

```

(def dims (A)
  (cond (eq A ())
        (list (0,0))
        (cond (not (eq A ()))
                (setq temp (dims (cdr A)))
                (list ((+ 1, (nth temp, 0)), (length (nth A, 0))))))
  )

```

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(def print (A)
  (print-h 0, 0)
  )

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(def print-h (A, y, x)
  (cond (eq x 0)
        (print "na" (nth (nth A x) y))
        (print-h A, y, (+ x 1)))
  (cond (not (eq x 0))
        (print-h A, (+ y 1), x)
        (cond (not (eq x 0))
                (print-h A, y, (+ x 1)))
        )
  )

```

(cond (not (eq (length A) (+ x 1)))  
 ...  
 (cond (not (eq (length (nth x A)) (+ y 1)))  
 ...

```

(def inv (A)
  (inv 0,0)
  )
(def inv-h (A, y, x)
  (cond (and (not (eq y (length A))) (not (eq x (length (nth A 0)))))
        (cond (eq x 0)
                (setq temp (append (nth (nth A x) y)) (inv-h A, y, (+ x 1)))
                (inv-h A, (+ y 1), x)
                (cond (not (eq x 0))
                      (inv-h A, y, (+ x 1)))
                )
        )
  )

```

Berke Belgün  
 171044065