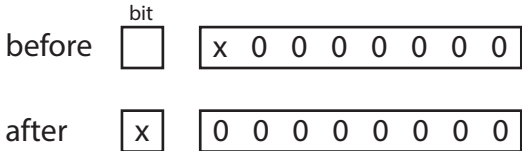


carry memory word



$x = 1$: resource is free

$x = 0$: resource is busy