```
42) Choiremba unemerparaneur cymus Dapby.
       Onj. Myomo f(x) onpeg-a u ospanierena na [a, 6]

thousbegen payoneme T' a=xo<x12...4xn=6 payoneme
                           empigna [a;b].

Oboznianien repez m_k = inf f(x) l(k) = sup f(x)

x \in [x_{k-1}; x_k] x \in [x_{k-1}; x_k]
          1) S_T = \sum_{k=1}^{N} m_k \Delta X_k = m_k \Delta X_1 + \dots + m_k \Delta X_n - n u mesures usemer p. cyunea Dapsy.
       2) S_7 = \sum_{k=1}^n l_k \Delta X_k = l_k \Delta X_1 + ... + l_k \Delta X_N - bepxmer uniterp cyurulu Dapsy. coembement. pagsuemus <math>T.
3aux: 1) Capaciegnuso nep-bo: S_7 \leq I(4,T) \leq S_7 (\forall \xi_1...\xi_n)
                   m_{K} \Delta X_{k} \leq H_{\frac{2}{3}k} \Delta X_{k} \leq llm \Delta X_{k} \geq \sum_{k=1}^{n} m_{k} \Delta X_{k} \leq \sum_{k=1}^{n} M_{k} \Delta X_{k} \geq \sum_{k=1}^{n} M_{k} \Delta X_{k} \leq \sum_{
  Four. T_2 paguent revene pagonernus T_1

Torga. 1) S_{T_1} \leq S_{T_2} rumsum longaemaem

2) S_{T_2} \leq S_{T_1} bepxens ymensumaerce
            D-60: T1: a=x0< x1 L... < xn=6
                                                 Ta: azkokx12... Xxx1 Xxxx Xxxx... Xxn=6
                                                   T_2 = T_1 \cup \{x'\}, \Delta X_k = X_k - X_{k-1}, \Delta X_1' = x - X_1
                                                                                                                                                                                                                          DXK = XE-X
             1) STI = MIDXI + ... + MRDXR+ ... + MRDXN
                     STa = m_1 \Delta x_1 + ... + m_k \Delta x_k + m_k \Delta x_k + ... + m_n \Delta x_n

m_k' = inf f(x) \ge m_k = inf f(x) m_k'' \ge m_k

x \in [x_{k-1}, x']
                                    Torga mk sx, + mksx, > mk (sx, + sx, ) = mksxk
                                        => ST1 <5 Te . AM-HO STR = ST1
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