

M.  $(\circ ((\text{curry map}) f) ((\text{curry map}) g)) = ((\text{curry map}) (\circ fg))$   
 $((\text{curry map}) (\circ fg)) = ((\text{curry map}) (f (g)))$   $\} \text{--- apply-compose law}$   
 $((\text{curry map}) f) ((\text{map}) g)$   $\} \text{--- map-cons law}$

$$((\text{curry } f) x) y = (f x y)$$