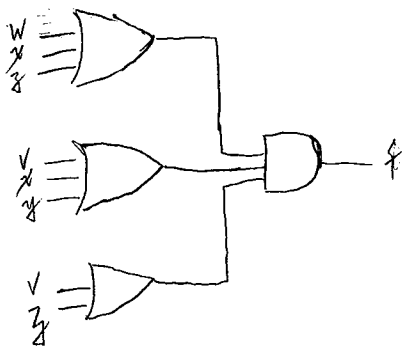


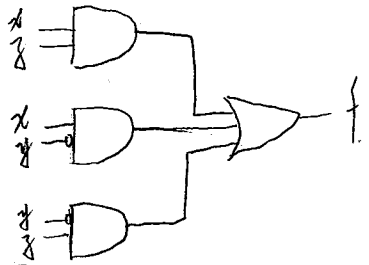
2.21

(1) $f(w, x, y, z) = (w+x+z)(v+x+y)(w+z)$



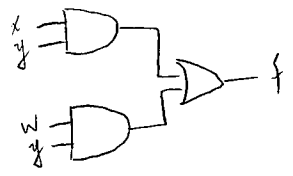
(2)

$f(x, y, z) = xzy + xy'z + y'z$



(3)

$f(w, x, y, z) = xzy + y(wz' + wz)$
 $= xzy + wy$



(4)

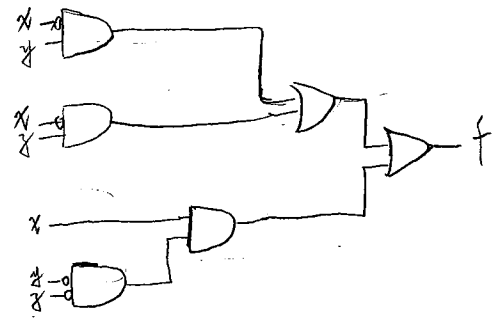
$f(w, x, y, z) = xzy + (x+yz)(x+y')$
 $= xzy + x$
 $= x$



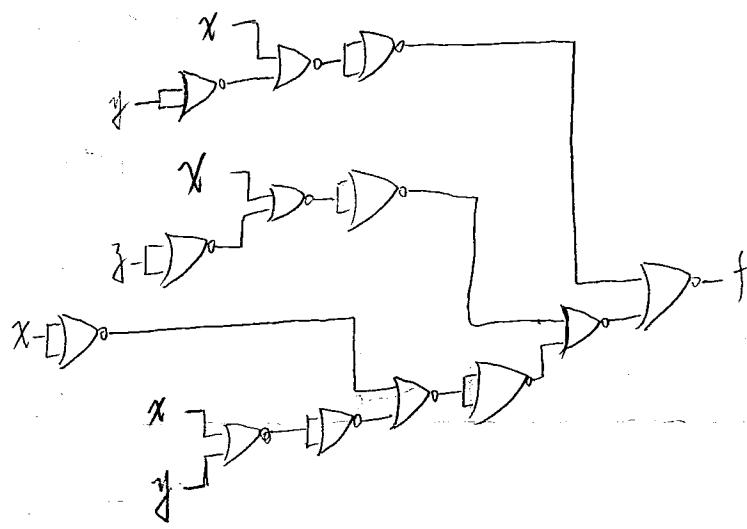
2.29

$f(x, y, z) = x'y + x'yz + xy'z'$

(1)



(2)



(3)

