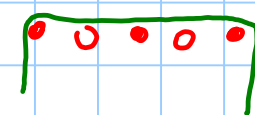
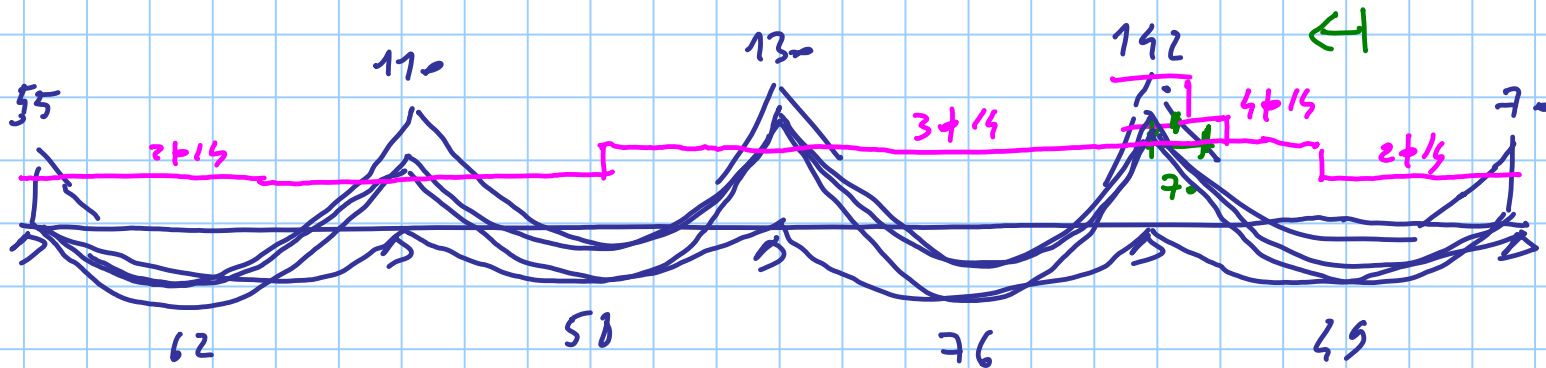


