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<h1 align="center">????? 2.◆?????????????? ??????????
 ??????? ?????????</h1> ???????? ?????? ???????????????? ?????????? ?????? ?????????. ?????? ? ??????? ?????, ? ????? ????? ?? ?????????. ???? ???? - ??????????????????? ??????? ?????????? ?????????? ????????? ?????. ?? ????? ?????????? ????????? ? ???? ????-????? ??? ????????? ?? ?? ??????????. <h2>2.1. ???????? ? ??????????????? ?????????</h2> ?????? 2.1. ?????????? ????? ? ??????? ??????? ??????????? ???????? ? ???????? ???????? ????????? ? ???????. ????: R - ?????? ????????? ????????; H - ?????? ????????. ????? S - ??????? ??????? ??????????? ? V - ????? ????????. ?????????????? ??????: V = ? R² ? H; S = 2 ? ??R?H, ??? ◆? = 3,14. ???????. ?????? - ?????????? ? ???????? ? ?????????????? ????????? ???????? ????????? ? ??????????? ??????????? ?????????????? ??????. ?????? 2.2. ????????? ???????? ??????? ????: x, a, b, c - ??????????? ?????. ?????: y. ???????. ?????????? ?????? ?????????? ??? ??? ???????? ?????????? x ???????? ???????????, ?? ???????? ????? ????????? ? ????? ?? ???? ??????????. ??????? ??? ??????? ?????? ?????????? ????????? ??? ???????. ???????? ????????? ?? ??????????: <table border="0" cellspacing="0" cellpadding="0"> <tr> <td width="312" valign="top"> ???? a, b, c, x ???? x < 10 ◆ ?? y = x + a ◆ ????? </td> <td width="360" valign="top"> ???? (x ? 10) ? (x ? 20) ◆◆◆ ?? y = x+ b ◆◆◆ ????? y = x + c ??? ???? </td> </tr> </table> ???????? ???????? ??? ?????????? ????????? ???????? ??????. ?????, ???????? a = 2, b = 3, c = 4.   <table border="1" cellspacing="0" cellpadding="0"> <tr> <td width="50" valign="top"> ? </td> <td width="480" valign="top"> ?????????? ????????? </td> <td width="107" valign="top"> y </td> </tr> <tr> <td width="50" valign="top"> 5 </td> <td width="480" valign="top"> 5 < 10? ??; y = 5 + 2 = 7 </td> <td width="107" valign="top"> 7 </td> </tr> <tr> <td width="50" valign="top"> 10 </td> <td width="480" valign="top"> 10 < 10? ???; (10?10) ? (10? 20)? ??; y = 10 + 3 = 13 </td> <td width="107" valign="top"> 13 </td> </tr> <tr> <td width="50" valign="top"> 25 </td> <td width="480" valign="top"> 25 < 10? ???; (25?10) ? (25? 20)? ???; y = 25 + 4 = 29 </td> <td width="107" valign="top"> 29 </td> </tr> </table> ?????? 2.3. ?????????? ????????? ? ?????? ????????? ????? ????????? ?? ???? ???????? ?????. ????: ?????????? ????? ? (?_?, y_A), ? (x_B, y_B) ? ?(x_?,

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y_?). ????? ?????, ????????? ? ?????? ?????????. ????????????? ??????: ????????? ?????????? ????? ??????? ????????? ? ??????? ?, ? ? ?. 1.**????** ?????????? ??: 2.**????** ?????????? ??: 3.**????** ?????????? ??: ?????????? ???????? S_a, S_b ? S_c ? ?????????? ?????????? ?? ????????. ??? ?????????? ????? ??????????? ???. ???????. ?? ???????? ???????? ????????? ?? ??????????????? ?????, ???????, ?? ??? ??????, ???????? ????????? ????????. ???????? ?????????. { ???? ????????? ????? ? ???????????? ??? ???????????} ????? **"??????? ?????????? ????? ?" ???? xA; **???? yA ????? "??????? ?????????? ????? B" ???? xB; ???? yB ????? "??????? ?????????? ????? C" ???? xC; ???? yC {?????????? ?????????? } Sa = sqrt(sqr(xA) + sqr(yA)) Sb = sqrt(sqr(xB) + sqr(yB)) Sc = sqrt(sqr(xCA) + sqr(yC)) {??????????? ??????????? ??????????