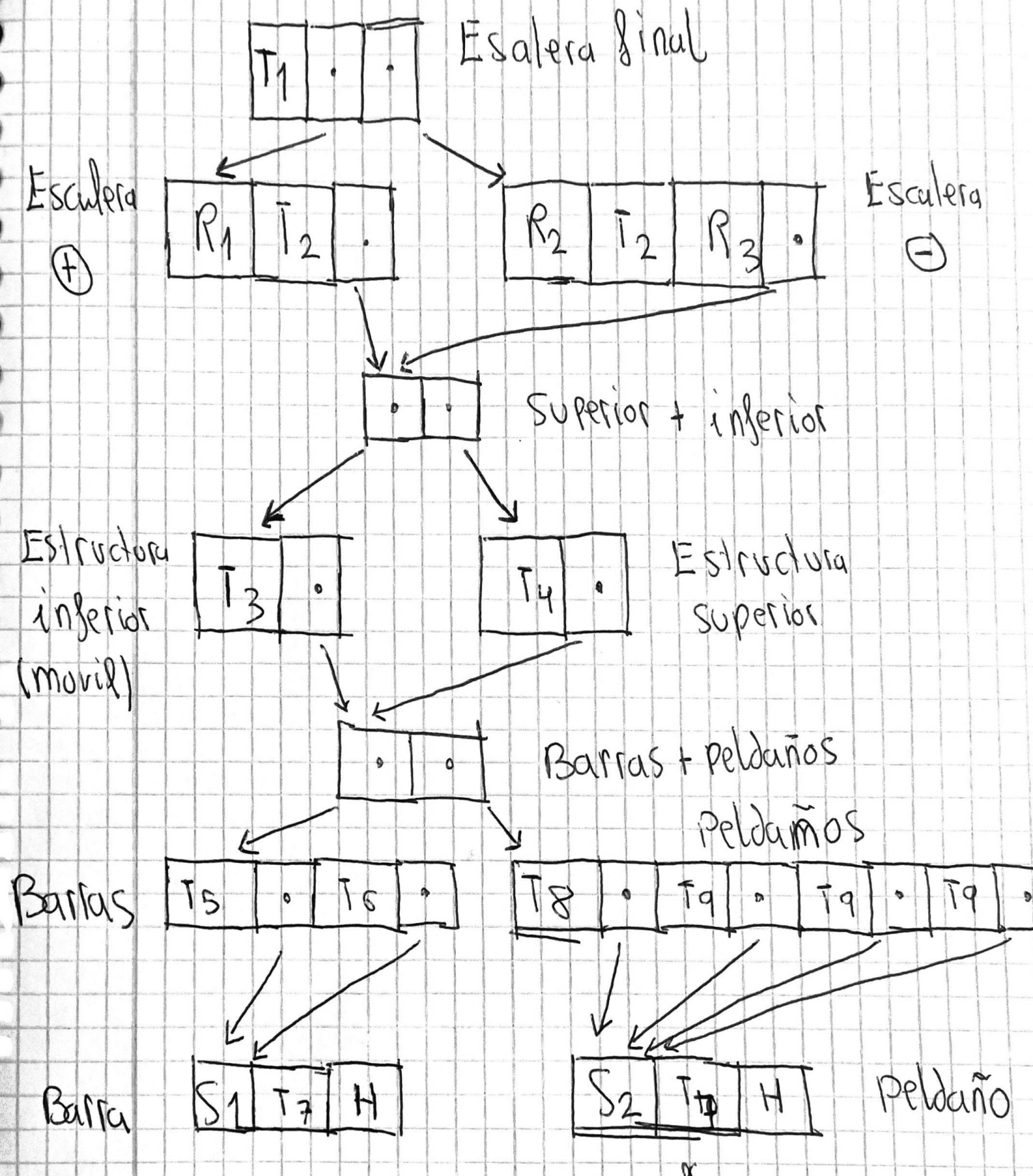


Grafo:



Transformaciones:

$$T_1 = \text{glTranslate}(-11'4, 10, -2'4)$$

$$R_1 = \text{glRotate}(45, 0, 0, 1)$$

$$T_2 = \text{glTranslate}(0, -8, 0)$$

$$R_2 = \text{glRotate}(\alpha, 0, 0, 1)$$

$$\alpha \in \mathbb{R} / -70 \leq \alpha \leq 40$$

} Ángulos arbitrarios para el modelo "real".

$$R_3 = \text{glRotate}(180, 0, 1, 0)$$

$$T_3 = \text{glTranslate}(0, Y, 0) \quad Y \in \mathbb{R} / -8 \leq Y \leq 0$$

$$T_4 = \text{glTranslate}(0'2, 0, 0)$$

$$T_5 = \text{glTranslate}(0, 0, -2'5)$$

$$T_6 = \text{glTranslate}(0, 0, 5)$$

$$S_1 = \text{glScalef}(0.2, 8, 0.2)$$

$$T_7 = \text{glTranslatef}(0, 5, 0)$$

$$T_8 = \text{glTranslatef}(0, 1, 0)$$

$$T_9 = \text{glTranslatef}(0, 2, 0)$$

$$S_2 = \text{glScalef}(0.2, 0.2, 5)$$