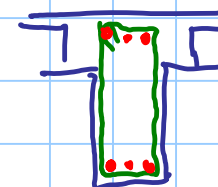
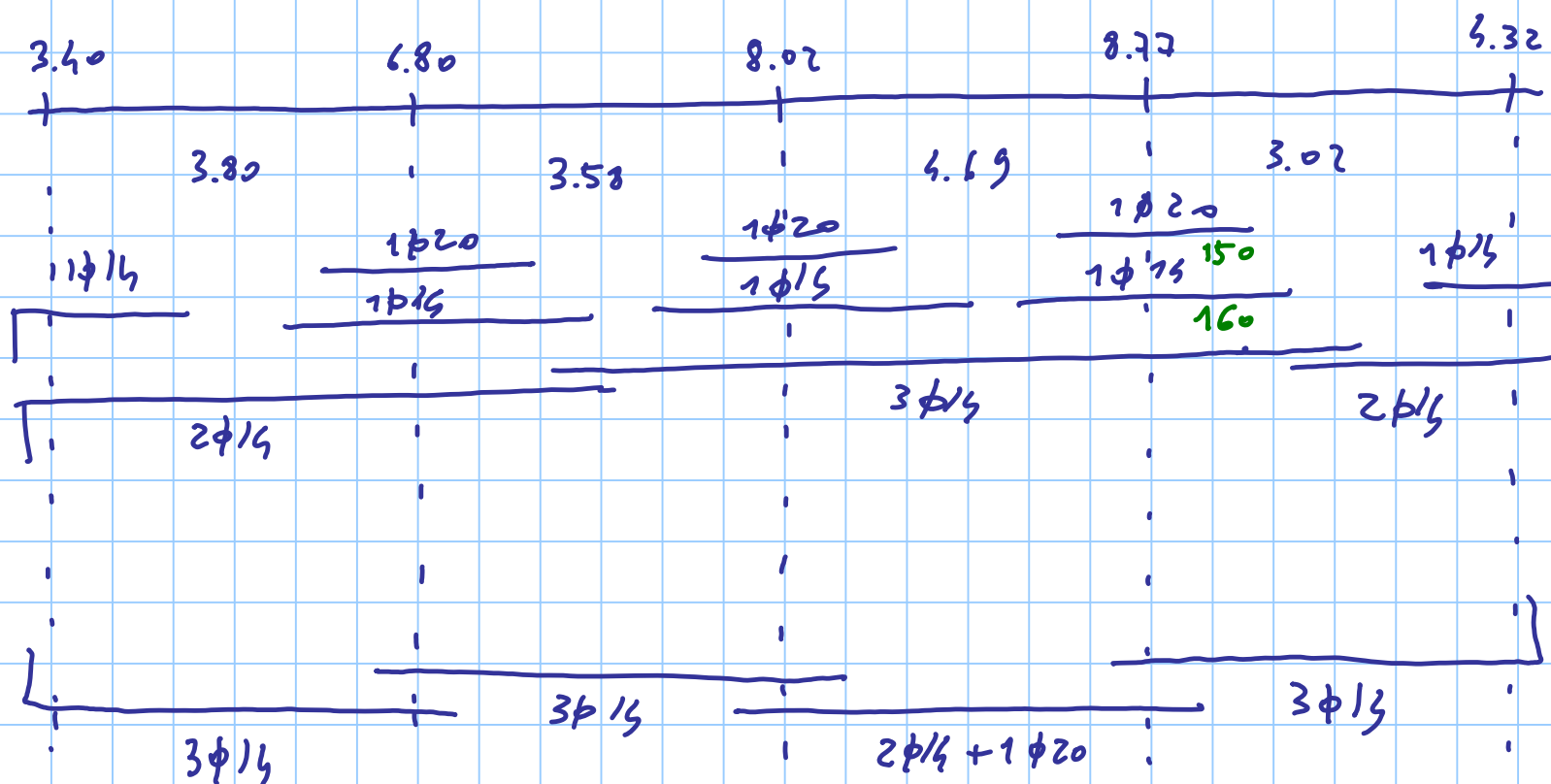
q is a
crystal
variable