} ???? (Sa < Sb) ? (Sa < Sc) **** ?? ????? "????? ? ????????? ? ?????? ?????????" **** ????? **????(Sb < Sc) ********** ********* ?? ????? "????? ? ????????? ? ?????? ?????????" ********** ********* ????? ????? "????? ? ????????? ? ?????? ?????????"; ********************** ??? ???? ??? ???? ?????? 2.4. ????????? ??????????? ???? ????????? ?????? ?????????????? ?????. ????: Number - ?????????????? ????? ?????. ?????????? ? - ??????????? ???? ?????. ???????. ??? ??????????? ????????????? ??????????. ????????? i - ?????? ????? ?????; k - ?????? ????? ?????; n - ?????? ????? ?????; m - ????????? ????? ?????. ???????? ????? ????? ???? ??? ????????????, ??? ? ????????????. ??????? ????? ?????????? ???? ?????, ??????? ??? ??????. ???????? ???????? ????????. ???? ??????**** ????? ??? ????????, ????????. ? ????????? ?????????? ???????? div ??? ?????????? ???????? ?? ??????? ? ???????? ? mod - ??? ?????????? ??????? ?? ???????. Number = abs(Number) ********** {?????????? ?????? ?????} i = Number div 1000 ********** ********* {?????? ????? ?????} k = Number div 100 mod 10 **** {?????? ?????} n = Number div 10 mod 10 ****** ********* {?????? ?????} m = Number mod 10********** ********* {????????? ?????} P = i * k * n* m ????? "??????????? ???? ?????**** ", Number, **"??????**** ", P ???? <table border="1" cellspacing="0" cellpadding="0"> <tr> <td width="84"> ? ????? </td> <td width="218" valign="top"> ???????????
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src="file:///C:/DOCUME%7E1/able/LOCALS%7E1/Temp/msohtmlclip1/01/clip_image012.gif" border="0" width="254" height="43" /> ?) d = 0, ????? ????????? ????? ? ??????????? ?? ???????
src="file:///C:/DOCUME%7E1/able/LOCALS%7E1/Temp/msohtmlclip1/01/clip_image014.gif" border="0" width="91" height="48" /> ?) d < 0, ????? ????????? ?? ????? ?????????????? ??????. ??? ?????????? ????? ??????????? ???. ???????. ????-????? ?????????
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b2, c2 ???? (a1 = 0 ? b1 = 0) ??? (a2 = 0 ? b2 = 0)
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b2*a1) y = (c2*a1 - c1*a2)/(b1*a2 - b2*a1) ????? "?????? ??????????? ?
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  y = 1,25 </td> </tr> </table> <hr title="2.2. ?????????, ??????????? ?????????????? ????" class="system-pagebreak" /><h2>2.2. ?????????, ??????????? ?????????????? ????</h2> ?????????????? ???? ???????? ????? ?? ???????? ????? ???????????? ????????? ?????. ?? ??????????? ? ??? ???????, ? ??????? ?? ?????????? ????????? ???????? ?????????? ?????????? ?????. ?????? 2.7. ????? ?₀ = 1; ?_k = k&#65533;?&#65533;a_k₋₁&#65533;+&#65533;1/k, k&#65533;=&#65533;1,2, ... ???? ??????????? ????? n. ???????? ?_n. ????: ?₀&#65533;-&#65533;?????? ???? ??????????????????; n&#65533;-&#65533;????? ????? ??????????????????, ???????? ???????? ????????? ?????. ?????: ?_n - n-? ???? ??????????????????. ?????????????? ??????. ?????????, ??? ?????????? ???????? ????? ?????????????????? ??? ????????? ???????? k.&#65533; ??? k = 1 ?₁ = 1&#65533;?&#65533;a₀&#65533;+&#65533;1. ??? k = 2 ?₂&#65533;=&#65533;2&#65533;?&#65533;a₁&#65533;+&#65533;1/2. ??? k = 3 ?₃ = 3&#65533;?&#65533;a₂&#65533;+&#65533;1/3. ???????? ????????? ?????????? n ???, ??????? ??????? ????????

