

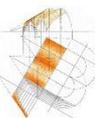
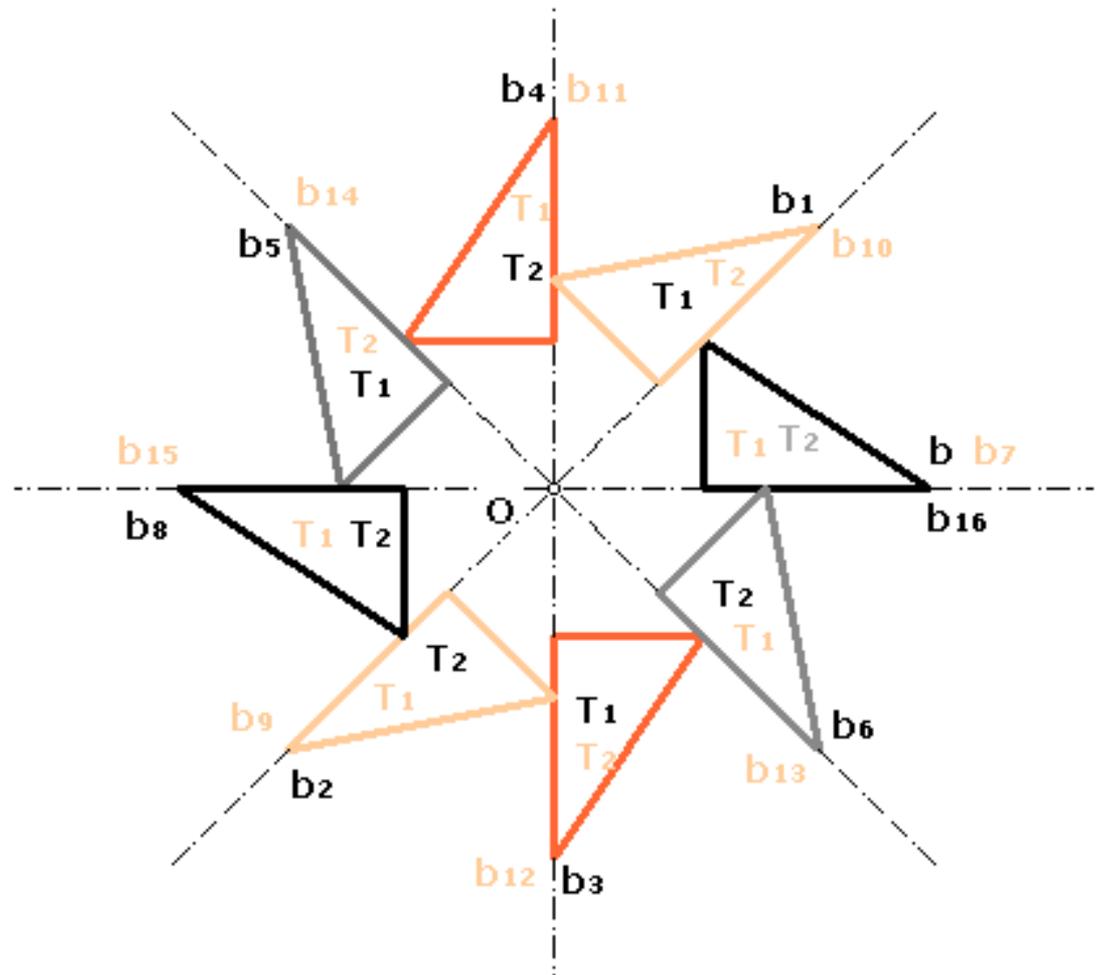


PRODUCTO DE TRANSFORMACIONES PUNTUALES:

$$T = (T_2 T_1)^n$$

$$T_1 = R(O, 45^\circ);$$

$$T_2 = R(O)$$



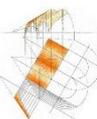
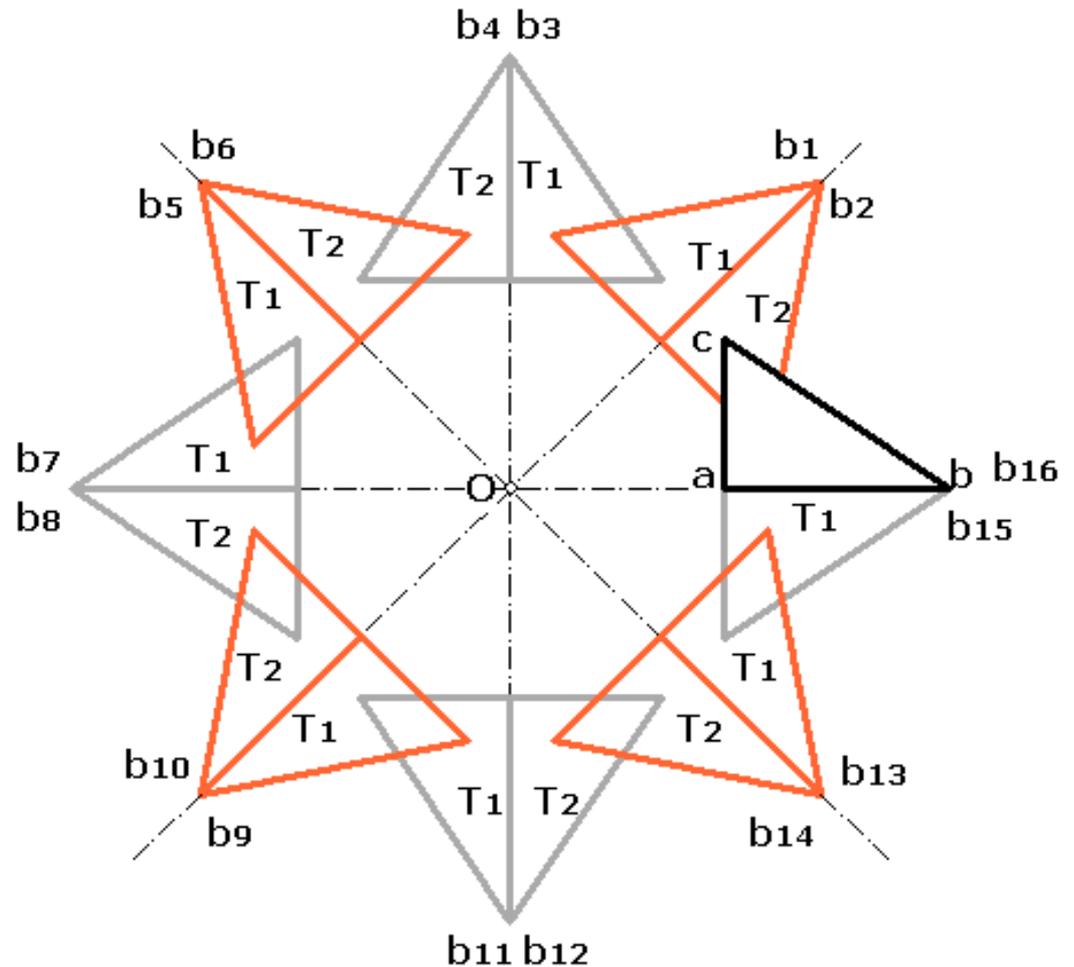


PRODUCTO DE TRANSFORMACIONES PUNTUALES:

$$T = (T_2 T_1)^n$$

$$T_1 = R(O, 45^\circ);$$

$$T_2 = R(a_i b_i)$$



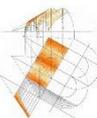
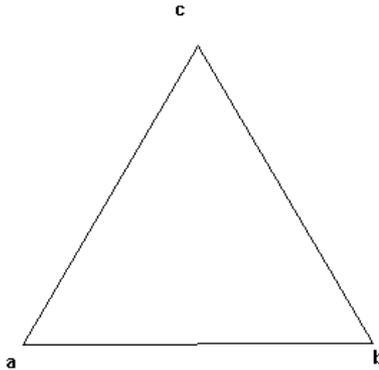


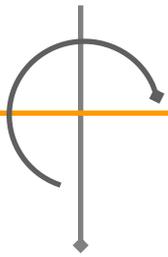
PRODUCTO DE TRANSFORMACIONES PUNTUALES:

$$T = (T_5 T_4 T_3 T_2 T_1)$$

$$T_1 = H(b_i c_i / 2, 0.5); T_2 = R(b_i, -120^\circ); T_3 = R(c_i); T_4 = H(a_i, -2); T_5 = T(a_i b_i / 2)$$

i = Subíndice de la última transformación.





