$$j^{4}+8j$$
 $j(j+2)(j^{2}+2j+4)$
 $j(j-2)(j^{2}+4j+4)$
 $j(j+2)(j^{2}-2j+4)$
 $j(j-2)(j^{2}+2j+4)$

حللي العبارة التالية إلى عواملها الأولية: 1٠

الحل:

j⁴+8 i

$$j^4 + 8 j = j(j^3 + 8)$$

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

$$m^{"}+m^{"}=(|\text{Localkle}_{0}+|\text{Localkle}_{0})\times(\text{Annya}|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0}+|\text{Localkle}_{0$$

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