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?_n. ? ??????? ?????? ???? ?? ????????? ??????? ?????????? ?????????? ?? ?????? ????. ??????? ???????????? ??????? ??????????????. ????????? ????? a - ??????????? ???? ??????????????????. ????? ??????? ??? ?????????? ????? ????????? ???: ? = k ? a + 1/k. ?????????? ? - ????????????? ????; ?????????? k ? n - ?????? ????. ???????. ???????? ????-????? ????????? ? ???????? ?????????. <table border="0" cellspacing="0" cellpadding="0"> <tr> <td width="192" valign="top"> src="file:///C:/DOCUME%7E1/able/LOCALS%7E1/Temp/msohtmlclip1/01/clip_image022.jpg" border="0" width="151" height="240" /> </td> <td width="372" valign="top">   ???? a, n   a = 1 ?? ??? k ?? 1 ?? n ???? ? = k*a+1/k ??   ????? ?   </td> </tr> </table> ?????? 2.8. ???? ??????????? ????? n, ?????????????? ????? ?. ?????????: src="file:///C:/DOCUME%7E1/able/LOCALS%7E1/Temp/msohtmlclip1/01/clip_image024.gif" border="0" width="67" height="56" /> ????: n - ?????????? ?????? ?????????????????; x - ?????????????? ?????. ????? S - ????? ?????. ??????????????? ??????. ????????? ? - ?????????. ????????? ???????? S=0. ?????????? ????????? ???????? ? ????? n. ????????????, ????? ??????????? ?????????????? ????. ??????? ??????????? ??????????, ??????????? ???????, ?? ??????? ??????????? ????????? ?? ????????? ???? ?????????? ?????. ????????, ??? ????????? ????? n ??????????? ??? ??????????? ????? ?? 1 ?? n ???????????. ????????????, i! = 1 ?2 ⋯3 ?4 ⋯?i, ?? ??????????? 0! = 1, 1! = 1. ??? ?????? ???????????? ?????????? ???????? ????????? ????????. i = 1,⋯ c = x¹/1! = x; i = 2,⋯ c = x²/2! = x²/(1?2) = c?x/2 = c ?x/i; i = 3,⋯ c = x³/3! = x³/(1?2?3) = c ?x/3 = c ?x/i; i = 4,⋯ c = x⁴/4! = x⁴/(1?2?3?4) = c ?x/4 = c ?x/i. ? ?????? ????? ???? ?????? ???????? ? ????? ????????, ??????????? ?? ?????????? ????. ????, ???????? ????????? ??????????, ??????? ????? ??????????? ? ?????????: ? = c ?x/i, ??? ????????? ???????? ? = 1, i = 1, 2, ..., n. ?????????? i, n - ?????? ????, ?????????? c, x, S - ???????????? ????.   ??????? <table border="0" cellspacing="0" cellpadding="0"> <tr> <td width="216" valign="top"> [illegible]src="file:///C:/DOCUME%7E1/able/LOCALS%7E1/Temp/msohtmlclip1/01/clip_image026.jpg" border="0" width="159" height="230" /> </td> <td width="443" valign="top"> ???? x,

n   S = 0, c = 1 ?? ??? i ?? 1 ?? n ••• ? = ? * x / i ••• S = S + c ??   ••••• ????? S </td> </tr> </table> ? ???? ????? ????? ???? ????? ?????????????? ??????????? - ????????, ??????????????, ? ????? ?????? ???????????. ???????? ???????? ??????????? ?????????, ? ??????? ??????????? ?????????. ?????? 2.9. ????????? ???????? ??????? ??? ? = -1; -0,9; -0,8; ...; 0,8; 0,9; 1. ????: ? = -1; -0,9; -0,8; ...; 0,8; 0,9; 1. ????? ???????? y ??? ??????? ???????? ?. ??????? ????????? ???????? ?????????? ? = -1, ??? ????????? ????? 0,1. ???????????? ?????????????? ?????? ? ????????? ????????? ????????? ????? ?? ??????? n = (?_{???} - ?_{???})/??? + 1 = (1 - (-1))/0,1 + 1 = 21. ????????? ???????? ????? ?????? i. ???????? ????????? ???????? ?? 1 ?? 21 ? ????? 