نخرج i عامل مشترك لتصبح:  $i^4 + 64 i = i(i^3 + 64)$ باستخدام تحليل مجموع مكعبين:  $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$  $i(i^3+64) = i(i^3+4^3)$  $= i(i+4)(i^2-(i)(4)+(4)^2)$  $= i(i+4)(i^2-4i+16)$ 

حللي العبارة التالية إلى عواملها الأولية: 3٠

 $i(i-4)(i^2+4i+16)$ الحل:

i<sup>4</sup>+64 i

 $i(i+4)(i^2+4i+16)$  $i(i-4)(i^2+8i+16)$ 

 $i(i+4)(i^2-4i+16)$