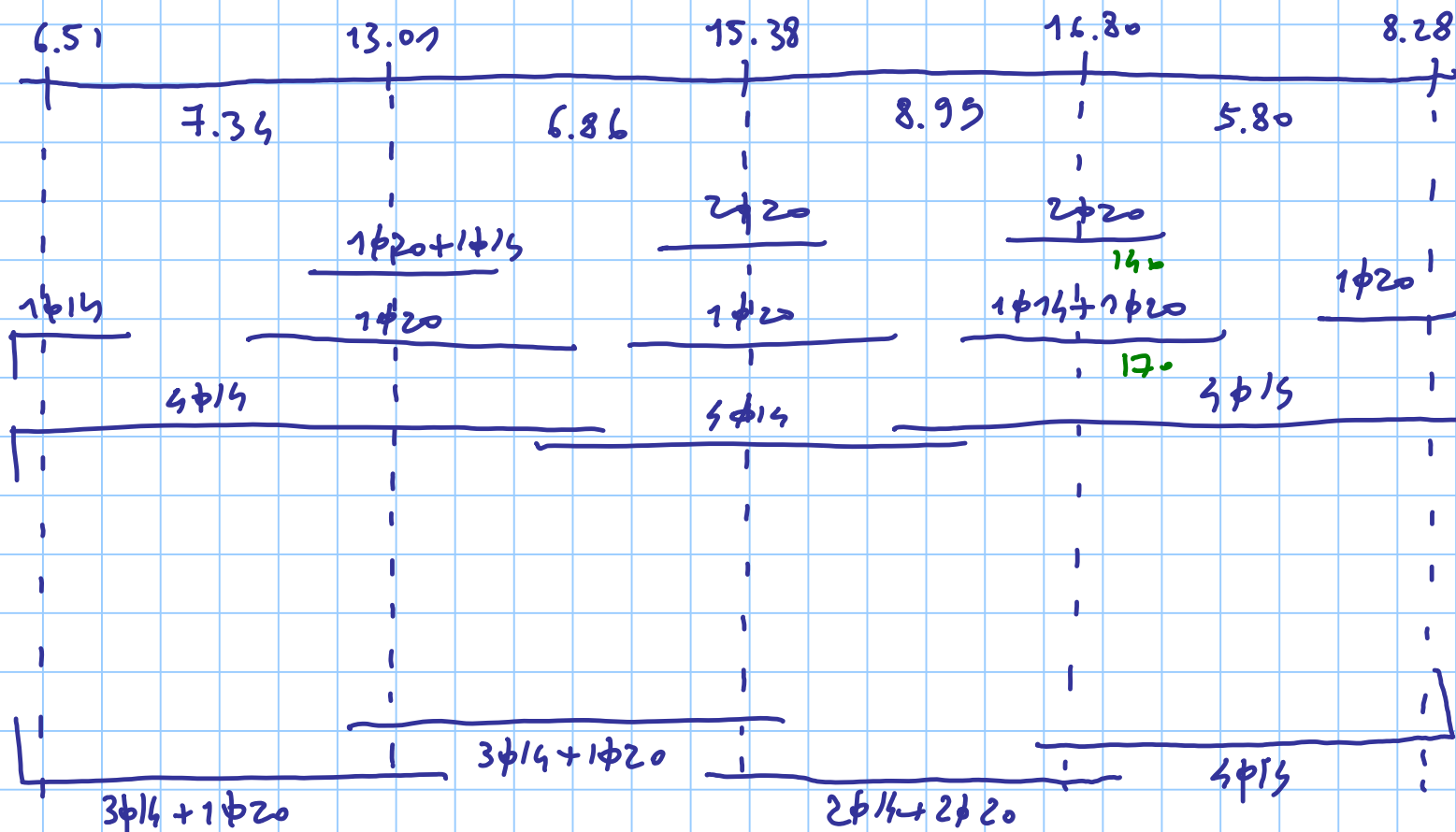
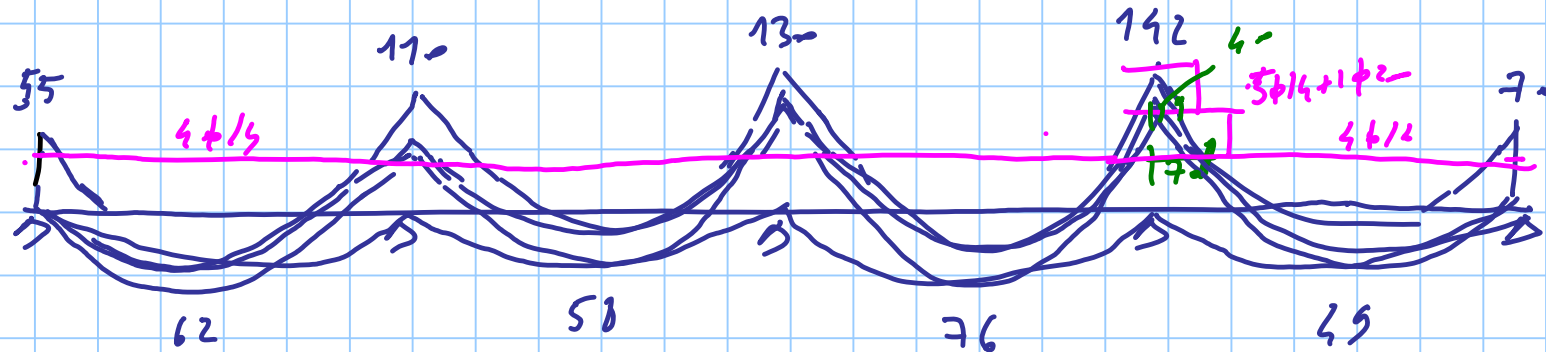


