b) 
$$T_{25} = 325$$
 may found  $T_{n} = T_{n-1} + h$  entire  $T_{25} = T_{24} + 25$   $T_{26} = T_{25} + 26$   $T_{25} - 25 = T_{24}$   $T_{26} = 325 + 26$   $T_{26} = 325 + 26$   $T_{26} = 351 //$   $T_{24} = 300 //$ 

c) 
$$17_{54} = 7_{53} + 54$$
 $T_{54} - 7_{53} = 4_{53} + 54 - 7_{63}$ 
 $T_{46} + 4_{7} - 7_{46} = 4_{7}$ 
 $= 54$ 

$$(v) T_{N-1} = T_{N-1} = T_{N-1} = T_{N-1}$$

22 a) 
$$T_{24} = 1 + 2 + ... + 24$$
  
 $T_{24} = 24 + 23 + ... + 1$   
 $2 \cdot T_{24} = 25 + 25 + ... + 25$   
 $2 \cdot T_{24} = 24 \cdot 25$   
 $2 \cdot T_{24} = 24 \cdot 25$   
 $T_{24} = 12 \cdot 25 = 300$ 

$$T_{29} = 1+2+...+29$$
 $2t_{25} = 30+30+...+30$ 
 $2t_{25} = 29.30 = 870$ 

$$T_{59} = 14 \dots + 99$$
 $T_{79} = 99 + 98 + \dots + 1$ 
 $2.T_{79} = 100 + 100 + \dots + 100$ 
 $99 \text{ vets}$ 

$$\frac{2.T_{59} = 99.100}{T_{99} = 39.50}$$

$$= 7 + 99 = 495 //$$

> 99.50 = 350 - 495

$$T_{1000} = 1 + 2 + ... + 1000$$

$$T_{1000} = \frac{1000 \cdot 1001}{2} = 500500$$

$$S = 4 + 5 + \dots + 15 + 16$$
  
 $S = 16 + 15 + \dots + 5 + 4$ 

c) 
$$S = 2 + 4 + \dots + 38 + 40$$
  
 $2S = 20(40 + 2)$   
 $S = 10.42$   
 $S = 420//$ 

$$\frac{\partial}{\partial S} = 3 + 6 + 9 + \cdots + 87 + 90$$
  
 $S = 90 + 87 + \cdots + 6 + 3$   
 $2S = 93 \cdot 30$ 

$$S = \frac{110 \cdot 10}{2} = \frac{1100}{2} = 550$$

$$T_{10} = 1 + 2 + 3 + \dots + 9 + 10$$

$$10.T_{10} = 10(1 + 2 + 3 + \dots + 9 + 10)$$

9) 
$$S = 1+2 + 3 + ... + 59$$
  
 $S = 55 + ... + 3 + 2 + 1$   
 $2S = 60.30$   
 $S = 60.15$   
 $S = 500 / 1$ 

Leubraido:

0 n-osimo inper e

2n-1

1'

7°

3-5