1. ? ????? ? ??????????? ?? ????????? ???????? ??????? ????????? ???????? ????????? y ? ???????? ?????? ????????? ????????. <hr title="2.3. ????????, ??????????? ??????????? ???? " class="system-pagebreak" /><h2>2.3. ????????, ??????????? ??????????? ???? </h2> ?????? 2.10. ???? ?????????????? ????? x, e (x ? 0, e > 0). ????????? ? ????????? e: . ?????????????? ??????. ??????? ??????????? ???????????, ????????? ??????,• ????????? ? ??????? 2.8. ????? ? - ????????, S - ????? ????????? ??????????? ????? ? ???????? ????????? e ????????, ??? ????????? ???????? ??????????, ????? ????????? ????? ????????? ?????? ????????? ? ????????? ????????? ????????? ?? ?????? ??????, ??? e, - ??? ? ??? ??????????? ????????? ????? ?? ?????????. ??? ????????? ????????? ????? ????? ?????????????? ???????? p•=•p•?•k, ??????? ?? ?????? ?????. ????????? ???????? p = 1. ????????? ??????????? ???? ???????, ?????????????? ???????? ???????? k! ??????? ????? ??????? ??? ????????? •??????????. k = 0,•••• ? = x⁰/ 2⁰ = 1; k = 1,•••• ? = x¹/ 2¹ = x/ 2; k = 2,•••• ? = x²/ 2² = (x/ 2) ? (x/•2) = ? ?x/•2; k = 3,•••• ? = x³/ 2³ = (x²/•4) (x/ 2) = ? ?x/•2; k = 4,•••• ? = x⁴/ 2⁴ = (x³/ 8) (x/ 2) = ? ?x/•2. ???????, ??? ?????????????? ???????? k ????? ???????? ????? ???????: c•=•?•?x/2, ???

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???????? ?????????? ? ? ?????? ????? ??????? ??????????? ?? ?????????? ????. ????????? ???????? ? =1 ??? k = 0. ? ??????? ?? ??????? 2.8 ? ?????? ?????? ??????? ??????????? ???? ? ????????????, ?.?. ?????????? ????????? ????? ???????? ?? ?????????? ???????? x ? ????????? ???????? ?????????? e. ?????????? k - ?????? ????, ?????????? x, e, c, S - ????????????? ????. ?????????? p ??????? ????? ???????????? ????, ?.?. ???????? ????? ????? ?????????, ? ????????? ?????? ?????????? ? ?????? ???????? k. ??????? ???? x, e p = 1,□ c = 1, S =1 k =1 ???? ?/k > e ????????? ?? □□□ ? = ? * x/2 □□□ S = S + c/p □□□ k = k + 1 ?? ????? S ?????? 2.11. ????????? ????? ????????? ?????????????????? ?????????? ???? ? ????????? e: S = 1 - x/1! + x²/2! - x³/3! + ... + (-1)ⁿxⁿ/n! ????: x, e - ?????????? ???????????? ????. ????? S ? ???????? ????????? e. ????????????? ??????. ??????? ??????????? ??????????. ??????????? ?????? ???????????, ??? ???????? ?????????????????? ??????????, ???? ????????? ????????? ?????? ???????? ???????? ??????????. ??? ?????? ????????? ?????? ?????? ???????? ??????????, ??????????? ????????????. ????? ??????????? ?? ???????: ????? = ????? + ?????????. ????????? ????? ??? ??????????. ????????? ?1 - ????????, ? - ????????, ? F - ??????????? ????? ??????????????????. ?? ??? ???????????? ????????? ?????????? ??????????? ? ??????????. ?????????? ?? ??? ?????????? ???????. <table border="1" cellspacing="0" cellpadding="0"> <tr> <td width="33" valign="top"> n </td> <td valign="top"> P </td> <td width="177" valign="top"> F </td> <td width="258" valign="top"> P1 </td> </tr> <tr> <td width="33" valign="top"> 1 </td> <td valign="top"> P = -x </td> <td width="177" valign="top"> F = 1! = 1 </td> <td width="258" valign="top"> P1 = -P/F </td> </tr> <tr> <td width="33" valign="top"> 2 </td> <td valign="top"> P = x² = x ? x = P ?x </td> <td width="177" valign="top"> F = 2!