

Figure 26.33: The five step process for determining elation point  $h(M) = M'$  when  $M$  is on the line  $\langle A, A' \rangle$ . Steps 1 through 3 determine the line  $\langle B, B' \rangle$ . Step 4 finds the intersection between  $\langle M, B \rangle$  and  $\Delta$ , namely  $J$ . Step 5 forms the line  $\langle J, B' \rangle$  and intersects it with  $\langle A, A' \rangle$ . The intersection point is  $M'$ .

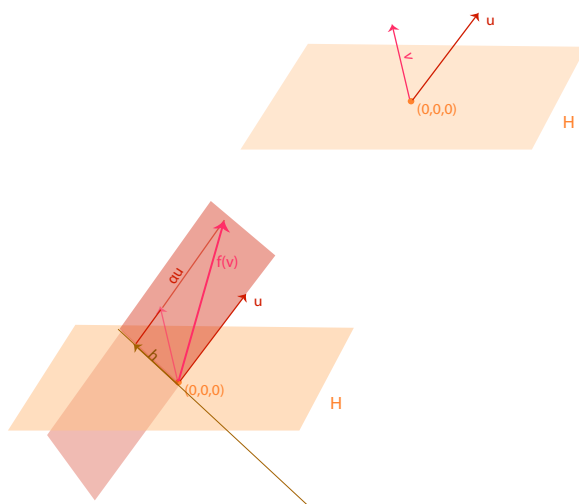


Figure 26.34: A dilation  $f$  of the  $xy$ -plane in direction  $u = (1, 1, 1)$ . Every vector  $v$  not in the  $xy$ -plane determines a rose-colored plane through  $u$ , and the image  $f(v)$  is an element of this rose hyperplane since it is stretched in the  $u$  direction.