Determinar el siguiente producto de Transformaciones.

3

$$T = (T_5 T_4 T_3 T_2 T_1)$$

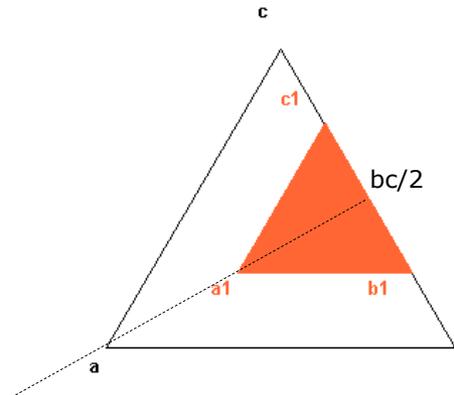
$$T_1 = H(b_i c_i / 2, 0.5);$$

$$T_2 = R(b_i, -120^\circ);$$

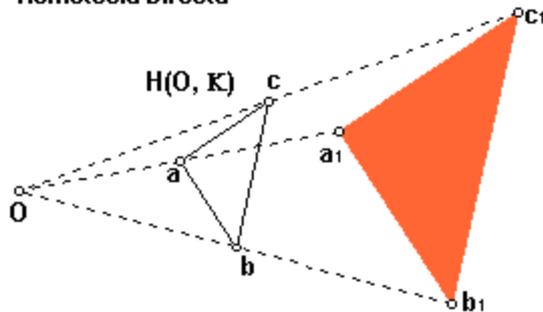
$$T_3 = R(c_i);$$

$$T_4 = H(a_i, -2);$$

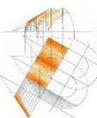
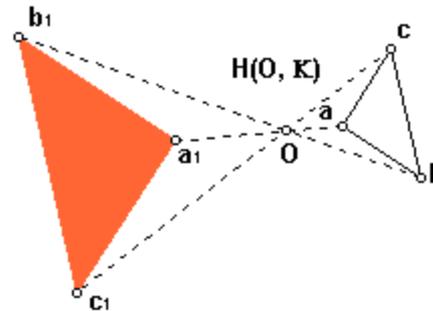
$$T_5 = T(a_i b_i / 2)$$

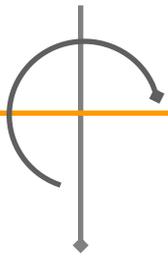


Homotecia Directa



Homotecia Inversa.





Determinar el siguiente producto de Transformaciones.

3

$$T = (T_5 T_4 T_3 T_2 T_1)$$

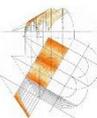
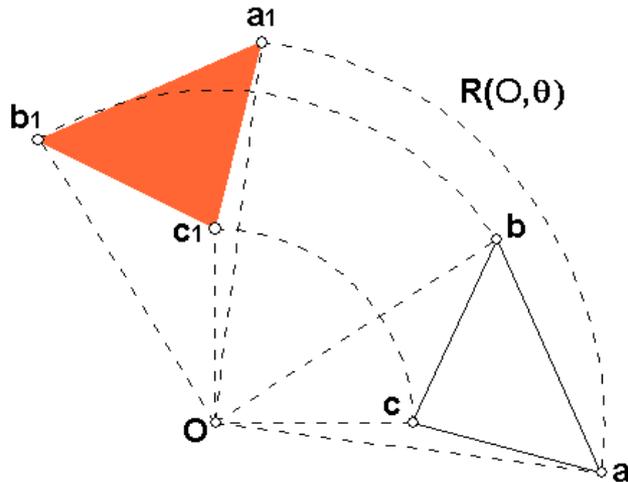
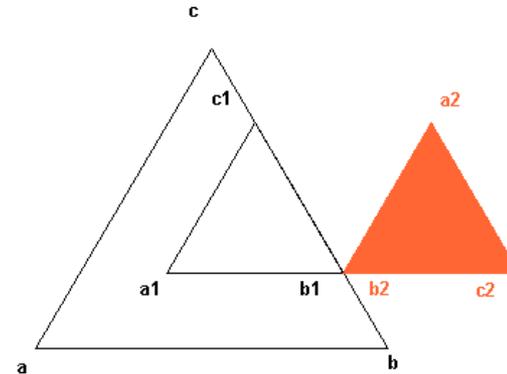
$$T_1 = H(b_i/2, 0.5);$$

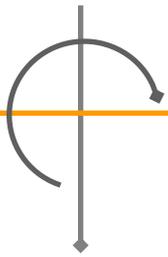
$$T_2 = R(b_i, -120^\circ);$$

$$T_3 = R(c_i);$$

$$T_4 = H(a_i, -2);$$

$$T_5 = T(a_i b_i / 2)$$





Determinar el siguiente producto de Transformaciones.

³

$$T = (T_5 T_4 T_3 T_2 T_1)$$

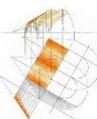
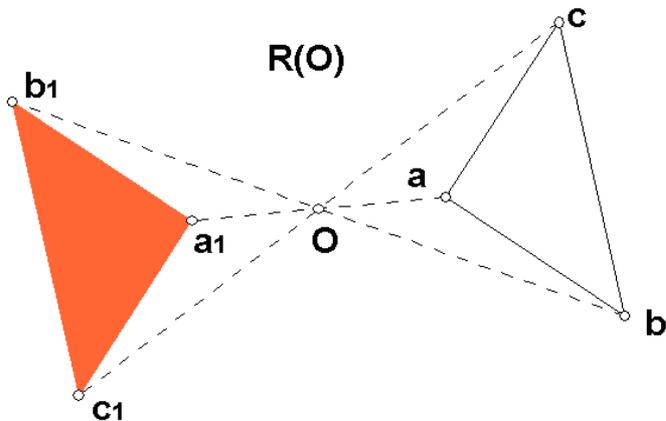
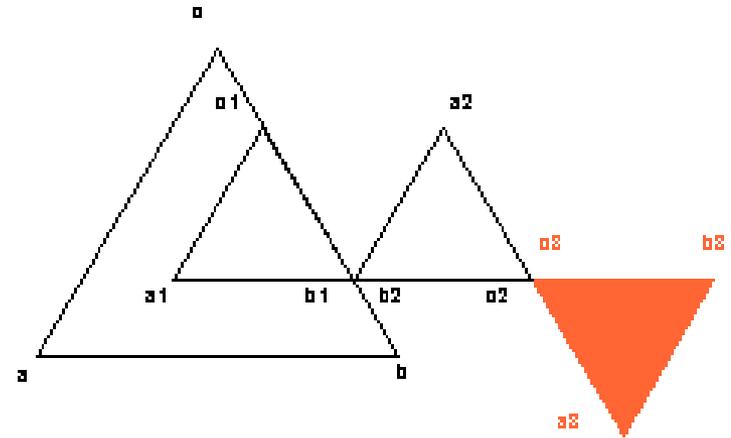
$$T_1 = H(b_i/2, 0.5);$$

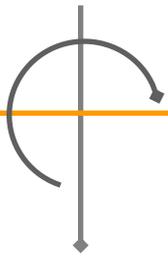
$$T_2 = R(b_i, -120^\circ);$$

$$T_3 = R(c_i);$$

$$T_4 = H(a_i, -2);$$

$$T_5 = T(a_i b_i / 2)$$





Determinar el siguiente producto de Transformaciones.