Travel
emergence

30 x 50

$$A_s = \frac{M}{0.5 d f_y}$$





have a span
 $h = 28 \text{ cm}$

longitudinal beam a symmetrical

$$M = \frac{b d^2}{12} \rightarrow b = \frac{M i^2}{d^2}$$

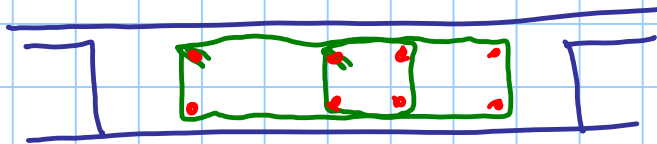
$$i^2 = 0.018$$

$$d = 24 \text{ cm}$$

$$b = \frac{142 \times 0.018^2}{0.24^2} = 0.80 \text{ m}$$

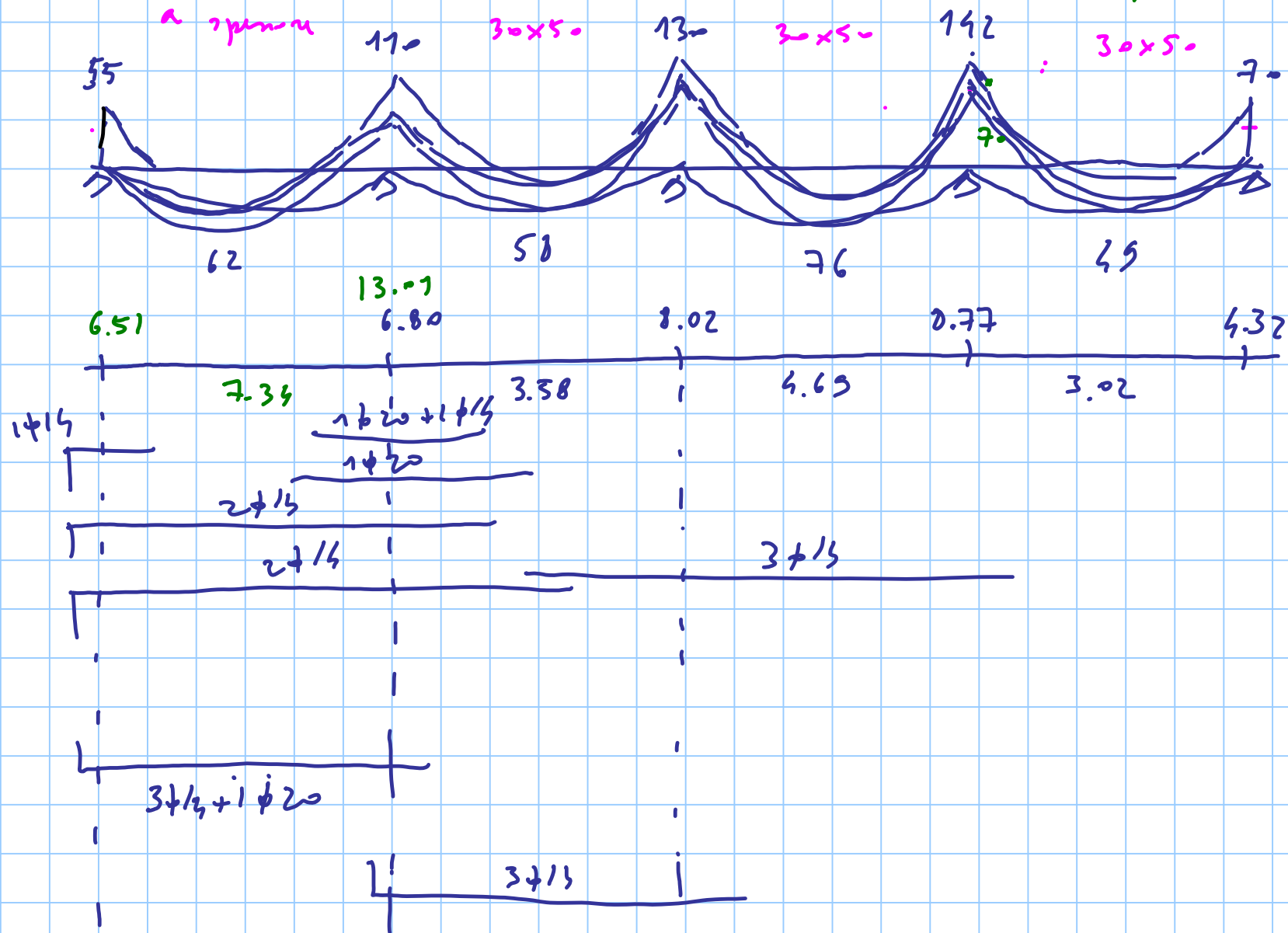
$$80 \text{ cm}$$

$$80 \times 28$$

