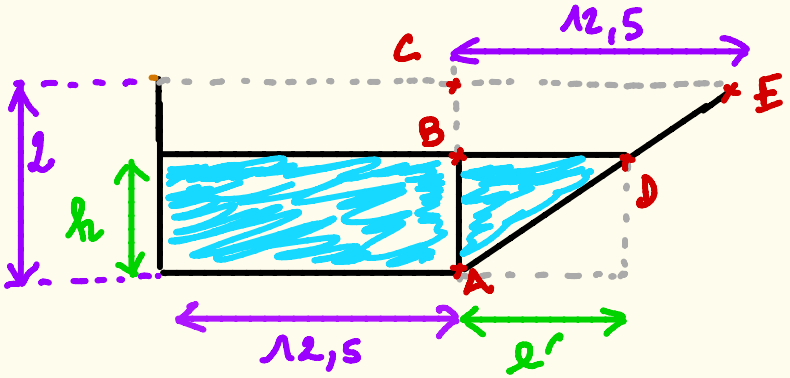
$$V_{max} = \frac{1200}{3} = 400\ m^3$$

$$\frac{AB}{AC} = \frac{BD}{CE} \iff \frac{h}{2} = \frac{l'}{12,5} \text{ donc } \boxed{l' = 12,5 \times \frac{h}{2}}$$



$$400 = (12 \times 12,5 \times h) + \frac{(12 \times l' \times h)}{2}$$

$$400 = 150h + 6 \times \left(\frac{h}{2} \times 12,5\right) \times h$$

$$37,5h^2 + 150h - 400 = 0$$

$$\Delta = 150^2 + 4 \times 37,5 \times 400 = 82500$$

$$h = \frac{-150 + \sqrt{82500}}{2 \times 37,5} \approx \boxed{1,8\ m}$$