3

$$T = (T_5 T_4 T_3 T_2 T_1)$$

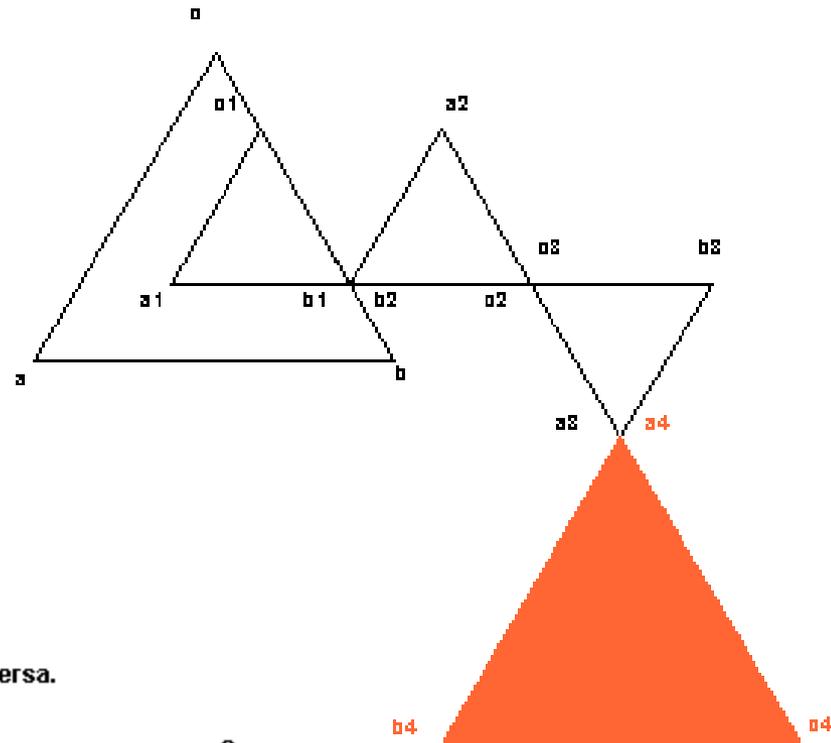
$$T_1 = H(b_i/2, 0.5);$$

$$T_2 = R(b_i, -120^\circ);$$

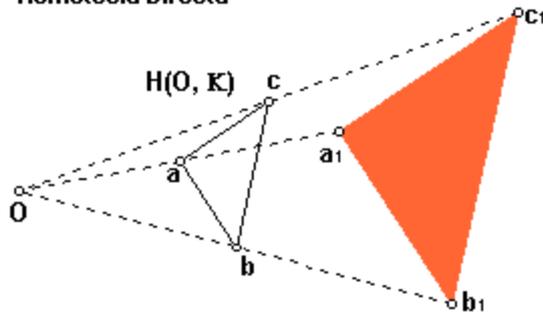
$$T_3 = R(c_i);$$

$$T_4 = H(a_i, -2);$$

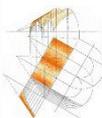
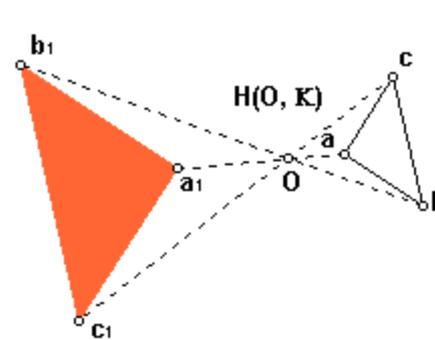
$$T_5 = T(a_i b_i/2)$$

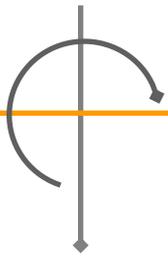


Homotecia Directa



Homotecia Inversa.





Determinar el siguiente producto de Transformaciones.

3

$$T = (T_5 T_4 T_3 T_2 T_1)$$

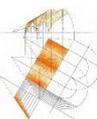
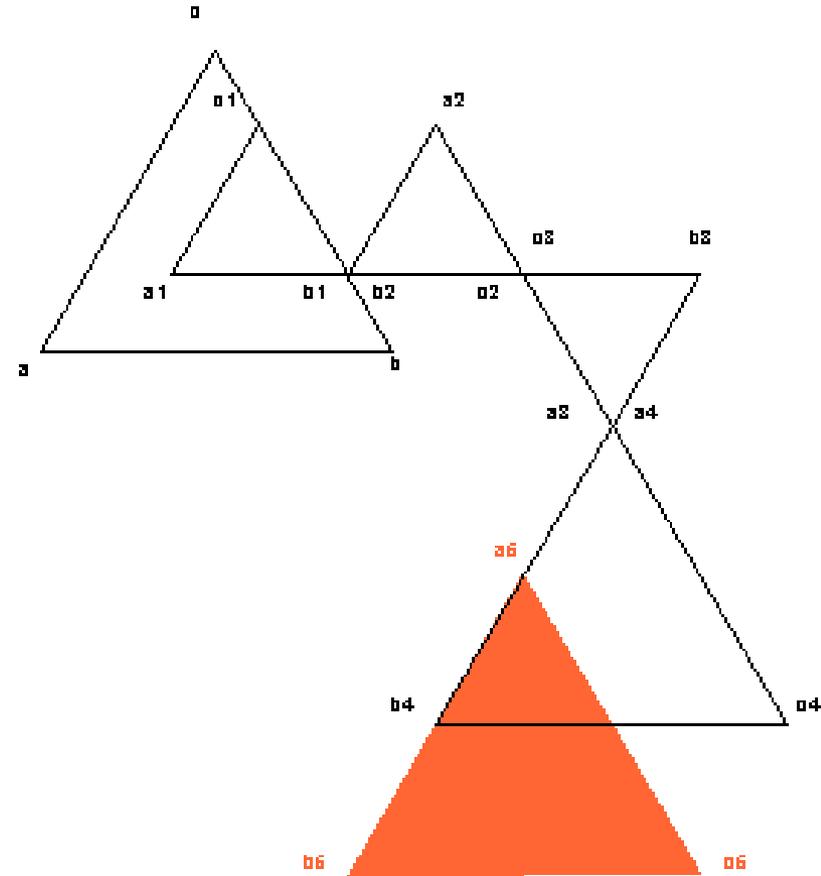
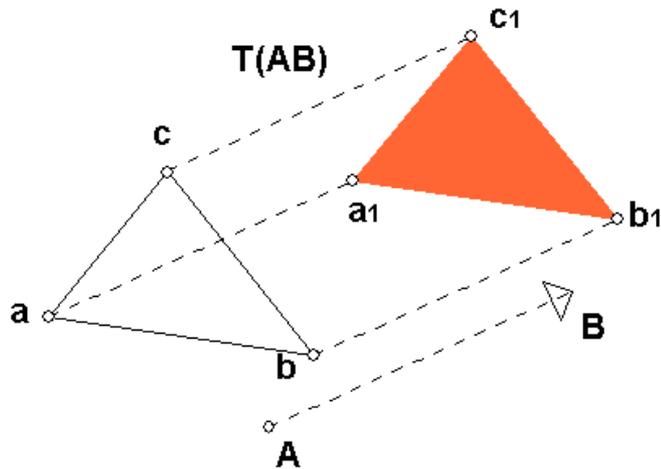
$$T_1 = H(b_{ci}/2, 0.5);$$

