

((16,) = 1x16 ) + shape x = np. arange (16) · respape ((-1,4)) array [[[0,1,2,3], [8,9,10,11],~ (12,13,14,15),np. diag(x) -> array([0,5,10,15]) np.diag(x, k=2) array([2,7)) np. diag(x, k=-1) -> array (4,9,13) Note: by-defaut key (k=0)

(np.diag (np.diag (x)) (seconstruct

array ([[0,0,0,0], with diag-elen) [0,5,0,0] [0,0,10,0) [0,0,0,15]) diagflat: Sarray ([[1,0,0,0], (': first: ("first flatters The list Han (0,2,0,0) Creates sq. (0,0,3,0) matrix.) (0,0,0,4))









