$$S_n = \sum_{k=1}^n a_k$$

で定める.  $n=1,2,3,\cdots$  に対し,  $S_n=2a_n+n$  が成り立つとき, 次の問いに答えよ.

- (1) a1 および a2 を求めよ.
- (2)  $a_{n+1}$  を  $a_n$  の式で表せ.
- (3)  $a_n$  を n の式で表せ.

(1) 
$$S_n = 2a_n + h = 1$$
.  
 $n = |x + t|$   
 $P_1 = 2a_1 + l$ .  
 $222'' \quad P_1 = a_1 = 1$   
 $a_1 = 2a_1 + l$  ...  $a_1 = -l$   
 $a_2 = 2a_2 + l$   
 $a_2 = 2a_2 + l$   
 $a_2 = 2a_2 + l$   
 $a_3 = a_1 + a_2 = 1$   
 $a_4 = a_2 = 2a_2 + l$ .

- 1+ Q2 = 2Q2+1

$$S_{n+1} = 2a_{n+1} + (u+1)$$

$$- S_n = 2a_n + n$$

$$a_{n+1} = 2a_{n+1} - 2a_n + 1$$

$$Q_{n+1} = 2Q_n - \frac{1}{n}$$

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

Jor 教が「 f an-1] は初近 -2. (att 2 n 写t数).

$$\begin{array}{c} 1. & \Omega u - 1 = -2.2^{n-1} \\ & = -2^{n} \\ \Omega u = -2^{n} + 1 \end{array}$$