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

حللي العبارة التالية إلى عواملها الأولية: 5.

u⁴+27 u

 $u(u+3)(u^2+3u+9)$

 $u(u-3)(u^2+6u+9)$

 $u(u-3)(u^2+3u+9)$

الحل:

 $u (u+3) (u^2-3 u+9)$

 $u^4 + 27 u = u (u^3 + 27)$

باستخدام تحليل مجموع مكعبين:

 $u(u^3+27) = u(u^3+3^3)$

 $= u(u+3)(u^2-3u+9)$

 $= u(u+3)(u^2-(u)(3)+(3)^2)$