= 1! ? 2 = F ? n </td> <td width="258" valign="top"> P1 = -(P ? x)/(F ? n) = -P1 ? x/n </td> </tr> <tr> <td width="33" valign="top"> 3 </td> <td valign="top"> P = -x³ = x²? x = -P ? x </td> <td width="177" valign="top"> F = 3!= 2! ? 3 = F ? n </td> <td width="258" valign="top"> P1 = -(P ? x)/(F ? n) = -P1 ? x/n </td> </tr> <tr> <td width="33" valign="top"> 4 </td> <td valign="top"> P = x⁴ = x³? x = P ? x </td> <td width="177" valign="top"> F = 4!= 3! ? 4 = F ? n </td> <td width="258" valign="top"> P1 = -(P ? x)/(F ? n) = -P1 ? x/n </td> </tr> </table> ?? ??????? ?????, ??? ?? ?????? ???? ?????????? ???????? ???????? ?????????????????, ?????????? ?? ?????????? ????, ?????????? ?? ????? x/n. ????, ????? ??????? ?????????????????? ? ?????? ????? ??????????? ?? ??????? ?1 = -P1 ? x/n. ?????? ?? ??????? ??????,

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????????? ????????? ???????? ?????????? ????????? ???????: S = 1, P1 = 1. ??? ??? ??????? ?????????????????? ?1 ???????? ??????????????, ?? ??? ???????? ??????? ? ????????? ????? ?????????? ??????? abs(), ??????????? ?????? ?????.   ?????????, ??? ???????? ???????? ??? x =◆1, e = 0,01.   <table border="1" cellspacing="0" cellpadding="0" width="643"> <tr> <td width="208" valign="top"> ??????? </td> <td width="187" valign="top"> P1 </td> <td width="200" valign="top"> S </td> <td width="47" valign="top"> n </td> </tr> <tr> <td width="208" valign="top"> Abs(1)>0,01? ?? </td> <td width="187" valign="top"> -1 ? 1 = -1 </td> <td width="200" valign="top"> 1 + (-1) = 0 </td> <td width="47" valign="top"> 2 </td> </tr> <tr> <td width="208" valign="top"> Abs(-1)>0,01? ?? </td> <td width="187" valign="top"> -(-1 ? 1/2) = 0,5 </td> <td width="200" valign="top"> 0 + 0,5) = 0,5 </td> <td width="47" valign="top"> 3 </td> </tr> <tr> <td width="208" valign="top"> Abs(0,5)>0,01? ?? </td> <td width="187" valign="top"> -0,5 ? 1/3 = -0,666 </td> <td width="200" valign="top"> 0,5 + (-0,666) = -0,1666 </td> <td width="47" valign="top"> 4 </td> </tr> <tr> <td width="208" valign="top"> Abs(-0,666)>0,01? ?? </td> <td width="187" valign="top"> -(-0,666?1/4) = 0,166 </td> <td width="200" valign="top"> -0,166 + 0,166 = 0 </td> <td width="47" valign="top"> 5 </td> </tr> <tr> <td width="208" valign="top"> Abs(0,166)>0,01? ?? </td> <td width="187" valign="top"> -0,166 ?1/5 = -0,044 </td> <td width="200" valign="top"> 0 + (-0,033) = -0,033 </td> <td width="47" valign="top"> 6 </td> </tr> <tr> <td width="208" valign="top"> Abs(-0,033)>0,01? ??? </td> <td width="187" valign="top">   </td> <td width="200" valign="top">   </td> <td width="47" valign="top">   </td> </tr> </table> ????, S = -0,033 ??? ???????? ???????? ? ? ???????? ?????????? 0,01. ????, ??????? ?? ??????????? ??? ??????? ????? 2.10 ? 