```
> b:=<1,0,0>;
```

$$b := \begin{bmatrix} 1 \\ 0 \\ 0 \end{bmatrix} \quad (1)$$

```
> eq:=c*<2,-1,0>+d*<-1,2,-1>+e*<0,1,-2>-b;
```

$$eq := \begin{bmatrix} 2c - d - 1 \\ -c + 2d + e \\ -d - 2e \end{bmatrix} \quad (2)$$

```
> eq1:=convert( (2), 'list' );
```

$$eq1 := [2c - d - 1, -c + 2d + e, -d - 2e] \quad (3)$$

```
> solve(eq1,{c,d,e});
```

$$\left\{c = \frac{3}{4}, d = \frac{1}{2}, e = -\frac{1}{4}\right\} \quad (4)$$