Gauss Seidal Method

Example:
$3x + 20y - z = -18$
$2x - 3y + 20z = 25$
$20x + y - 2z = 17$

Diagonally Dominant Form:
$20x + y - 2z = 17$
$3x + 20y - z = -18$
$2x - 3y + 20z = 25$

f1 : $x = (17-y+2z)/20$
f2 : $y = (-18-3x+z)/20$
f3 : $z = (25-2x+3y)/20$

X0	Y0	Z0	f1 / x1	f2 / y1	f3 / z1
0	0	0	0.85	-0.9	1.25
0.85	-0.9	1.25	1.02	-0.965	1.03
1.02	-0.965	1.03	1.00125	-1.0015	1.00325
1.00125	-1.0015	1.00325	1.0004	-1.00003	0.99965