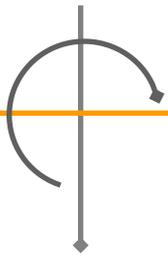
$$T_2 = R(b_i, -120^\circ);$$

$$T_3 = R(c_i);$$

$$T_4 = H(a_i, -2);$$

$$T_5 = T(a_{ibi}/2)$$





Determinar el siguiente producto de Transformaciones.

3

$$T = (T_5 T_4 T_3 T_2 T_1)$$

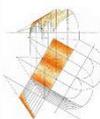
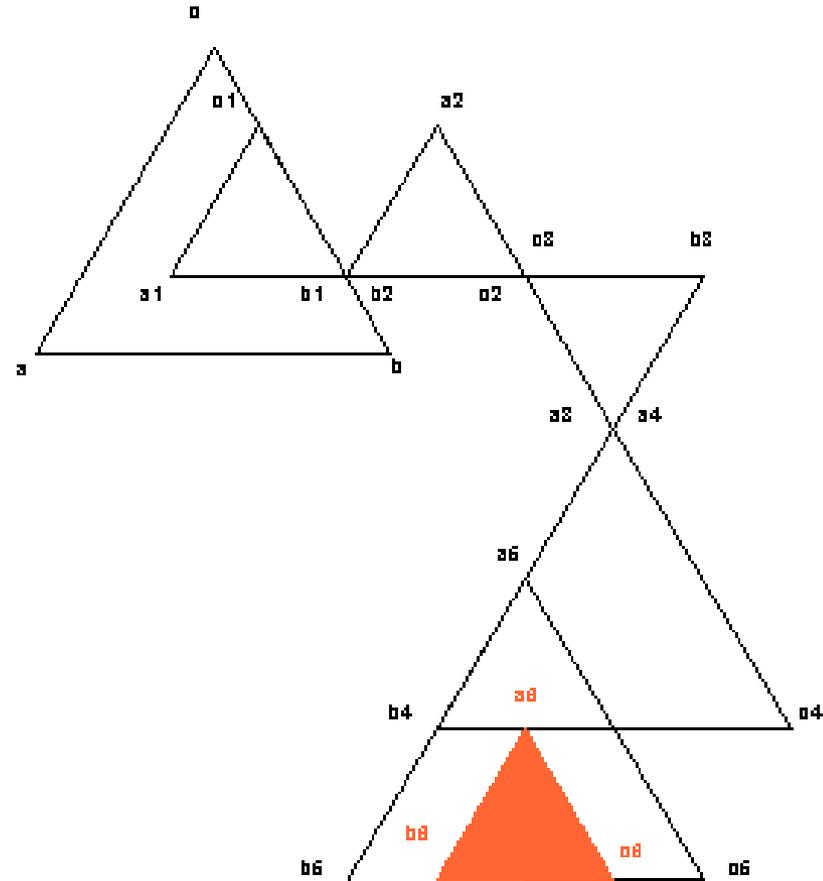
$$T_1 = H(b_i/2, 0.5);$$

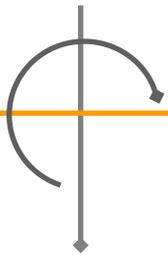
$$T_2 = R(b_i, -120^\circ);$$

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$$T_4 = H(a_i, -2);$$

$$T_5 = T(a_i b_i/2)$$





Determinar el siguiente producto de Transformaciones.

3

$$T = (T_5 T_4 T_3 T_2 T_1)$$

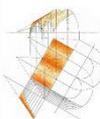
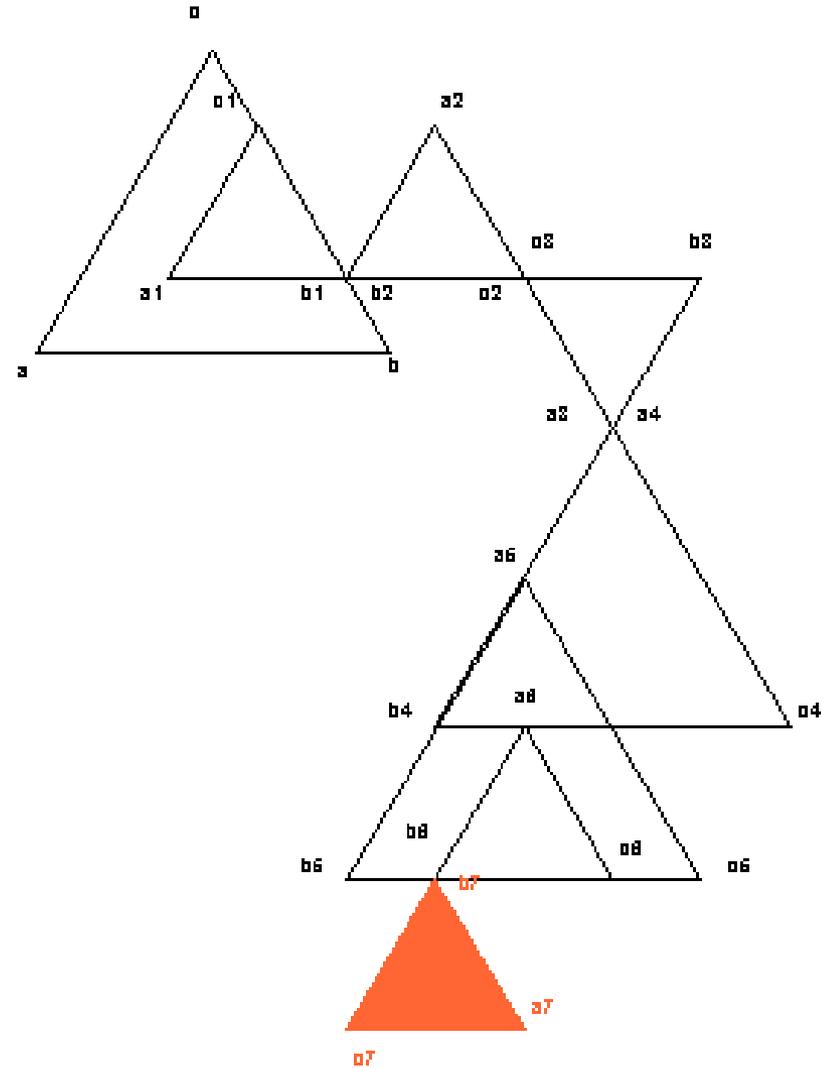
$$T_1 = H(b_i/2, 0.5);$$

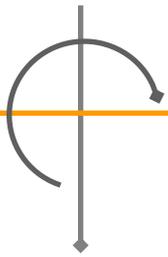
$$T_2 = R(b_i, -120^\circ);$$

$$T_3 = R(c_i);$$

$$T_4 = H(a_i, -2);$$

$$T_5 = T(a_i b_i / 2)$$





Determinar el siguiente producto de Transformaciones.

