从Fibonacc	i 序列谈起 Date 2019105120	
定义	$F_0 = 0$, $F_1 = 1$, $F_n = F_{n-1} + F_{n-2}$ (n>1).	
直接等下。	进代即开完成, 耗时(11). 如何节约空间:	?
连日等 Fn	直接接定义算运行时间是 〇(夕), 指数时间!	
		/ F.\
矩阵形式	考虑 (Fn+1) = (1/) (Fn) = (1/) (fn-1) = ··· = (1/) (fn-1) = ··· = (1/0) ((F.)
	$A^n \rightarrow A^{n/2}$ $\%$ $n \gg e^{-(h)}$ $3^n \gg e^{-(h)}$ 3^n	
	问题在于函数上回信是 2×2 矩阵,开始压是有点	
序偶形式	$A^{2m} = F_{m+1} = F_{m+1}^{2} + F_{m+1}^{2}$	
	Fib 到数 Fib(n) > (Fn+1) 用 Fib(n/2) 遂))3	
	$(r, \frac{1}{2}) = ((2F_t + F_{t+1}) F_{t+1}) + (F_t) + (2F_t + F_{t+1}) + (2F_t + F_t + F_t$	2
	依然保证为O(logn)对数时间,但绝回值只有2个基	½!
1 7	Std:: pair < wint 64 t, wint 64 t> Fib (size t n)	
仪码	{ if (n > 0)	
	$\begin{cases} a_{1} + b_{2} & DE = F_{2} + b_{1} & DE = F_{2} + b_{2} & DE = F_{2} + b_{1} & DE = F_{2} + b_{2} & DE = F_{2} + b_{1} & DE = F_{2} + b_{2} & DE = F_{2} + b_{1} & DE = F_{2} + b_{2} & DE = F_{2}$	
	auto to = PF. first; auto t1 = PF. second;	
	if $(n\%2 = = 1)$ return { to x to + t1 x t1, (2 x to + t1) x t	1);
	else return {(2 x t/-t0) x to, to x to + t1 x t	1};
	return to, ty;	
)) Le la	-
SUMMARY	人生之路, 算法指南@算法时	空