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

حللي العبارة التالية إلى عواملها الأولية: 2.

الحل: نخرج i عامل مشترك لتصبح:  $i^4 + 27 i = i(i^3 + 27)$ 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$  $i(i^3+27) = i(i^3+3^3)$ 

i<sup>4</sup>+27 i

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

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

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