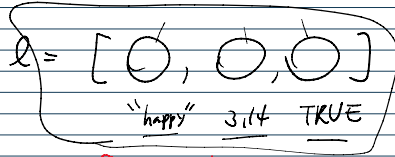


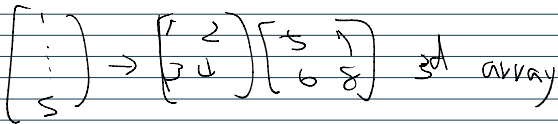
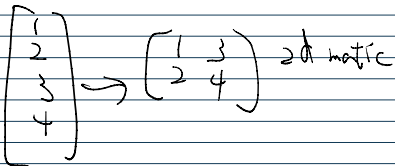
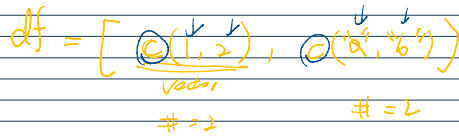
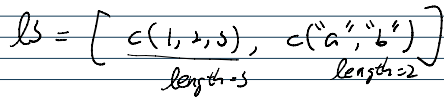
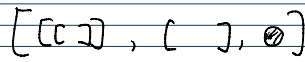
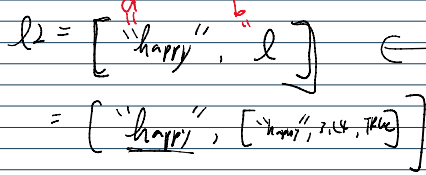
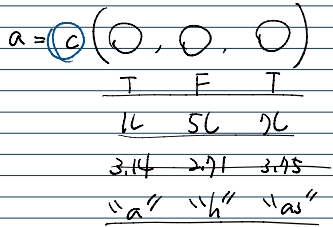
vector

atomic vector

list  
 (recursive vector)  
 data.frame



numeric  
 logic integer double character  
 True/False 1L 3L 3.14, 2.71 "a", "c"  
 "3.14", "a3"



variables

Student Name	②	③
"a"	50	75
"b"	60	75
"c"	60	30

observing data

matrix  $\neq$  df  
 $\begin{bmatrix} 1 & 2 \\ 3 & 4 \end{bmatrix} \neq \begin{pmatrix} 1 \\ 2 \\ 3 \\ 4 \end{pmatrix}$