subject	date	keywords

Example

topic

$$a_{n} - 5a_{n+} + 6a_{n-2} = 6(7)^{n}$$
 where $a_{0} = 20_{1} a_{1} = 100$
 $\sim \sqrt{2} - 5x + 6 = 0 \Rightarrow (x - 2xx - 3) \Rightarrow x = 2,3$
 $\sim \sqrt{2} + 3 + 6x$ $a_{n}^{(e)} = y \cdot 7^{n}$
 $\Rightarrow a_{n} = a_{n}^{(n)} + a_{n}^{(e)} = 3^{n} + 3 \cdot 2^{n} + y \cdot 7^{n}$
 $\Rightarrow a_{1} = a_{1}^{(n)} + a_{1}^{(e)} = 3^{n} + 3 \cdot 2^{n} + y \cdot 7^{n}$
 $\Rightarrow a_{2} = (a \cdot 7^{2} + 5 \cdot 100 + 6 \cdot 20 = 674$

-> n=0: α+β+ η= 20 n=1: 3α+2β+ γη= 100 n=2: 9α+4β+ 49η=674

wy beloved

-> a= -13.5, B=18.8, 8=14.7