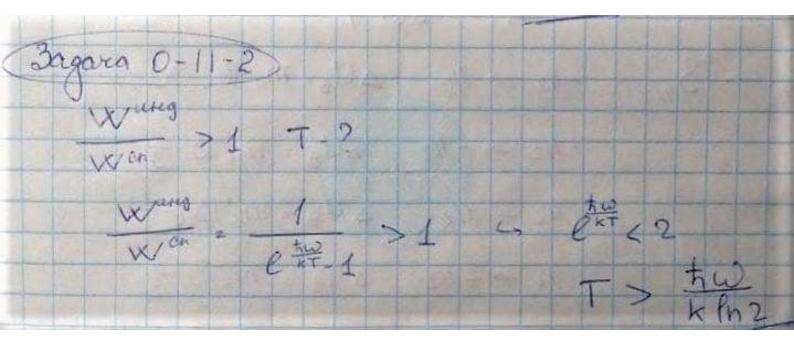
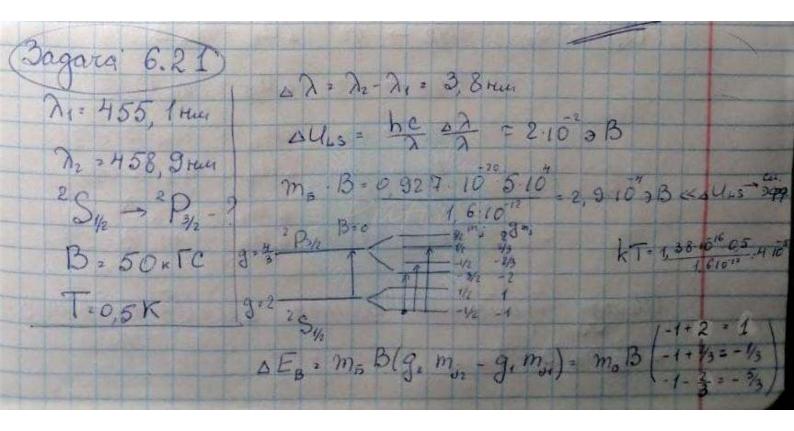
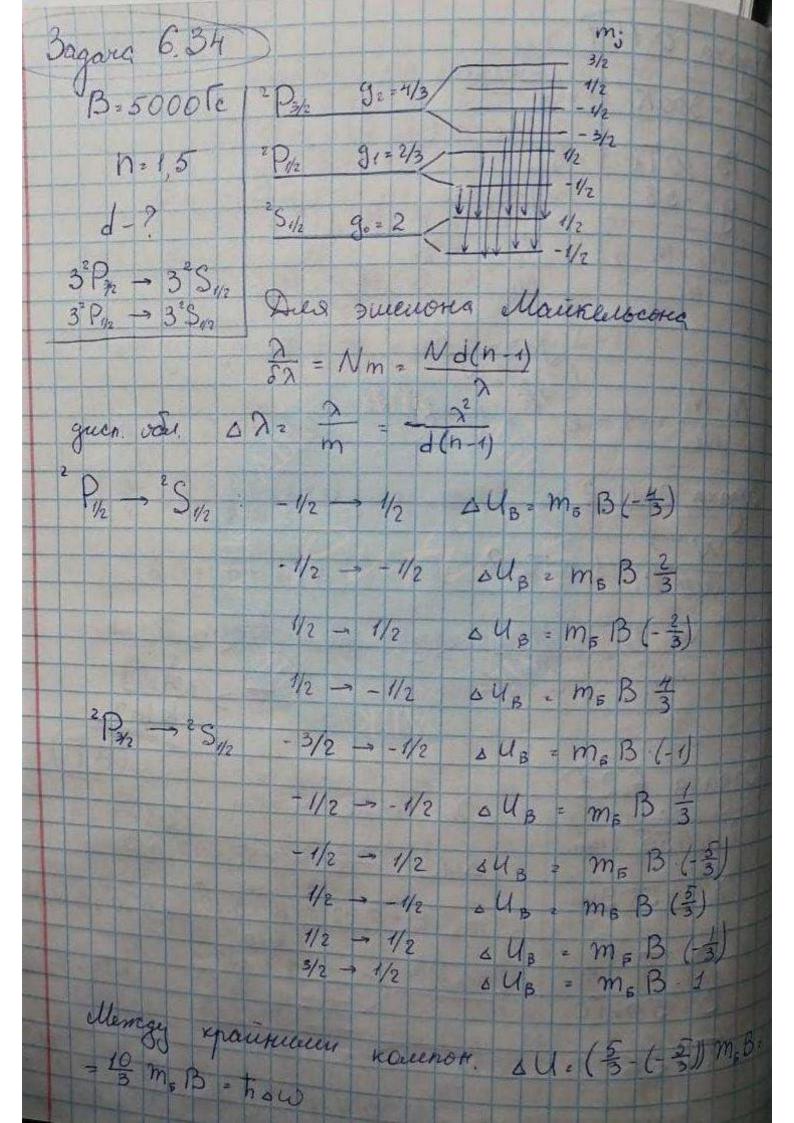
Bagara 0-11-1		-
T = 300K	Theretey 3H no nauto	
	U,=-(ji B)=-JB	
B=10TA g=3,8	Tyrorub: 42 = - (JuB)= JuB	
N, - N2 9		-
. Ni	$\frac{N_2}{N_1} = e^{-\frac{2N}{KT}} = e^{-\frac{2N}{KT}}$	A 40.4
	M=-gmsJ=-gmsmj=-gms	THE PERSON NAMED IN
N1-N2 = 1	e 2 th = 1 - è 8 maB ≈ 0,017	
N ₄		-

