$\frac{det([0 \ 0 \ a_{1} \ b_{1}])}{det([0 \ 0 \ a_{1} \ b_{1}])} = det([0 \ 0 \ b_{1} \ b_{2}])$ $= \frac{det([0 \ 0 \ a_{1} \ b_{1}])}{a_{1} \ a_{2} \ b_{2} \ 0} = det([0 \ 0 \ a_{2} \ b_{2}])$ $= \frac{det([0 \ 0 \ b_{1} \ b_{2}])}{a_{1} \ a_{2} \ b_{2} \ 0} = det([0 \ 0 \ a_{2} \ b_{2}])$ $= \frac{det([0 \ 0 \ b_{1} \ b_{2}])}{a_{2} \ b_{2} \ 0} = det([0 \ 0 \ a_{2} \ b_{2}])$ $= \frac{det([0 \ 0 \ a_{2} \ b_{2}])}{a_{2} \ b_{2} \ 0} = det([0 \ 0 \ a_{2} \ b_{2}])$ $= \frac{det([0 \ 0 \ a_{2} \ b_{2}])}{a_{2} \ b_{2} \ 0} = det([0 \ 0 \ a_{2} \ b_{2}])$ $= \frac{det([0 \ 0 \ a_{2} \ b_{2}])}{a_{2} \ b_{2} \ 0} = det([0 \ 0 \ a_{2} \ b_{2}])$ $= \frac{det([0 \ 0 \ a_{2} \ b_{2}])}{a_{2} \ b_{2} \ 0} = det([0 \ 0 \ a_{2} \ b_{2}])$ $= \frac{det([0 \ 0 \ a_{2} \ b_{2}])}{a_{2} \ b_{2} \ 0} = det([0 \ 0 \ a_{2} \ b_{2}])$ $= \frac{det([0 \ 0 \ a_{2} \ b_{2}])}{a_{2} \ b_{2} \ 0} = det([0 \ 0 \ a_{2} \ b_{2}])$ $= \frac{det([0 \ 0 \ a_{2} \ b_{2}])}{a_{2} \ b_{2} \ 0} = det([0 \ 0 \ a_{2} \ b_{2}])$ $= \frac{det([0 \ 0 \ a_{2} \ b_{2}])}{a_{2} \ b_{2} \ a_{2} \ b_{2} \ 0} = det([0 \ 0 \ a_{2} \ b_{2}])$ $= \frac{det([0 \ 0 \ a_{2} \ b_{2}])}{a_{2} \ b_{2} \ a_{2} \ b_{2} \ 0} = det([0 \ 0 \ a_{2} \ b_{2}])$ $= \frac{det([0 \ 0 \ a_{2} \ b_{2}])}{a_{2} \ b_{2} \ a_{2} \ b_{2} \ 0} = det([0 \ 0 \ a_{2} \ b_{2}])$ $= \frac{det([0 \ 0 \ a_{2} \ b_{2}])}{a_{2} \ b_{2} \ a_{2} \ a_{2} \ b_{2} \ a_{2} \$

