}$
	in 3 einsetzen = $C_1 = \frac{\partial P}{\partial x} \frac{b}{z} \frac{M_B - M_A}{(M_B + M_A)M_B}$
	in \bigcirc einserzenz $C_2 = -\frac{1}{b^2} \frac{\partial P}{\partial x} \frac{1}{MstM_A} = C_4$
	3P
	$TAB = \frac{\partial P}{\partial x} y + \frac{\partial P}{\partial x} b \frac{M_B - M_A}{x}$

$$u_{8} = \frac{1}{2\mu_{8}} \frac{\partial P}{\partial Y} \left(y^{2} + b \frac{M_{8} - M_{A}}{M_{8} + M_{A}} y \right) - b^{2} \frac{\partial P}{\partial X} \frac{1}{M_{8} + M_{A}}$$

$$u_{A} > \frac{1}{2\mu_{A}} \frac{\partial P}{\partial X} \left(y^{2} + b \frac{M_{8} - M_{A}}{M_{8} + M_{A}} y \right) - b^{2} \frac{\partial P}{\partial X} \frac{1}{M_{8} + M_{A}}$$

$$b_{1} \quad u_{B} \quad u_{A}, \quad \tau_{AB}$$

$$t_{AB} = \frac{\partial P}{\partial X} y + \frac{\partial P}{\partial X} \frac{b}{2} \frac{M_{8} - M_{A}}{M_{8} + M_{A}}$$

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$$t_{AB} = \frac{\partial P}{\partial X} \frac{d}{d} \frac{d}{d}$$