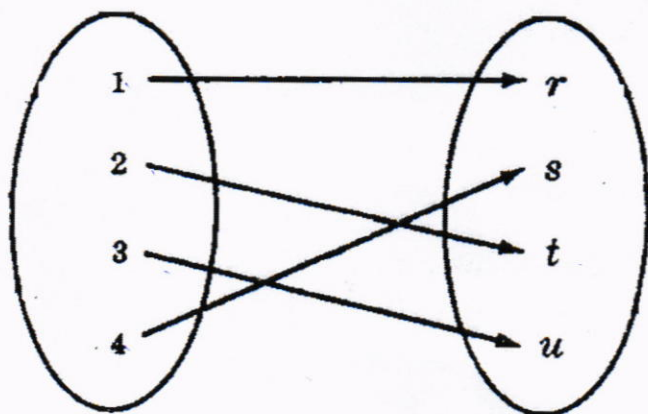


one to one but not onto ($3 \in B$ but it is not the image under f_1)



both one to one & onto

(or one to one correspondence between A and B)