Eingesetzt in (G_1'):

$$-5 \cdot (-2) - 16 \cdot (-2) - 8d = 2 \qquad\qquad |\text{TU}$$
$$-8d + 42 = 2 \qquad\qquad |-42$$
$$-8d = -40 \qquad\qquad |:-8$$
$$d = 5$$

Eingesetzt in (G_0):

$$-3a - 8 \cdot (-2) + 5 \cdot (-2) + \cdot 5 = -4 \qquad\qquad |\text{TU}$$
$$-3a + 11 = -4 \qquad\qquad |-11$$
$$-3a = -15 \qquad\qquad |:-3$$
$$a = 5$$

Lösung: $a = 5$, $b = -2$, $c = -2$, $d = 5$

j)

	$-2b$		$+2d$	$= 2$	(G_0)
$2a$	$+2b$	$+c$		$= 1$	(G_1)
$-4a$	$+b$	$-2c$	$-8d$	$= -1$	(G_2)
$-2a$	$+2b$	$+2c$	$-d$	$= -2$	(G_3)

Variable a eliminieren:

$(G_0):$	$-2b$		$+2d$	$= 2$	(G_0')
$(G_1) + (G_3):$	$4b$	$+3c$	$-d$	$= -1$	(G_1')
$(G_2) + 2(G_1):$	$5b$		$-8d$	$= 1$	(G_2')

Variable c eliminieren:

$(G_0'):$	$-2b$	$+2d$	$= 2$	(G_0'')
$(G_2'):$	$5b$	$-8d$	$= 1$	(G_1'')

Variable d eliminieren:

$4(G_0'') + (G_1''):$	$-3b$	$= 9$	(G_0''')

Aus (G_0''') folgt: $b = -3$. Eingesetzt in (G_0''):

$$-2 \cdot (-3) + 2d = 2 \qquad\qquad |\text{TU}$$
$$2d + 6 = 2 \qquad\qquad |-6$$
$$2d = -4 \qquad\qquad |:2$$
$$d = -2$$

Eingesetzt in (G_1'):

$$4 \cdot (-3) + 3c - \cdot(-2) = -1 \qquad\qquad |\text{TU}$$
$$3c - 10 = -1 \qquad\qquad |+10$$
$$3c = 9 \qquad\qquad |:3$$
$$c = 3$$