***Checking DSLEG***

1. Заданная система уравнений:

*х + 2y – z + 2u + 3v = 8,   
 x – y + z – 3u + v = 2,   
 –2x + y – z + 5u + v = -3,   
 –x + y + z – 4u – v = 20,   
 3x – y – z + 5u + 2v = 14.*

Решение:

по ***DSLEG:*** *x* = 13.8, *y ≈* 22.6182, *z ≈* 57.073, *u ≈* 13.164, *v ≈* *–*6.764 .

по ***WOLFRAM:***   
 C:\Users\Yury Berengard\Desktop\wolfram.gif

или: *x* = 13.8, *y ≈* 22.6182, *z ≈* 57.073, *u ≈* 13.164, *v ≈* *–*6.764 .

2. Заданная система уравнений:

*х + y – 2z – u + 3v = 8,   
 2x – y + z + u – v = 2,   
 – x + y – z + u – v = –3,   
 2x – 3y +5z – 4u + 5v = 20,   
 3x + y + z – u + 2v = 14.*

Решение:

по ***DSLEG:*** *x* = 1, *y* = 2, *z* = 3, *u* = 4, *v* = 5 .

по ***WOLFRAM:*** *x* = 1, *y* = 2, *z* = 3, *u* = 4, *v* = 5 .