```
S 9n+1 = Pn+1 - ao pn+1 = Pn+1 - ao 9n+1
 p'_{n+1} = q_{n+1} (unggangus)

Morga q_{n+1} = p'_{n+1} = q_{n+1} p'_n + p'_{n-1} = q_{n+1} q_n + q_{n-1}
  Утв. для дпи доказано
   Pn+1 = ao pn+1 + 9n+1 = appght ao (an+1 pn + pn-1) + an+1 9n + 9n-1 =
   = an+, (aopn + gn) + (aopn-, + gn-,) = an+, pn + pn-1
              Pn to (**)
                              Pn-1 no (**)
   Rependueur eug paz nongreektore
                                            commounting
  Spn = anpn-1 + pn-2
  ( 9n = an 9n-1 + 9n-2
   Mongreum reckonsko aleganisati:
 Следствие 1. (унитожаем первое из двух слапаемой)
 Spn. 9n-1 = anpn-19n-1 + pn-29n-1
  ) 9n. pn-1 = an 9n-1 pn-1 + 9n-2 pn-1
    Bourieur un beparseno pal-ba muxuel:
    pn. 9n-1 - 9npn-1 = pn-29n-1 - 9n-2pn-1
         0003 rearense 370 - B(n-1)
areganbre 2
             B(n) = -B(n-1) a m.k. Base B(1) = 1 , mo B(n) = (-1) (nerko upobepato)
             p_n q_{n-1} - q_n p_{n-1} = (-1)^{n+1} = (-1)^{n-1}
   Cuegembre 3 (yourroxaem Bropo e cianaemol)
  5 pn 9n-2 = an pn-19n-2 + pn-29n-2
     ( 9n pn-2 = an qn-1 pn-2 + 9n-2pn-2
```

		o pal-ba		
		an (pn-19n-2	$= a_{n} (-1)^{n}$	
Marxe	nepenume su cuegos 6	pab-ba u	3 avegerbus 2	- u
Pn - P	$\frac{1}{2^{n-1}} = \frac{(-1)^{n-1}}{9^n}$	(aneger B	ne e)	
			getbue 3)	
Ynbep*ge	mue 1.	logxoganque	gpodu necou	
			$(p_n;q_n)=$	
Jonbep*	genue 2. Te	music nogrogs	usue graci é yortbacor	Pozpacianos
V	nbep*genue	вытекает	$\frac{\rho_0}{q_0}$ $\frac{\rho_2}{q_2}$	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
repez c		записанного 9n(-1) ⁿ 9n9n-2	уг (=> оналогико	
		rapez wente		
cywectby	et beckoner , runo d-	the sitted !	L€ R\Q guirnex necoupation	gpoden p
		$\frac{1}{92n-1} = \frac{92n-1}{92n-1} = \frac{1}{92n-1}$	$\frac{1}{9^{2n}} \leq \frac{1}{9^{2n-1}}$	

