

$$\left(\begin{array}{c} 25 \\ b^2-5b+25 \end{array} \right) + \begin{array}{c} 2b \\ 5+b \end{array} - \begin{array}{c} b^3-25b^2 \\ b^3+125 \end{array} * \left(\begin{array}{c} b+5 \\ 1 \end{array} \right) - \begin{array}{c} 15b \\ b+5 \end{array} \begin{array}{c} 1 \\ b+5 \end{array} = \left(\begin{array}{c} 25(b+5) \\ (b^2-5b+25)(b+5) \end{array} \right) + \begin{array}{c} 2b(b^2-5b+25) \\ - \end{array} \begin{array}{c} b^3-25b^2 \\ b+5 \end{array} * \left(\begin{array}{c} (b+5)^2-15b \\ b+5 \end{array} \right) \begin{array}{c} 1 \\ b+5 \end{array}$$

$b^2-5b+25$
 $d=b^2-4ac=-25-4*1*25=-125$
 $b^3+125=b^3+5^3=(b+5)(b^2-5b+5^2)$
 $(x^3+y^3)=(x+y)(x^2-xy+y^2)$
 $(b+5)^3=b^3+15b^2+75b+125$

$$= \left(\begin{array}{c} 25(b+5)-(b^3-25b^2)+2b(b^2-5b+25) \\ (b^2-5b+25)(b+5) \end{array} \right) * \left(\begin{array}{c} b^2+10b+25-15b \\ b+5 \end{array} \right) \begin{array}{c} 1 \\ b+5 \end{array}$$

$$= \left(\begin{array}{c} 25b+125-b^3+25b^2+2b^3-10b^2+50b \\ (b^2-5b+25)(b+5) \end{array} \right) * \left(\begin{array}{c} b^2+25-5b \\ b+5 \end{array} \right) \begin{array}{c} 1 \\ b+5 \end{array}$$

$$\begin{array}{c} 75b+125+15b^2+b^3 \\ (b+5)^3 \end{array} \quad 1$$