





prot y $y = \begin{pmatrix} 1 & a^3 & a^2 \\ 1 & b^3 & b^2 \end{pmatrix}$ prot y $del V_{y} = - \begin{vmatrix} 1 & a^{2} & a^{3} \\ 1 & 4^{2} & 4^{3} \end{vmatrix} = \begin{vmatrix} 4 & a^{2} & a^{3} \\ 0 & a^{2} & 4^{3} - a^{3} \end{vmatrix} = \begin{vmatrix} c^{2} - a^{2} & b^{2} - a^{2} \\ 0 & c^{2} - a^{2} & c^{3} - a^{3} \end{vmatrix} = \begin{vmatrix} c^{2} - a^{2} & c^{3} - a^{2} \\ 0 & c^{2} - a^{2} & c^{3} - a^{3} \end{vmatrix}$ (b-a)(c-a) | b+a b+ba+1/a² | - $= -(b-a)(c-a) | b-ta b^2+b-a+a^2 = -(c^2-b^2)+ca-ba$ $= -(b-a)(c-a)(c-b) \cdot |b+a|b^2+ba+a^2| -$ = -del V. | b+u/(c+b+a)-b2-ba-a2] = -- del V. (bc+ac+ab) = del Vy y = del Vy = - (abba.b+a.c+b.c)

 $Wolz : Wz = \begin{pmatrix} 1 & \alpha & \alpha^3 \\ 1 & b & b^3 \\ 1 & c & c^3 \end{pmatrix}$ routs del made del Wz = \(\begin{array}{c} a a \\ 1 \\ c \\ c \\ \end{array} = \(\begin{array}{c} a \\ 0 \\ c \\ c \\ \end{array} = \(\begin{array}{c} a \\ 0 \\ c \\ a \\ \end{array} = \(\begin{array}{c} a \\ 0 \\ c \\ a \\ \end{array} = \(\begin{array}{c} a \\ 0 \\ c \\ a \\ \end{array} = \(\begin{array}{c} a \\ 0 \\ c \\ a \\ \end{array} = \(\begin{array}{c} a \\ 0 \\ c \\ a \\ \end{array} = \(\begin{array}{c} a \\ 0 \\ c \\ a \\ \end{array} = \\ 0 \\ c \\ a \\ \end{array} = \(\begin{array}{c} a \\ 0 \\ c \\ a \\ \end{array} = \\ 0 \\ c \\ a \\ \end{array} = \\ 0 \\ c \\ a \\ \end{array} = \(\begin{array}{c} a \\ 0 \\ c \\ a \\ \end{array} = \\ 0 \\ c \\ a \\ c = (b-a) ((-a) 1 1 b2+ab+a2) - = a) (c-b) (c+b+a) = del V. (a+b+c) = det Wa = (a & b & c) 1 Mesen -(abtactoc) a + b + c +a