3

$$T = (T_5 T_4 T_3 T_2 T_1)$$

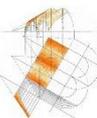
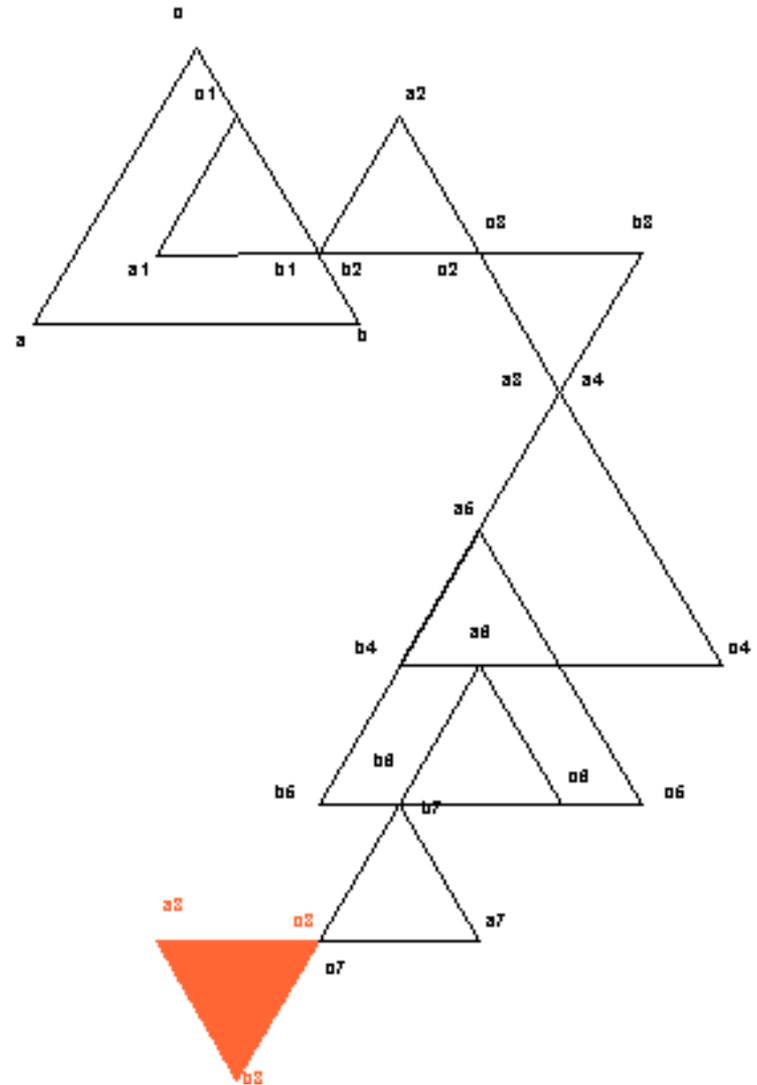
$$T_1 = H(b_i/2, 0.5);$$

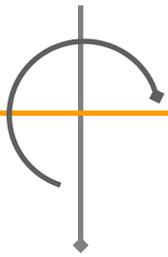
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Determinar el siguiente producto de Transformaciones.

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$$T = (T_5 T_4 T_3 T_2 T_1)$$

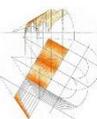
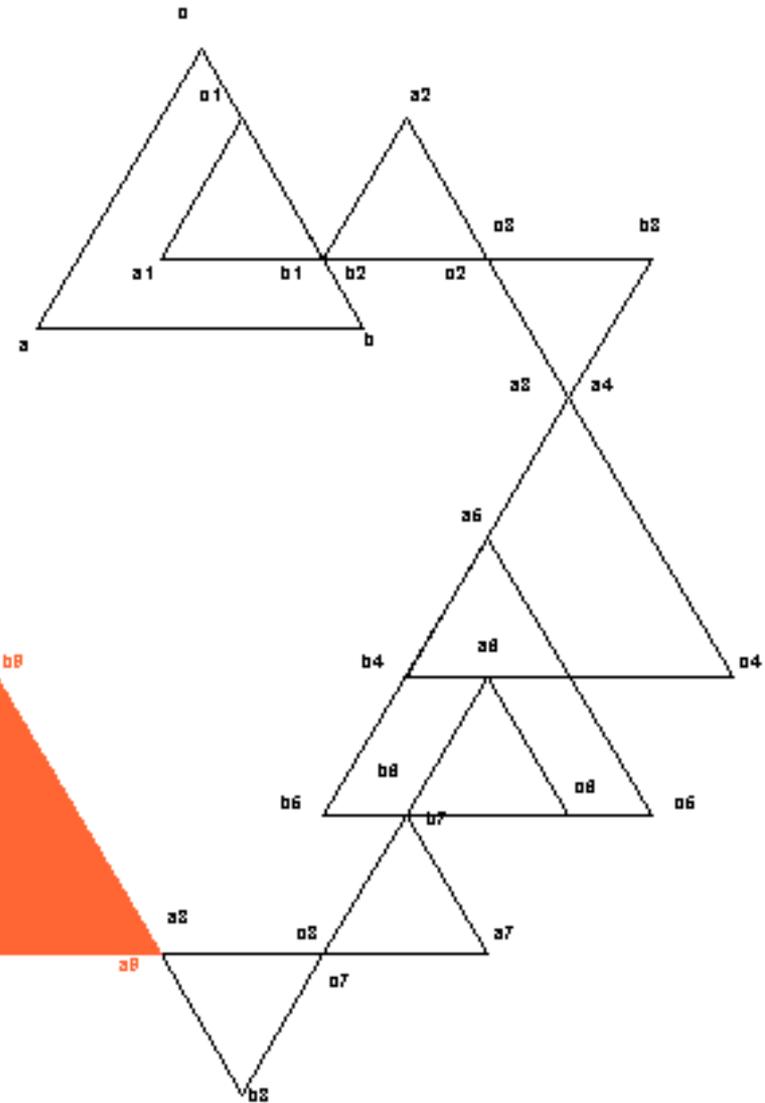
$$T_1 = H(b_i/2, 0.5);$$

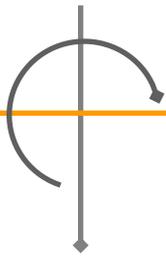
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Determinar el siguiente producto de Transformaciones.