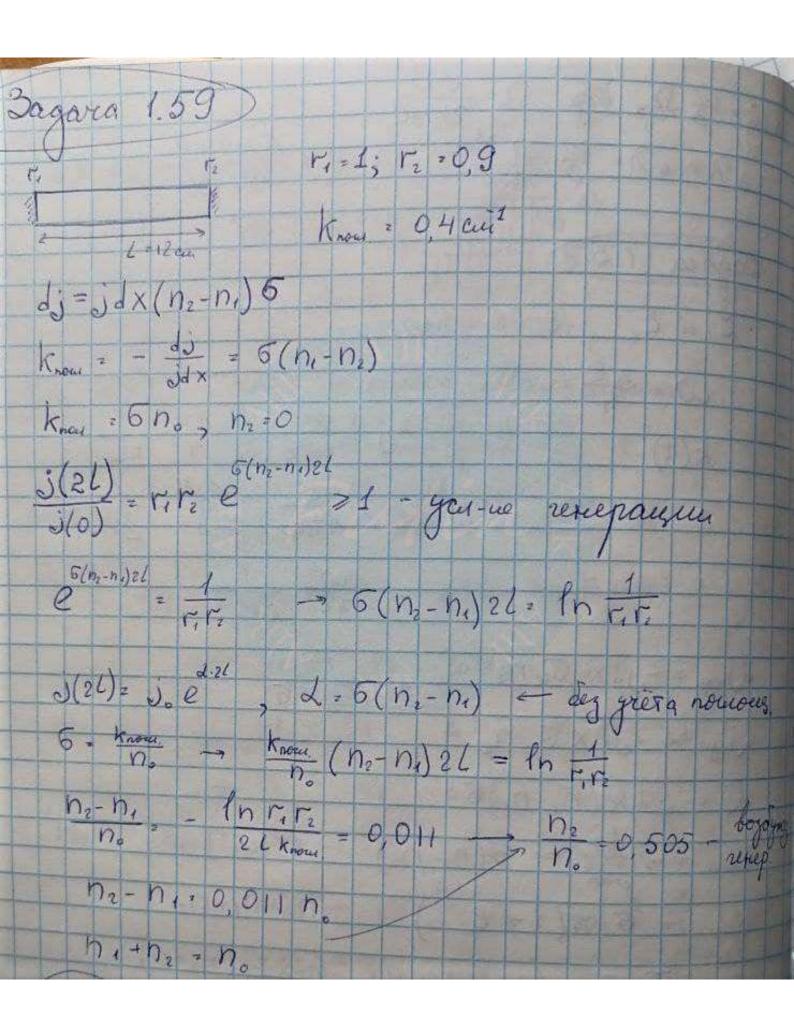


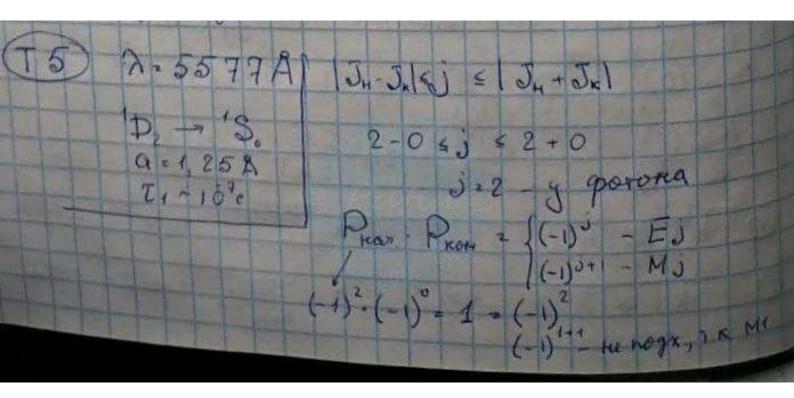




 $\Delta \omega = \frac{10}{3} \Omega, \quad \text{ige} \quad \Omega = \frac{e B}{2meC}$ $\Delta \lambda = \Delta \lambda = \frac{10}{3} \Omega \lambda \quad \Rightarrow \quad \Delta \delta \quad \frac{6\pi \text{ meC}}{5eB(n-1)} \approx 2.6 \text{ cm}$

Dagara 1,57) €14 €, €, - €, = hω W * AE i [9007.] = eg 1 = 4 tow = $k(\tau)$ -? d)row = - Jax 612 M1 5,2 = 62, = 6 djugu = + Jd X 52, 12 dj = jd x (n,-n,)6 Know = - di = 5(n_1-n_2) [cuit] Know = 5 n1 (1- 8 m) no = 11+ n2 npu T=0 bee avoices brugg (n2=0) Know (0) = 6 n. = 6 (n, + n2) = 6 n. (1+ ext) Knew (0) = 1-e mt - th to - th 3 1 KT >> HW , X41 C Know (T) = X = X = 1 W (1) kT « th (1) , x » 1 () know (1) = 1-2 e → 1





θ επαίτας ταιόκο Ε2 β ερ-από περιέχ. Ε2 β $(π)^2 = (5777)^2 = 5 \cdot 10^5$ μας μεπότιε β ερ-επι guraiorio περιέχ. $ε = ε_1 \cdot 5 \cdot 10^5 = 10^7 \cdot 5 \cdot 10^5 = 0,05c$