2.11, ?????????? ???????????. ??????????? ?????? ????? ???????? ??, ??? ????? ??? ?????????? ??????? ?? ?????????? ???????, ??????? ??????????? ? ????????? ????? ? ???????????. ? ??????????? ?????????? ?????????? ?????????? ??????????? ??????? ?????? ?? ????? (?????????? ???????????? ????????). ? ????????? ?????? ?????????? ??????????? ?????????. ?????????? ??????????? ?????? ?????????? ??????????, ??????? ?????? ??????????? ? ?? ???????????? ?????????? ??????????, ? ?? ?? ??????????, ? ?? ??????? ?????????? ?????. <hr title="?????? ??? ??????????????? ???????" class="system-pagebreak" /> ??? ?????? ?????? ????????? ????????????? ?????? ? ????????? ???????? ???????. ????????? ?????????? ???????? ????????. 1. ???? ????? ??????? ????????????? ???????????. ??????? ??? ???????? ? ???????. 2.◆?????? ??????? ????? ?? ????????? V. ?????????? ?????????? ?? ????? ? ????????? ??????? ??????? t1 ? t2. 3.◆???? ?????????? ????????????? ?????. ??????? ????? ??? ????. 4.◆?????? ??????? ? ???????, ? ????? t ?????? ?????????? ???????. ?????????? ?????????? ?? ????? ?? ????. 5.◆?? ????????? ????? ??????????

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???????????? ????? ??????. ??????? ????? ?????? ????????????. 6.⊕???? ??????????? ????? N, ? ?????? ???????? ????? ???? ??????. ??????????, ???????? ?? ??? ????? ??????????? 7.⊕???? ????? ???? ????????. ??????????, ????? ?? ????????? ??????????? ? ?????? ??????? ??????. ???? ??, ?? ??????????, ????? ??? ???????????: ?????????????, ????????????? ??? ????????????. 8.⊕?????? ????????? ?????????? ????? ?? ?????????. ?????????? ?? ? ???????? ?????????? ? ?????? ?????? ?????????. ???? ?????????? ? ????????? ???? ? ????????? ?? ?????. 9.⊕????????????? ????? ?????? ????? ??????? A, B, C. ??????????, ??????? ?? ?????? ? ????????????? ????????? ???????? x ? y. ??????????? ?????? ? ????????? ??????????? ?????? ???, ????? ?????? ?? ??? ????? ???? ??????????? ??? ??????????????? ?????? ?? ?????? ?????????. 10.⊕????????? ????????? ??? ?????????? ??????? ???????? ???????: . ???????? ?????????? ? ???????. ?? ????????? ? ? [-4;⊕6] ????? ????? ? ????? ?? ????? 15-?? ?????. 11.⊕??????? ?, ? ? ? ??????????? ?? n-?, m-? ? ?-? ?????????? ???????? ?????? ??????????????. ????? ?? ???? ??????? ??????????? ???????? ?????? ???? ? ?????? 12.⊕??????????? ????? ???????? ???????, ???? ??? ??????? ?? 1 ? ?? ?????? ????. ??????????? ????? ???????? ???????????, ???? ??? ????? ????? ????? ?????????, ??????? 1, ???????? 6 = 1 + 2 + 3, 28 = 1 + 2 + 4 + 7 + 14. ????????? ????????, ??????? ?????????, ???????? ?? ????????? ????? N ???????, ? ???? ???, ?? ???????? ?? ??? ???????????. 13.⊕?? ?????????? ?????, ???????????? ??????? ????????, ???????? ????????? ???????????? ??????? ???????? ? ??????????? ? ????????? ???????? ?????. ????????; ⊕??? 45 ???⊕ ??? ⊕??? 31 ???⊕. 14.⊕????????? ?????????, ??????????? ??????? ???????? ???????: , ???? ?⊕?⊕[-4; +4], ??? ????????? 0.5; a⊕?⊕[1..5], ??? ????????? 1. ????????, ??? ⊕? ????????, ? ????????? ????????? ??????? Y(x) ??? ??????? ???????? ?, ??????? ??? ? ????????? ???????. 15.⊕??????? ????? ?, ????????? ???????????: ?? ??????? ????? ????????? ?????????? ??? 50-??, 100 ????????????. 16.⊕????????? ???????? ???????? P(x) ? ??????????? ????? x, ???? ????????? ?????????? ??? 100 ?????????. 17.⊕????????? ???????? ??????? Y(x) ? ??????????? ????? x ?? ??????? ?????????? ? ???: ???????? x ???????. ?? ???????