3

$$T = (T_5 T_4 T_3 T_2 T_1)$$

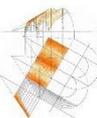
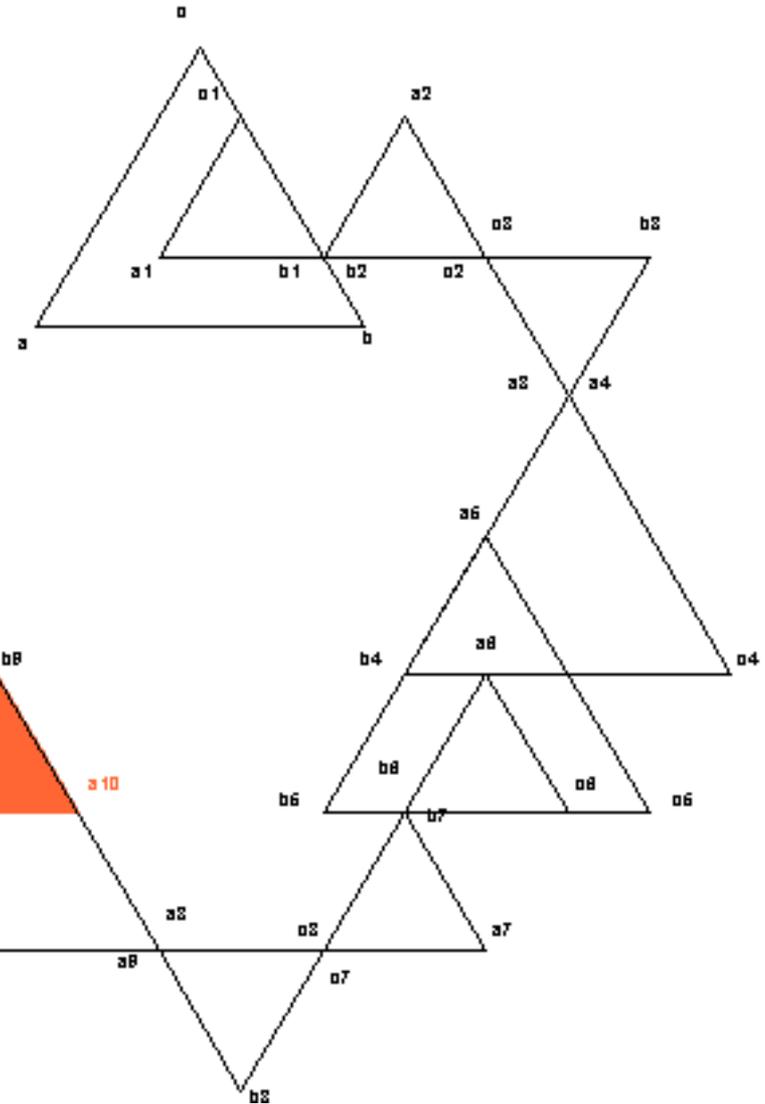
$$T_1 = H(b_i/2, 0.5);$$

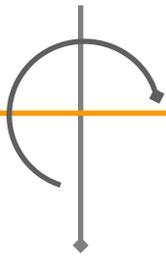
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Determinar el siguiente producto de Transformaciones.

3

$$T = (T_5 T_4 T_3 T_2 T_1)$$

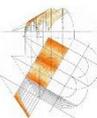
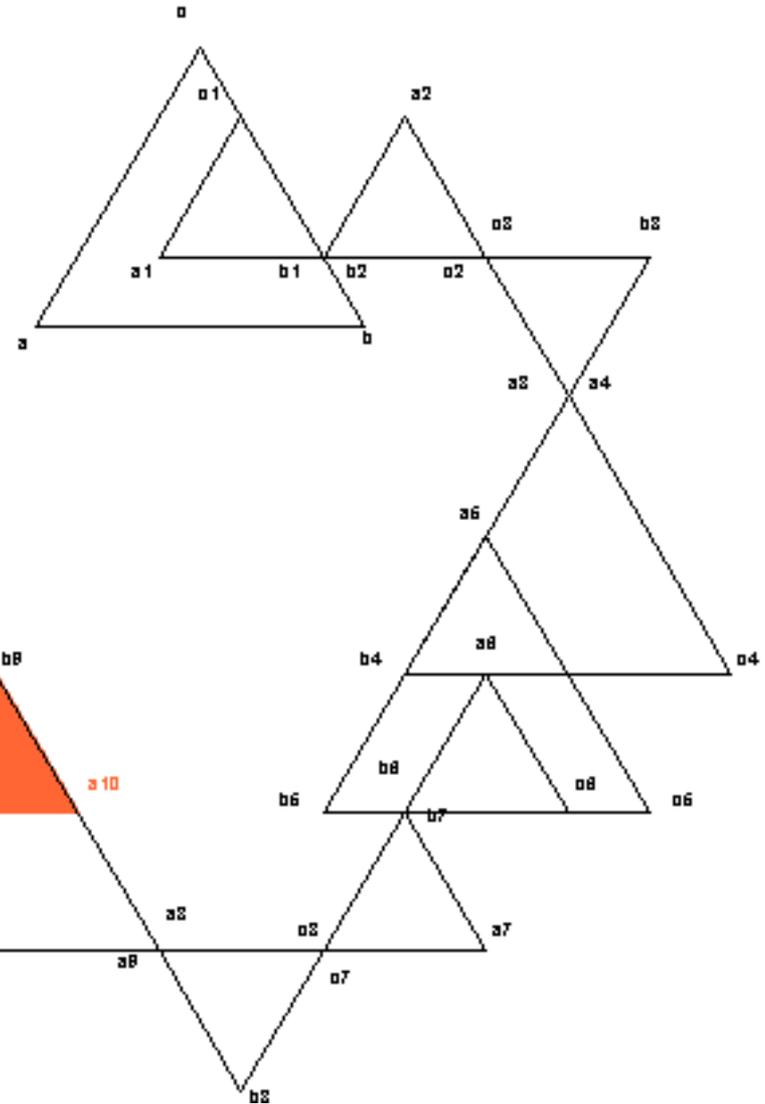
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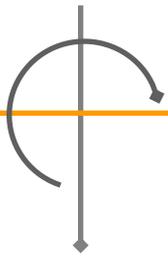
$$T_2 = R(b_i, -120^\circ);$$

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$$T_4 = H(a_i, -2);$$

$$T_5 = T(a_i b_i/2)$$





Determinar el siguiente producto de Transformaciones.

