```
In [6]:
A = column_matrix(ZZ, [-42,77]); show(A)
                                                                         \begin{pmatrix} -42\\77 \end{pmatrix}
In [7]:
B = block_matrix([[A,1]]); show(B)
                                                                     \begin{pmatrix} -42 & 1 & 0 \\ 77 & 0 & 1 \end{pmatrix}
In [8]:
C = B.echelon_form(); show(C)

\begin{pmatrix}
7 & 9 & 5 \\
0 & 11 & 6
\end{pmatrix}

In [ ]:
#la solucion del sistema es x=144 + 11t e y=80+6t
In [ ]:
```