$$\begin{cases} u_1 = 47 \\ u_n = u_{n-1} + 3.25, \quad n \geq 2 \end{cases}$$

calc $\begin{cases} nMin = 1 \\ u(n) = u(n-1) + 3.25 \\ u(nMin) = 47 \end{cases}$

- make a table of the first 10 terms
- find u_{54}
- find the value of n so that $u_n = 277.75$

n	u_n
1	47
2	50.25
3	53.5
4	56.75

u_{2345}

nMin ⇒ smallest of n

ex start $u_1 = 40$
$nMin = 1$
start $u_0 = 40$
$nMin = 0$

u(n) ⇒ u_n ⇒ nth subscript :n( ) function notation

u(nMin) = starting value

n ⇒ [X,T,θ,n]

u ⇒ [2nd] [7]

v = [2nd] [8]

w: [2nd] [9]

$u_5 = 3000$

$u_n = 0.98\, u_{n-1}$, $n \geq 6$

find u_{80}

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nMin = 5

u(n) = 0.98 u(n-1)

u(nMin) = 3000

find u(80)

$\begin{cases} u_1 = 7 \\ u_n = 4u_{n-1} + 2.5 \end{cases}$

find the first 5 terms