

P739

39. 7, 9, 11, ...

$$S_{25} = \frac{n}{2}(a_1 + a_n)$$

$$S_{25} = \frac{25}{2}(7 + 55)$$

$$a_n = a_1 + (n-1)d$$

$$a_n = 7 + (n-1)2$$

$$a_n = 2n + 5$$

$$a_{25} = 2(25) + 5$$

55

Ex $a_{10} = 5$ L_1 - term #
 $a_{13} = 14$ L_2 - term

explicit/ a_n : STAT/CALC/4/VARS/YVARS/E/E

$$a_n = 3n - 25$$

to find a particular term:

$a_{99} = 272$ 2nd/window/
start: 99
2nd/graph

OR $Y_1(99)$

homescreen

VARS/YVARS/E/E

$Y_1(\#)$

Find 12th partial sum

$$S_{12} = -66$$

2nd/STAT/MATH/5

2nd/STAT/OPS/5

SUM(seq(Y_1 , X, start, end))