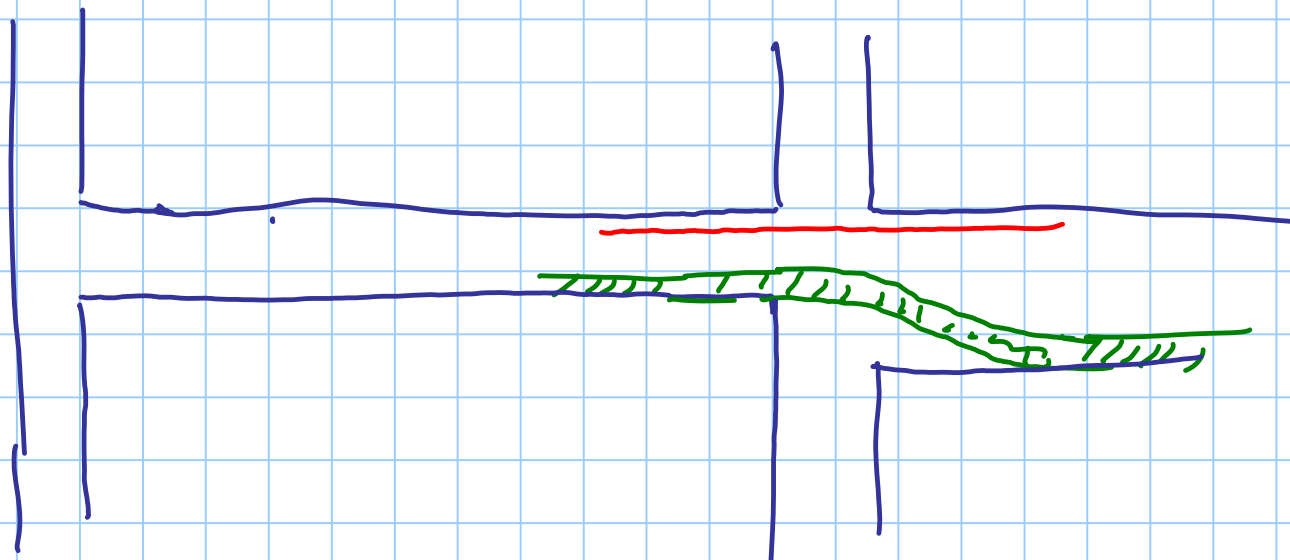


dopp: ~ 28

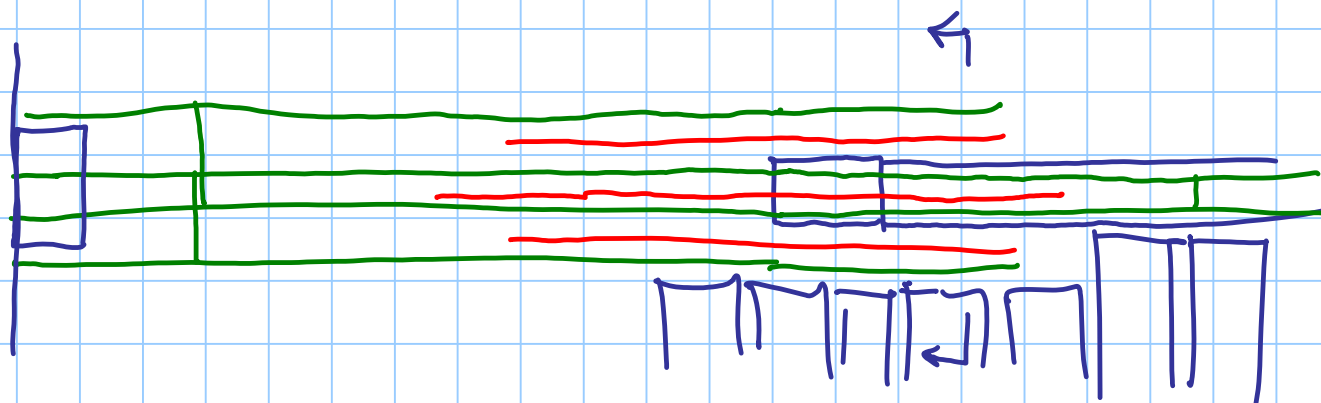
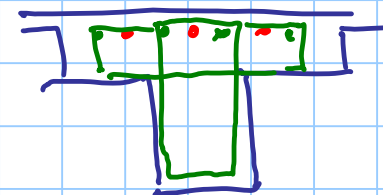
+ 80 +



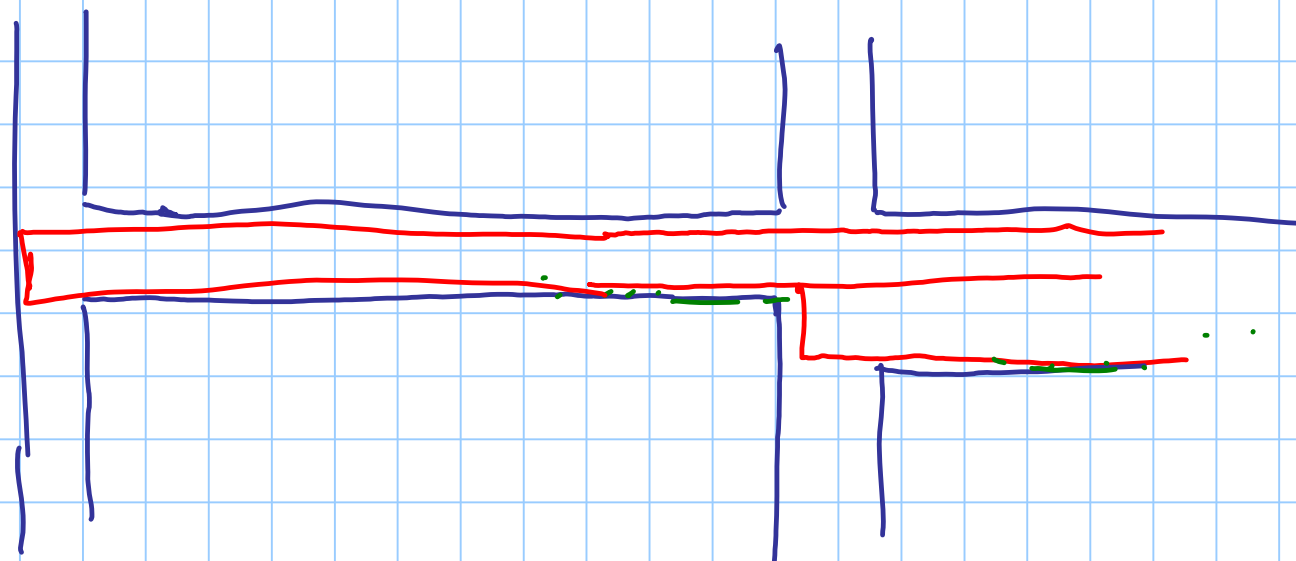
$h = 24$



3-x50



$h = 24$



3. x 5.