Total	17	F27	0	print	present	rem	
1.51	111	100	1()	18	181	10	

NOME: FOURE ANCHANDO DA CUNHO MENDOS
i
115TA 2
(1) $(2)$ $(3)$ $(3)$ $(3)$ $(3)$ $(4)$ $(3)$ $(4)$
C) [13] 5N - 3.2 + 9.2 - 3.3 (1)
= 3(1+2+3++n)
=3(n(n+1))
2
$=\frac{3n(n+1)}{2}$
2 //
$2r) \sum_{k=1}^{m} (m+1) = (k+1) + (2+1) + (3+1) + \dots + (m+1)$
=1.m+(1+2+3+m)
= n + n(n+1)
2 //
c) Zu=1 (1-1)=(1-1)+(2-1)+(3-1)++(m-1)
= n(n+1) - n
2
d) $\sum_{k=1}^{lg(n)} (2n+2) = \log(n) \cdot (2n+2)$
e) $\sum_{i=1}^{lg(n)} (2n+i) = (2n+1) + (2n+2) + + (2n+lg(n))$
$= 2n \cdot lg(n) + (1 + 2 + 3 + + lg(n))$
$=2n\lg(n)+\lg(n)(\lg(n)+1)$
a //

O Salar Calmital
1) Zujen 21 5 2 g(n)+1
2-1
$= 2^{\lg(n)+1} - 1$
$=2.2^{9(n)}-1$
= 2. n <sup>2</sup> g <sup>12</sup> ) - 1
= 2n-1//
$QV = Q_{2}(m) - 1 = (\frac{3}{16})^{\frac{1}{2}} = (\frac{3}{16})^{\frac{1}{2}} = 1$
3/10-1
$I \circ a = I \circ t \circ A$
$= n \frac{g(340)}{1} = n \frac{(193 - 1910)}{-1}$
-13 -13
16
(193-4)
- 112
-13 16
A) Z = 2 = 2 -1 = 2 -1
2-1
il 2, 29(n) i = 9+ 1 + 2 + 3 + + lg(n)
$i)\sum_{k=0}^{n} i = 0 + 1 + 2 + 3 + + lg(n)$ $2^{k}$ $a^{0}$ $a^{1}$ $a^{2}$ $a^{3}$ + $lg(n)$
The state of the s
12 12 22 4 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2
spiral'