

mapOfMap f g = map f . map g

h1 f g a = map f (map g a)

...

h4 f g a =

case (case a of

    []          -> []

    h1 : t1 -> g h1 : map g t1) of

    []          -> []

    h0 : t0 -> f h0 : map f t0

...

h6 f g a =

case a of

    []          -> []

    h : t -> f (g h) : map f (map g t)

h7 f g a =

case a of

    []          -> []

    h : t -> f (g h) : h7 f g t