3)
$$[1,2,2,1]$$
 $[2,2]$

set $\rightarrow [1,2]$ $[2]$

res $[3] = 2$
 $[4,9,5]$ $[9,4,9,8,4]$

set $\rightarrow [4,9,5]$ $[9,4,8]$

res $[4,9,5]$ $[9,4,9]$