3

$$T = (T_5 T_4 T_3 T_2 T_1)$$

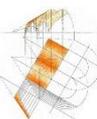
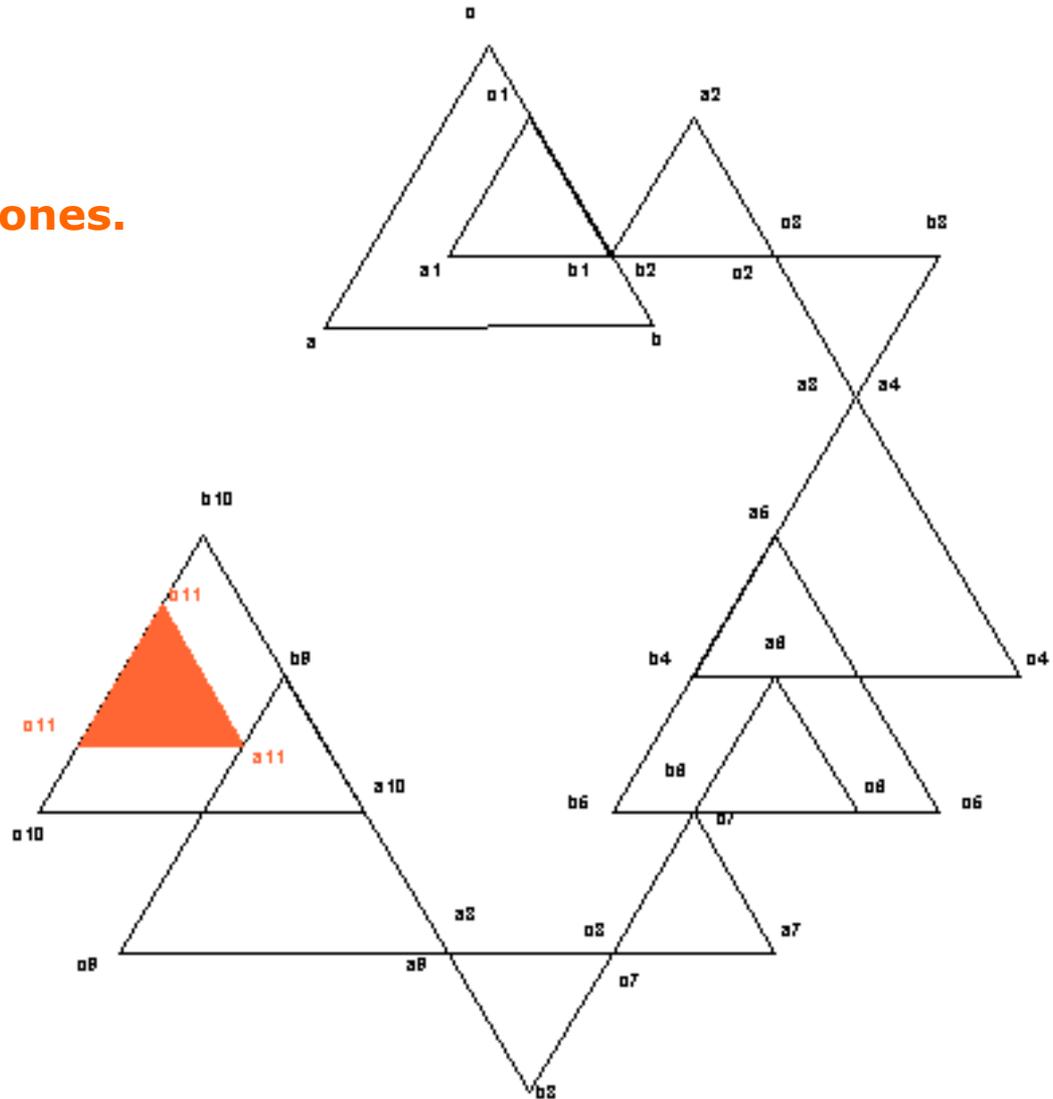
$$T_1 = H(b_{ci}/2, 0.5);$$

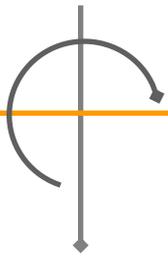
$$T_2 = R(b_i, -120^\circ);$$

$$T_3 = R(c_i);$$

$$T_4 = H(a_i, -2);$$

$$T_5 = T(a_{ib}/2)$$





Determinar el siguiente producto de Transformaciones.

3

$$T = (T_5 T_4 T_3 T_2 T_1)$$

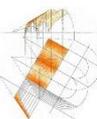
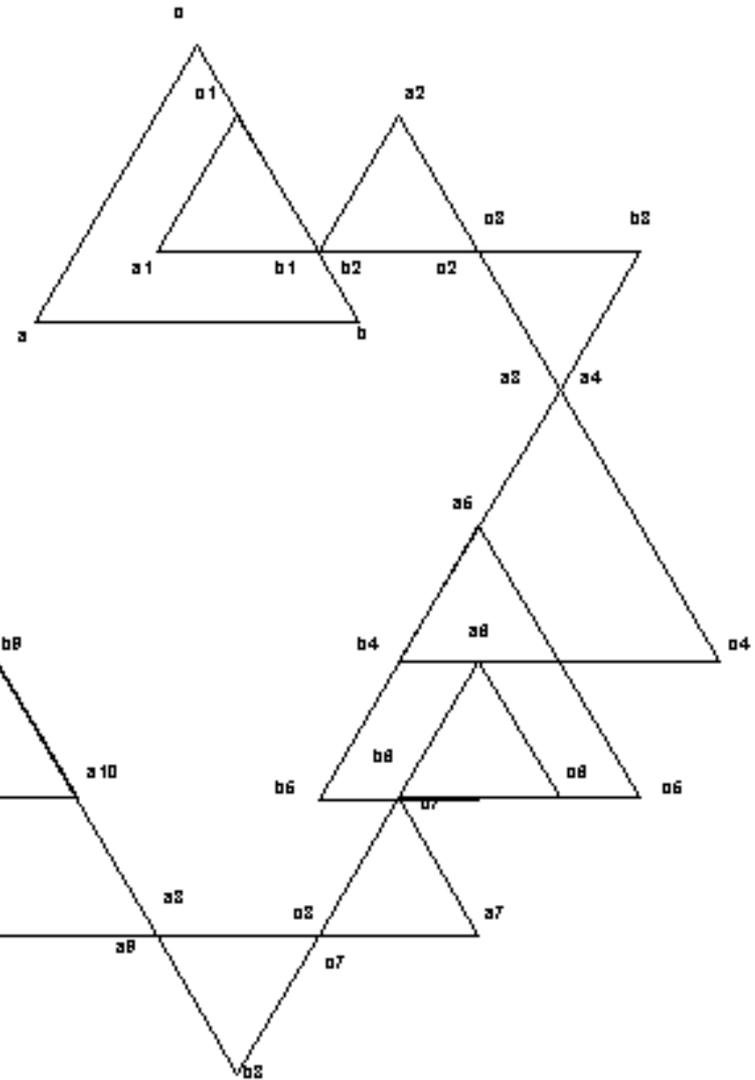
$$T_1 = H(b_{ci}/2, 0.5);$$

