$m^{"}+m^{"}=(|\text{Local}|\hat{d}_{0})\times(|\text{Local}|\hat{d}_{0})\times(|\text{Local}|\hat{d}_{0})\times(|\text{Local}|\hat{d}_{0})\times(|\text{Local}|\hat{d}_{0})\times(|\text{Local}|\hat{d}_{0})\times(|\text{Local}|\hat{d}_{0})\times(|\text{Local}|\hat{d}_{0})\times(|\text{Local}|\hat{d}_{0})\times(|\text{Local}|\hat{d}_{0})\times(|\text{Local}|\hat{d}_{0})\times(|\text{Local}|\hat{d}_{0})\times(|\text{Local}|\hat{d}_{0})\times(|\text{Local}|\hat{d}_{0})\times(|\text{Local}|\hat{d}_{0})\times(|\text{Local}|\hat{d}_{0})\times(|\text{Local}|\hat{d}_{0})\times(|\text{Local}|\hat{d}_{0})\times(|\text{Local}|\hat{d}_{0})\times(|\text{Local}|\hat{d}_{0})\times(|\text{Local}|\hat{d}_{0})\times(|\text{Local}|\hat{d}_{0})\times(|\text{Local}|\hat{d}_{0})\times(|\text{Local}|\hat{d}_{0})\times(|\text{Local}|\hat{d}_{0})\times(|\text{Local}|\hat{d}_{0})\times(|\text{Local}|\hat{d}_{0})\times(|\text{Local}|\hat{d}_{0})\times(|\text{Local}|\hat{d}_{0})\times(|\text{Local}|\hat{d}_{0})\times(|\text{Local}|\hat{d}_{0})\times(|\text{Local}|\hat{d}_{0})\times(|\text{Local}|\hat{d}_{0})\times(|\text{Local}|\hat{d}_{0})\times(|\text{Local}|\hat{d}_{0})\times(|\text{Local}|\hat{d}_{0})\times(|\text{Local}|\hat{d}_{0})\times(|\text{Local}|\hat{d}_{0})\times(|\text{Local}|\hat{d}_{0})\times(|\text{Local}|\hat{d}_{0})\times(|\text{Local}|\hat{d}_{0})\times(|\text{Local}|\hat{d}_{0})\times(|\text{Local}|\hat{d}_{0})\times(|\text{Local}|\hat{d}_{0})\times(|\text{Local}|\hat{d}_{0})\times(|\text{Local}|\hat{d}_{0})\times(|\text{Local}|\hat{d}_{0})\times(|\text{Local}|\hat{d}_{0})\times(|\text{Local}|\hat{d}_{0})\times(|\text{Local}|\hat{d}_{0})\times(|\text{Local}|\hat{d}_{0})\times(|\text{Local}|\hat{d}_{0})\times(|\text{Local}|\hat{d}_{0})\times(|\text{Local}|\hat{d}_{0})\times(|\text{Local}|\hat{d}_{0})\times(|\text{Local}|\hat{d}_{0})\times(|\text{Local}|\hat{d}_{0})\times(|\text{Local}|\hat{d}_{0})\times(|\text{Local}|\hat{d}_{0})\times(|\text{Local}|\hat{d}_{0})\times(|\text{Local}|\hat{d}_{0})\times(|\text{Local}|\hat{d}_{0})\times(|\text{Local}|\hat{d}_{0})\times(|\text{Local}|\hat{d}_{0})\times(|\text{Local}|\hat{d}_{0})\times(|\text{Local}|\hat{d}_{0})\times(|\text{Local}|\hat{d}_{0})\times(|\text{Local}|\hat{d}_{0})\times(|\text{Local}|\hat{d}_{0})\times(|\text{Local}|\hat{d}_{0})\times(|\text{Local}|\hat{d}_{0})\times(|\text{Local}|\hat{d}_{0})\times(|\text{Local}|\hat{d}_{0})\times(|\text{Local}|\hat{d}_{0})\times(|\text{Local}|\hat{d}_{0})\times(|\text{Local}|\hat{d}_{0})\times(|\text{Local}|\hat{d}_{0})\times(|\text{Local}|\hat{d}_{0})\times(|\text{Local}|\hat{d}_{0})\times(|\text{Local}|\hat{d}_{0})\times(|\text{Local}|\hat{d}_{0})\times(|\text{Local}|\hat{d}_{0})\times(|\text{Local}|\hat{d}_{0})\times(|\text{Local}|\hat{d}_{0})\times(|\text{Local}|\hat{d}_{0})\times(|\text{Local}|\hat{d}_{0})\times(|\text{Local}|\hat{d}_{0})\times(|\text{Local}|\hat{d}_{0})\times(|\text{Local}|\hat{d}_{0})\times(|\text{Local}|\hat{d}_{0})\times(|\text{Local}|\hat{d}_{0})\times(|\text{Local}|\hat{d}_{0})\times(|\text{Local}|\hat{d}_{0})\times(|\text{Local}|\hat{d}_{0})\times(|\text{Local}|\hat{d}_{0})\times(|\text{Local}|\hat{d}_{0})\times(|\text{Local}|\hat{d}$

حللي العبارة التالية إلى عواملها الأولية: 3٠

y⁴+8 y

الحل:

 $y(y+2)(y^2+2y+4)$ $y(y-2)(y^2+4y+4)$

 $y(y+2)(y^2-2y+4)$

باستخدام تحليل مجموع مكعبين:

 $y(y^3+8) = y(y^3+2^3)$

 $= y(y+2)(y^2-2y+4)$

 $= y(y+2)(y^2-(y)(2)+(2)^2)$