

```

(%i20) month:[1,2,3,4,5,6,7,8,9,10,11,12]$
(%i21) templ:[6.1,7.2,10.1,15.4,20.2,22.4,25.4,27.1,24.4,18.7,11.4,8.9]$
(%i22) dir_name:"c:/users/[REDACTED]/maxima/"$
(%i23) write_data(templ,concat(dir_name,"templ.lst"),'csv)$

;; loading #P"C:/Users/kanrinin/maxima/binary/5_38_1/sbcl/1_3_4/share/
numericalio/encode-decode-float.fasl"
;; loading #P"C:/Users/kanrinin/maxima/binary/5_38_1/sbcl/1_3_4/share/
numericalio/numericalio.fasl"

(%i24) write_data(month,concat(dir_name,"month.lst"),'csv)$
(%i25) a:read_list(concat(dir_name,"month.lst"),'csv);
(%o25) [1,2,3,4,5,6,7,8,9,10,11,12]
(%i26) b:read_list(concat(dir_name,"templ.lst"),'csv);
(%o26) [6.1,7.2,10.1,15.4,20.2,22.4,25.4,27.1,24.4,18.7,11.4,8.9]
(%i27) tokyo_kion:matrix(a,b);

(%o27) 
$$\begin{pmatrix} 1 & 2 & 3 & 4 & 5 & 6 & 7 & 8 & 9 & 10 & 11 & 12 \\ 6.1 & 7.2 & 10.1 & 15.4 & 20.2 & 22.4 & 25.4 & 27.1 & 24.4 & 18.7 & 11.4 & 8.9 \end{pmatrix}$$

(%i28) write_data(tokyo_kion,concat(dir_name,"kion.dat"),'csv)$
(%i29) c:read_matrix(concat(dir_name,"kion.dat"),'csv);
(%o29) 
$$\begin{pmatrix} 1 & 2 & 3 & 4 & 5 & 6 & 7 & 8 & 9 & 10 & 11 & 12 \\ 6.1 & 7.2 & 10.1 & 15.4 & 20.2 & 22.4 & 25.4 & 27.1 & 24.4 & 18.7 & 11.4 & 8.9 \end{pmatrix}$$

(%i30) row(c,1);
(%o30) (1 2 3 4 5 6 7 8 9 10 11 12)
(%i32) col(c,3);
(%o32) 
$$\begin{pmatrix} 3 \\ 10.1 \end{pmatrix}$$

(%i33) c[2,4];

(%o33) 15.4

```