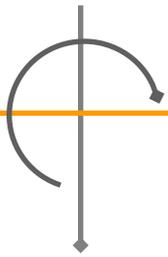
$$T_2 = R(b_i, -120^\circ);$$

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$$T_4 = H(a_i, -2);$$

$$T_5 = T(a_{bi}/2)$$

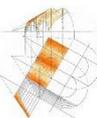
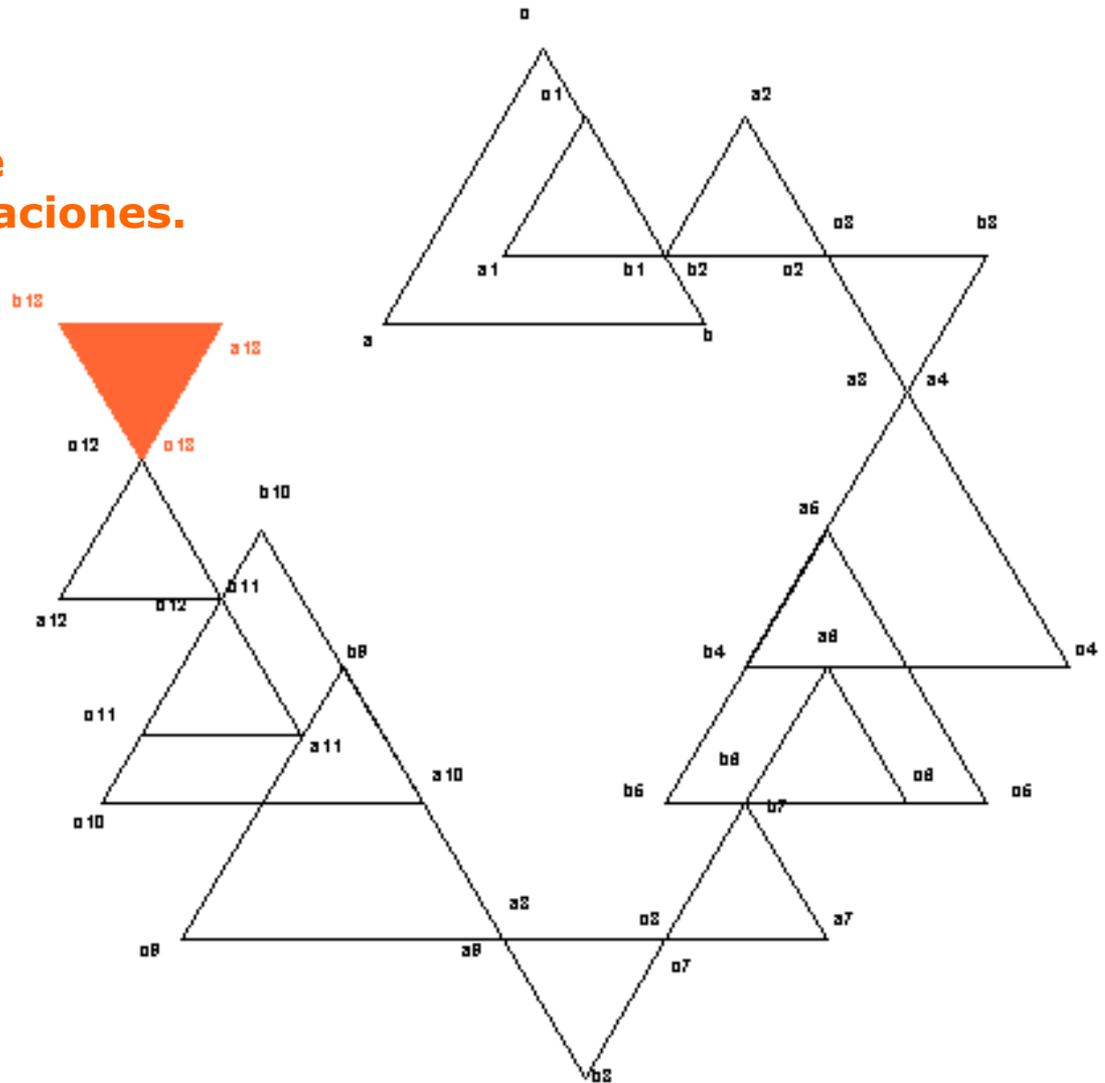


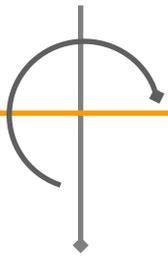


Determinar el siguiente producto de Transformaciones.

3

$T = (T_5 T_4 T_3 T_2 T_1)$
 $T_1 = H(b_{ici}/2, 0.5);$
 $T_2 = R(b_i, -120^\circ);$
 $T_3 = R(c_i);$
 $T_4 = H(a_i, -2);$
 $T_5 = T(a_{ibi}/2)$





Determinar el siguiente producto de Transformaciones.

3

$$T = (T_5 T_4 T_3 T_2 T_1)$$

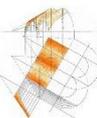
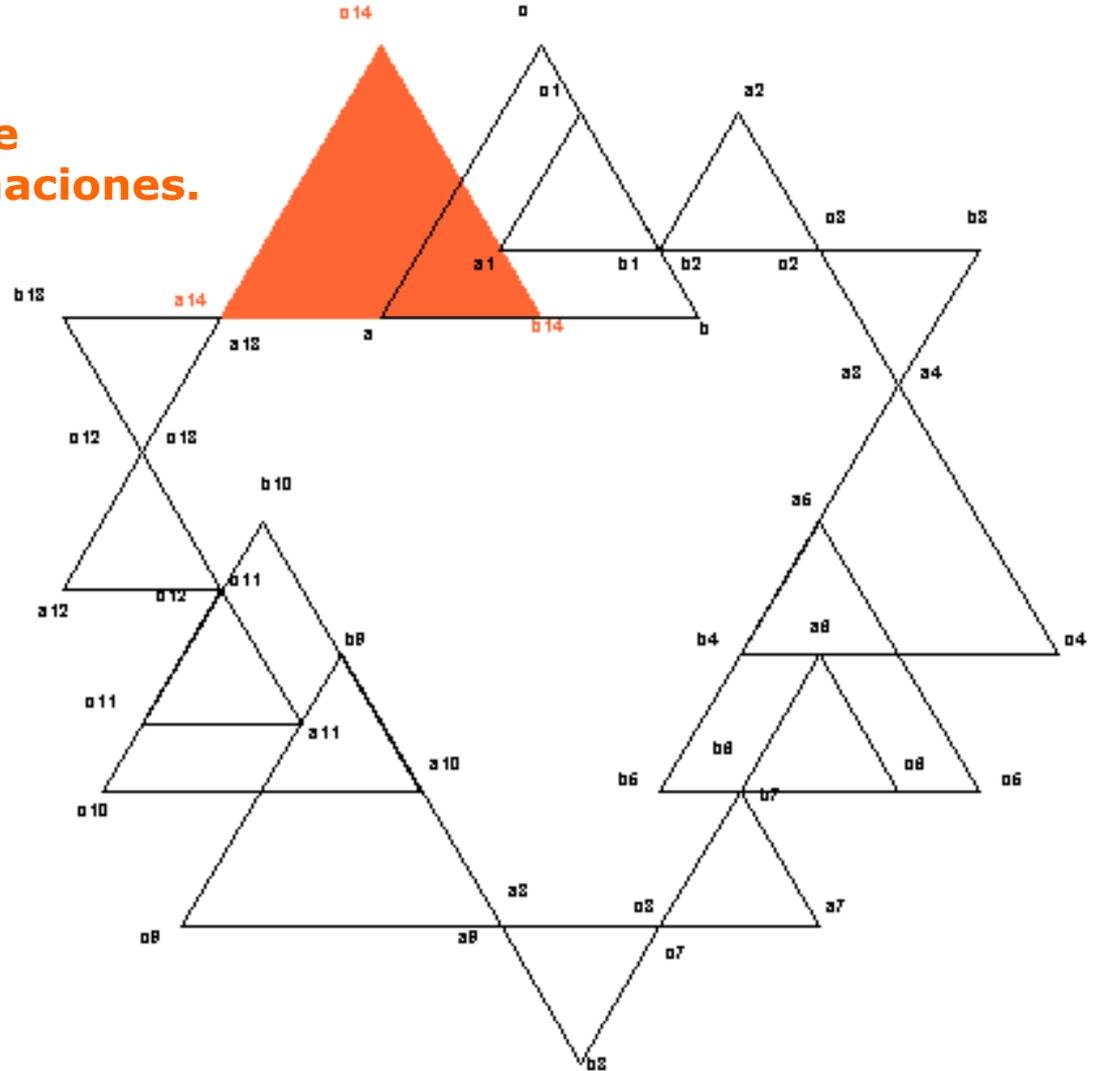
$$T_1 = H(b_{i/2}, 0.5);$$

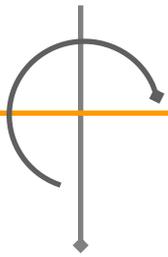
$$T_2 = R(b_i, -120^\circ);$$

$$T_3 = R(c_i);$$

$$T_4 = H(a_i, -2);$$

$$T_5 = T(a_{i/2})$$





GEOMETRÍA

::: 1º CICLO: Teoría de las Transformaciones.

Determinar el siguiente producto de Transformaciones.

3

$$T = (T_5 T_4 T_3 T_2 T_1)$$

$$T_1 = H(b_{ici}/2, 0.5);$$

$$T_2 = R(b_i, -120^\circ);$$

$$T_3 = R(c_i);$$

$$T_4 = H(a_i, -2);$$

$$T_5 = T(a_{ibi}/2)$$

