In[28]:=
```
plainText = {{2, 17, 24}, {15, 19, 14}, {6, 17, 0}, {15, 7, 24}};
cryptoText = {{21, 6, 24}, {23, 0, 17}, {3, 8, 6}, {11, 12, 11}};
xMatrix = {{x1, x2, x3}, {x4, x5, x6}, {x7, x8, x9}};
```

In[37]:=
```
Solve[plainText.xMatrix == cryptoText, {x1, x2, x3, x4, x5, x6, x7, x8, x9}, Modulus → 26]
```

Out[37]=
```
{{x1 → 2, x2 → 0, x3 → 1, x4 → 1, x5 → 2,
  x6 → 0, x7 → 13 C[1], x8 → 1 + 13 C[2], x9 → 2 + 13 C[3]}}
```

In[46]:=
```
K = {{2, 0, 1}, {1, 2, 0}, {0, 1, 2}}
```

Out[46]=
```
{{2, 0, 1}, {1, 2, 0}, {0, 1, 2}}
```

In[45]:=
```
invK = Inverse[K, Modulus → 26]
```

Out[45]=
```
{{12, 3, 20}, {20, 12, 3}, {3, 20, 12}}
```