```
(3) f(n) - jabueur om n nepun
                                6- ENJUE MY BELY HE SOME YEAR 4- MEETHON IN YOUR
                                 40181 67
                      Peruenue: 4 mae n = 22+20 = 42.
                                             Byquu quicholar, can brecheur nynanola,
                                                   A napamepor xul: 8 vouye nepe dop no ne 14; 427 18 esti 23 openaem
                                                      и вабереш те, котроге мининум доставать
                               Смачала велошим, за сполоко операция ил мошем вочистья
                                     be nourcesuryus or 2. The connemna 11.1 reach 191)
                               Denum see repensemen nononam, re bornemen see rousionaque or
                                  x_1 \cdot x_{\frac{1}{2}}, x_{\frac{1}{2}} = \frac{1}{2} \cdot x_{\frac{1}{2}} = \frac{1} \cdot x_{\frac{1}{2}} = \frac{1}{2} \cdot x_{\frac{1}{2}} = \frac{1}{2} \cdot x_{\frac{1}{2}} 
                                                                                     - Tanux Kowownkywi
                                or x_{\underline{k}+1} x_{\underline{k}} in norm the representation bee referred 2^{\frac{k}{2}} \cdot 2^{\frac{k}{2}} = 2^{k} orth.
                                       => beno 2. K. 2 K/2 + 2 K = K.2 K/2 + 2 K
                    Темерь по петору пупамово сначала парпомин думов по первам
                  К переменням, а поки кашрую у понученных дочно разовоем на г та
                    Mycornob ( Mas 1), uge m - Bo depende neperoport norm.
                   => f(x1 ... xn) = V f(61 ... 6k, xkn ... xn) R161 ... xk = V f61 ... 6k ( xkn ... xn) x, 61 ... xk =
                       = V 2,61 200 (V fo,: (xe+1 xu))
         Crema s, - bornemeet bee men rousionmum beiga ser sa.
                            Ma 40 Mago = K. 2 K12 + 2 K onepayous
        Exerca Se - borucpaer bee men. Kontoprayun or sen. . In
                      Ma mo mago = (n-K). 2 = + 2 " - confaquer
     Creua S3 corepaer expering by in mem. consideraques creneum n-k/konfire bornemena S2)
                Ma mio mago 2 m. m. 2 n-k+1 = 2 n-k+m+1
 Crowces I won to come opious noncer noncer restruyer, up = 2 m-12 pyour le compaer charaleure - aportus Tashuyer, up = 2 m pyour services
             Ma muo mago \leq 2^k. \lceil \frac{2^{n-k}}{m} \rceil \leq \frac{2^n}{m} + \binom{2^k}{m} \leftarrow ja exis years reen
                                                         chox m que opuer espora
CXEMIL 85 YMURIURET 8 YULL LY EXCHOR 83 MA MEN. ROMOGOTHYJILLY LY CXEMOR ST.
          mo 2 konsonatur a 2 dal granatur => 7188) = 5.5 x.
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=> (15) = K.2 K/2 + 2 K + (n-K). 2 = + 2 n-K + 2 n-K+M+1 + 2 n + 2 K + 2.2 K = = 4.2 k + 2 n-k + K.2 x/2 + (n-k). 2 = + 2 n + 2 n-k+m+1. y mae n = 42 =42 «K \(\in \( \) \( where camex guarentees nonamethol USI noughtures nemente bein. humen nhahamny na pymon: (им на си, полому что в пили 2" не воето во вороже) 01v= 4x2xxx0+2xx (n-ko)+ K0x2 xx (x0/2)+ (n-ko) x2 xx ((n-ko)/2)+ (2xx n) (mo +2xx (n-ko+m0+1) for Kin range (1, n+s): for in in range 11, 2\*\*(n-k)): 0+v-ten = 4 \* 2 \* \* k + 2 \* \* (n-k) + K \* 2 \* \* (K/2) + (n-k) \* 2 × \* ((n-k)/2) + (2 \* \* n) /m + + 2 \* \* (n - K + M +1) if ( otv-tex cotv): print (K. m. otv-teu) Otv= otv-tek. hhorpanna bogana K = 32 Otv= 2255 81250390. 26086. Otv = 1.10 12  $\frac{3an}{n} = \frac{2^{42}}{42} \approx \frac{4^{10}}{42} \approx \frac{4 \cdot (0^3)^4}{42} = \frac{4 \cdot (0^{12})^4}{42} \approx 10^{11}$  hy norm openiorios

3am. Eenu n=20, n=13 m=7 otv = 216716.39307195874  $ctv_{2} = 2.10^{5}$   $4\frac{2}{n} = \frac{2^{10}}{20} \approx \frac{10^{3}}{20} = \frac{1}{2} \cdot 10^{2}$  touth sometime paymy a. touth

