

$$n^2 + n(n-1) = 1^2 + \frac{n(n-1)}{2} + \frac{n(n-1)}{2}$$

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$$n=11$$

$$(11, 0)$$

$$2 + 4 + 6 + \dots + 2n = n(n+1)$$

$$1 + 3 + 5 + \dots + (2n-1) = n^2$$

$$1 + 3 + 5 + \dots + (2n-1) = n^2$$

$$\frac{n^2}{2}$$

$$b_1, (-2)^2 = 4, 2, 1, 0, -1, -2, -3, -4, -5, -6, -7, -8, -9, -10, -11, -12, -13, -14, -15, -16, -17, -18, -19, -20, -21, -22, -23, -24, -25, -26, -27, -28, -29, -30, -31, -32, -33, -34, -35, -36, -37, -38, -39, -40, -41, -42, -43, -44, -45, -46, -47, -48, -49, -50, -51, -52, -53, -54, -55, -56, -57, -58, -59, -60, -61, -62, -63, -64, -65, -66, -67, -68, -69, -70, -71, -72, -73, -74, -75, -76, -77, -78, -79, -80, -81, -82, -83, -84, -85, -86, -87, -88, -89, -90, -91, -92, -93, -94, -95, -96, -97, -98, -99, -100$$

$$a_1 - a_2 = 1, a_2 - a_3 = 1, a_3 - a_4 = 1, \dots, a_{n-1} - a_n = 1$$

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$$\frac{1}{n+1}$$

$$n+1$$

$$n+1$$

