

بعض أشكال عملية الضرب

$$1. (a+b)^2 = a^2 + 2ab + b^2$$

مثال

$$(3B+4U)^2 = (3B)^2 + 2(3B)(4U) + (4U)^2 \\ = 9B^2 + 24BU + 16U^2$$

$$(2p+4d)^2 = (2p)^2 + 2(2p)(4d) + (4d)^2 \\ = 4p^2 + 16dp + 16d^2$$

$$(3E+A)^2 = (3E)^2 + 2(3E)(A) + (A)^2 \\ = 9E^2 + 6AE + A^2$$

$$2. (a-b)^2 = a^2 - 2ab + b^2$$

مثال

$$(2L-G)^2 = (2L)^2 - 2(2L)(G) + (G)^2 \\ = 4L^2 - 4GL + G^2$$

$$(3D-5C)^2 = (3D)^2 - 2(3D)(5C) + (5C)^2 \\ = 9D^2 - 30CD + 25C^2$$

$$(2d-v)^2 = (2d)^2 - 2(2d)(v) + (v)^2 \\ = 4d^2 - 4dv + v^2$$

$$3. (a+b)(a-b) = a^2 - b^2$$

مثال

$$(4H+3P)(4H-3P) = (4H)^2 - (3P)^2 \\ = 16H^2 - 9P^2$$

$$(5d+3t)(5d-3t) = (5d)^2 - (3t)^2 \\ = 25d^2 - 9t^2$$

$$(2s+5v)(2s-5v) = (2s)^2 - (5v)^2 \\ = 4s^2 - 25v^2$$