```
ħ = γ = 1;
DeclareAlgebra[QU, Generators → {X, Y, Z, b, a, z, y, x}, Centrals → {s, t}];
B[a_QU, x_QU] = -2 QU@x;
B[b_QU, x_QU] = QU@x;
B[b_QU, y_QU] = -2 QU@y;
B[a_QU, y_QU] = QU@y;
B[a_QU, z_QU] = -QU@z;
B[b_QU, z_QU] = -QU@z;
B[y_QU, x_QU] = -z_QU + ϵ ħ QU[y, x];
B[z_QU, x_QU] = -ϵ ħ QU[z, x];
B[b_QU, a_QU] = 0;
B[z_QU, y_QU] = ϵ ħ QU[z, y];
B[a_QU, X_QU] = 2 X_QU;
B[b_QU, X_QU] = -X_QU;
B[a_QU, Y_QU] = -Y_QU;
B[b_QU, Y_QU] = 2 Y_QU;
B[a_QU, Z_QU] = Z_QU;
B[b_QU, Z_QU] = Z_QU;
B[x_QU, X_QU] = -2 ϵ ħ QU@{X, x} + ((1 - s) QU[])/ħ + 2 s ϵ QU[a];
B[y_QU, Y_QU] = -2 ϵ ħ QU@{Y, y} + ((1 - t) QU[])/ħ + 2 t ϵ QU[b];
B[z_QU, Z_QU] = -2 ϵ ħ QU@{Z, z} + ((1 - s t) QU[])/ħ + 2 s t ϵ QU[a] + 2 s t ϵ QU[b];
B[y_QU, Z_QU] = X_QU - ϵ ħ QU@{Z, y};
B[x_QU, Z_QU] = -ϵ ħ QU@{Z, x} - (s + s ϵ ħ) QU[Y] + 2 s ϵ ħ QU[Y, a];
B[z_QU, X_QU] = 2 ϵ y_QU - ϵ ħ QU@{X, z};
B[z_QU, Y_QU] = -2 t ϵ QU[x] - ϵ ħ QU[Y, z];
B[y_QU, X_QU] = ϵ ħ QU[X, y];
B[x_QU, Y_QU] = ϵ ħ QU[Y, x];
B[X_QU, Y_QU] = 2 ϵ Z_QU - ϵ ħ QU[X, Y];
B[X_QU, Z_QU] = ϵ ħ QU[X, Z];
B[Z_QU, Y_QU] = ϵ ħ QU[Y, Z];
```