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????? ????????? ?????????? ??? 5-??, 10, 15, 20 ?????????.   18.⁄????????? ???????? ????? ???? ???????? n ???????? ??????????. 19.⁄??????? ???? ???????? ??????, ??????????? ? ???? 2 ???? ???????. ????????????? ???? ??????????, ??? ?????? ???? ????????? ? ??? ???? ?????? ??????, ??? ? ?????????? ????. ??????, ??? 100 ??? ? ????, ?????????? ??????. ???????, ?? ??????? ???? ??????? ????????? ?????? ??????????. ??????? ??? ??????? ?? ??? ???? ???????? ?????? 20.⁄?? ???? ???????? ??????? ??????? ??????? ???? ? ????? ? ???????? ?? ???? 5 ????????. ?????? ??? ??? ????????? 5 ????????. ??????? ?? ??????????? ????? ????? 12% ???????. ????? ????? ????????? ? ??????????????? ??????? (? 16-?? ?????), ??????? ????????? ?????. ??????? ?? ????? ??????? ?????????? ????????? ?????. 21.⁄???????? ????? ???????? ?????? ??? ???????? ?????????? ?? ????????????? ????????. ???????? ???????, ????? ????????? ????? ? ??????. ??????? ?? ?????? ??????? ?????? ??????? ????????, ??? ????? ??????? ?? ???????? ? ? ?? ?????????? ????????. 22.⁄???????? ??????????? ?????? ?????????? ???????? ???? ????????? ?????? ?? ????? ?? ???? ????????. ?????? ? ?????? ? ?????? ?????? ?? ????? ??????, ?? ??-?? ???????? ????????? ??? ????????? ?? ???? ??????. ?????? ? ?????? ? ?????? ??????? ?? ????? ?????. ??? ????????? ?? ??????????? ? 1 ?? 15 ???????. ?????? ? ????????? ?????? ? ?????? ??????? ?? ????? ???. ????????? ?????? ?? ?????? ?? ????????, ??????? ??????, ?????????? ????????????? ?₁, ?₂ ? ?₃ ???. ?? ???? ?????? ??????? ??????????, ?????? ?? ????????? ???????? ???? ?????? ? ????? ? ????? ??????????? ?????? ?? ?????? ???????????. 23.⁄?? ????? ?????????? ?????? ? ????? ??????????? ????????????? ??????? ????? ?????????? ??? (x₁; y₁) ? (x₂; y₂). ??????, ?????? ????? ????? ?????? ??? ???????, ????? ?????????? (x₀; y₀), ?????? x₀ ? x₁. ?????????? ??????????? ?????????? ?? ??????????? ??????? ????? ?? ???????. 24.⁄????????? ????? ????????? ??????????? ?? ????????????? ??????????? ?? ???????????????? ???????. ??? ???? ??????????? ????? ?????? ? ????? ??????????? ??? ??????????? ⁄????????⁄ ????? (????, ??????, ???????). ?????????, ????????? ?? ???????????? ?????? ?????????, ??? ????? ? ????? ??????????? ?? ⁄????????⁄ ?????. 25.⁄??????? ????? ? ?????? ??????????, ?????????? ????? ??? ???????? ????? ?? ?????????. ⁄