In[1]:= Clear[f1, g1, g2, g3, g4, g5, g6, g7]

$$f1 = -2 \cos [x1] + 6 x1^2 x2 - 0.75 x2$$

$$g1 = 4 \times 1^2 + 10 \times 1 \times 2 - 1$$

$$g2 = -4 x1 + 6 x2^2 - 14$$

$$g3 = 6 \times 1^2 + 5 \times 1 + 12 \times 2 - 20$$

$$g4 = -2 - x1$$

$$g5 = x1 - 2$$

$$g6 = -2 - x2$$

$$g7 = x2 - 2$$

Out[2]= 
$$-0.75 \times 2 + 6 \times 1^2 \times 2 - 2 \cos [\times 1]$$

Out[3]= 
$$-1 + 4 \times 1^2 + 10 \times 1 \times 2$$

Out[4]= 
$$-14 - 4 \times 1 + 6 \times 2^2$$

Out[5]= 
$$-20 + 5 \times 1 + 6 \times 1^2 + 12 \times 2$$

Out[6]= 
$$-2-x1$$

Out[7]= 
$$-2 + x1$$

Out[8]= 
$$-2 - x2$$

Out[9]= 
$$-2 + x2$$

$$lu6 = D[L, u6]$$

$$lu7 = D[L, u7]$$

$$ls1 = D[L, s1]$$

$$1s2 = D[L, s2]$$

$$1s3 = D[L, s3]$$

$$1s4 = D[L, s4]$$

$$1s5 = D[L, s5]$$

$$1s6 = D[L, s6]$$

$$1s7 = D[L, s7]$$

Out[11]= 
$$-4 u2 - u4 + u5 + u3 (5 + 12 x1) - 12 x1 x2 + u1 (8 x1 + 10 x2) - 2 Sin[x1]$$

Out[12]= 
$$0.75 + 12 u3 - u6 + u7 + 10 u1 x1 - 6 x1^2 + 12 u2 x2$$

Out[13]= 
$$-1 + s1^2 + 4 x1^2 + 10 x1 x2$$

Out[14]= 
$$-14 + s2^2 - 4 x1 + 6 x2^2$$

Out[15]= 
$$-20 + s3^2 + 5 x1 + 6 x1^2 + 12 x2$$

Out[16]= 
$$-2 + s4^2 - x1$$

Out[17]= 
$$-2 + s5^2 + x1$$

Out[18]= 
$$-2 + s6^2 - x2$$

Out[19]= 
$$-2 + s7^2 + x2$$