```
#Matt's vector code
xVector := Vector[row](2);
                                                \left[\begin{array}{cc}0&0\end{array}\right]
                                                                                                              (1)
xVector := [1, 1];
                                                 [1, 1]
                                                                                                              (2)
yVector := [1, 2];
                                                 [1,2]
                                                                                                              (3)
firstxy := L \cdot xVector + M \cdot yVector;
                                          L[1,1] + M[1,2]
                                                                                                              (4)
solve(\{L+M=x, L+2\cdot M=y\}, \{L, M\});
                                       \{L = 2 x - y, M = -x + y\}
                                                                                                              (5)
#Maple solved a system with two equations and two unknowns
# the rest of the question does not make sense to me
# hope this helps.
```