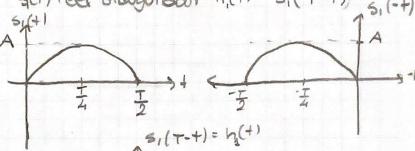
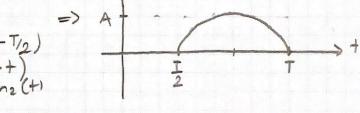
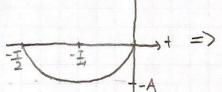
$$S_{1}(H) = \begin{cases} A. \sin\left(\frac{2\alpha t}{T}\right), 0 \le t \le T/2 \end{cases}$$
 $S_{2}(H) = -S_{1}(H - T/2)$ 
 $S_{3}(H) = -S_{1}(H - T/2)$ 

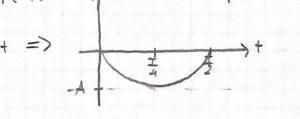
$$P_b = Q\left(\frac{a_1 - a_2}{2N_0}\right)$$



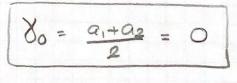
$$h_2(+) = 6_2(T-+) = -6_1(T-+-T/2)$$
  
 $5_2(T-+) = -6_1(T/2-+)$   
 $\gamma - 6_1(-+)$   $\gamma h_2(+)$ 







h(+) = h,(+) - h2(+) (vist viste binne olmodigladen toplandbille.)



$$A = A^2 T$$

$$E_h = A^2 T$$

$$P_{S_{1}} = \frac{A^{2}}{2} \cdot \frac{T}{2} \cdot \frac{A^{2}_{1}T}{A}$$

$$P_{S_{2}} = \frac{A^{2}_{2} \cdot \frac{T}{2}}{2} \cdot \frac{A^{2}_{1}T}{A}$$

$$P_{S_{3}} = \frac{A^{2}_{1}T}{2} \cdot \frac{T}{A}$$

$$P_{S_{4}} = \frac{A^{2}_{1}T}{2} \cdot \frac{A^{2}_{1}T}{A}$$

$$P_{S_{5}} = \frac{A^{2}_{1}T}{2} \cdot \frac{T}{A}$$

$$P_{S_{5}} = \frac{A^{2}_{1}T}{2} \cdot \frac{A^{2}_{1}T}{A}$$

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$$P_{S_{5}} = \frac{A^{2}_{1}T}{A} \cdot \frac{A^{2}_{$$

$$E_b = \frac{A^2T}{4} = 1$$
 ice

 $a_1 = \frac{A^2T}{4}$  ve  $a_2 = -\frac{A^2T}{4}$  de "1" olur.

 $c_0^2 = \frac{N_0}{2}$ .  $E_h = \frac{N_0}{2}$ .  $\frac{A^2T}{2} = \frac{N_0A^2T}{4}$ 

En 'yi bulmustuk

$$P_{b} = Q\left(\frac{a_{1} - a_{2}}{2\sigma_{o}}\right) = Q\left(\frac{\frac{A^{2T}}{4} - \left(-\frac{A^{2T}}{4}\right)}{2 \cdot \frac{A}{2} \sqrt{N_{o}T'}}\right) = Q\left(\frac{A^{2T}}{4 N_{o}}\right)$$

$$P_b = Q\left(\frac{E_b}{N_o}\right)$$
 $E_b = 2 igin$ 
 $P_b = Q\left(\frac{1}{N_o}\right)$ 

b) 
$$P(1) = \frac{1}{4}$$
,  $P(0) = \frac{3}{4}$ 

sincoold is one ting gives

 $C_0^2 = \frac{N_0}{2} \cdot E_h$ 
 $E_h = \int_0^1 -A \sin\left(\frac{2\pi t}{T}\right) dt = \frac{A^2 \cdot T}{2}$ 

every  $t = t$ 
 $V_0 = \frac{N_0 \cdot A^2 \cdot T}{4}$ 
 $V_0 = \frac{N_0 \cdot A^2 \cdot T}{4}$