```
(43) kjumepuis Dapsy unmerpupye eucemu gouis.
       Ong. ryomo f(x) onpa u orpaseurena ma [a;6]. Torga
                                            Ix = sup ST - Munchuis Dapoy
                                            I*=inf ST-bepxnusi usemerpan Dapiy.
                                                         \forall T S_T \leq I_* \leq I^* \leq S_T
meopeura knumenui Dapsy un merponpyeureru grun.

Tyomo f(x) enp-a u orpanumena ma Eq, 67

Torga f(x) \in R, m. e. \int_{0}^{\infty} f(x) dx \in \mathcal{F} \int_{0}^{\infty} f(x) dx \in \mathcal{F} \int_{0}^{\infty} f(x) dx \in \mathcal{F}
                                                                    E> Ix = I*, I = fleydx
                    D-bo! 1) heorogunomi, Flim I(f,T)=I, IeR m.e.
                                                                                                                  VE>0 35>0, V payouenune T panna 2 28 / I(4,T)-I/2
                                                                                                                  I - \frac{\varepsilon}{2} \angle I(4,T) \angle I + \frac{\varepsilon}{2} \Rightarrow I - \varepsilon \angle I - \frac{\varepsilon}{3}, \varepsilon S_{T} \leq 
                                                                                                                         ∠I+ € ∠ €+I >>
                                                                                                                    => Jams= I u Flim ST= I => 
nt >0
                        \exists \text{ Flim}(S_{7}-S_{7})=0 \Rightarrow \tilde{I}=\tilde{I}_{\star}=\tilde{I} 
 \eta_{7}>0 \qquad \text{ Pyom6} \quad \exists \text{ lim}(S_{7}-S_{7})=0 
 2) Deemamoroooms. Pyom6 \eta_{7}>0 \qquad \qquad \eta_{7}>0
                                                                            S_{\tau} \in I_{\star} \in I^{\star} \subseteq S_{\tau} 0 \leq I^{\star} = I_{\star} \leq S_{\tau} \Rightarrow I^{\star} = I_{\star} = 
                                                         Torga S_T \leq \overline{I}(f,T) \leq S_T (unemerpauson cynner Punasia
                                                                uencam elencgy)
                                                                             I: S_T - I \leq I(4,T) - I \leq S_T - I nowywer, T = S_T - S_T > S_T
                                                                                                                     =7 Flim I(AT)=I., fer [9,6]
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