x	y	z	
2	2	4	
3	4	2	4
5	7	6	
7	6	5	4
12	13	11	

$-x+z$
$-y+z$
$x+y+y+z=12$
$-x=12-2y-z$
$x=\frac{12}{10}-8-4$
$x=\frac{-10}{2}$

$z+x$
$x+y$
$z+x+x+y=11$
$2x=11-z-y$
$x=\frac{11-z-y}{2}=12-2y-z$
$11-z-y=24-4y-3z$
11
$0=13-3y-2z$
$3y=13-2z$
$y=\frac{13-2z}{3}=z-1$
3
$13-2z=3z-3$
$16=5z$
$16=4z$
$4=z$
$3=y$
$1=x$

$y+z$
$x+z$
$y+z+x+z=13$
$x=13-y-2z=x-3y-z$
$-1=z=-y$
$y=-1$
$y=-1$
$y=3$