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(*ЗАДАНИЕ*)
(* Разложить в ряд Фурье НЕПРЕРЫВНУЮ 2 L периодическуую функцию f[x]=f[x+2 L]*)
(* f(x)=0, -L≤ x≤ x1 *)
(* f(x)=0, x4≤ x≤ L *)
(* f(x)=h, x2≤ x≤ x1 *)
(* f(x) ЛИНЕЙНАЯ при x1≤ x≤ x2 и при x3≤ x≤ x4*)
(* Вычислить лщэфициенты Фурье A_k, B_k , k≤ 5 *)
(* проверить равенство Прасеваля *)
(* нарисовать график фуекции и частичной суммы (вместе)*)
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{var, 1}

var.1) x1=5, x2=9, x2=11, x4=15, L=19,h=3

{var, 2}

var.2) x1=5, x2=9, x2=13, x4=16, L=21,h=2

{var, 3}

var.3) x1=5, x2=8, x2=12, x4=17, L=20,h=2

{var, 4}

var.4) x1=5, x2=7, x2=9, x4=14, L=17,h=3

{var, 5}

var.5) x1=5, x2=10, x2=15, x4=20, L=23,h=3

{var, 6}

var.6) x1=3, x2=8, x2=13, x4=18, L=20,h=4

{var, 7}

var.7) x1=4, x2=9, x2=14, x4=17, L=19,h=3

{var, 8}

var.8) x1=3, x2=8, x2=13, x4=17, L=19,h=3

{var, 9}

var.9) x1=5, x2=7, x2=9, x4=12, L=14,h=4

{var, 10}

var.10) x1=5, x2=9, x2=11, x4=13, L=17,h=3

{var, 11}

var.11) x1=3, x2=5, x2=9, x4=12, L=16,h=5

{var, 12}

var.12) x1=2, x2=6, x2=11, x4=15, L=20,h=4

{var, 13}

var.13) x1=5, x2=7, x2=11, x4=13, L=16,h=3

{var, 14}

var.14) x1=3, x2=5, x2=8, x4=10, L=12,h=5

{var, 15}

var.15) x1=2, x2=7, x2=11, x4=14, L=16,h=3

{var, 16}

var.16) x1=2, x2=7, x2=11, x4=16, L=20,h=5

{var, 17}

var.17) x1=2, x2=6, x2=8, x4=10, L=14,h=3

{var, 18}

var.18) x1=3, x2=5, x2=9, x4=11, L=13,h=3

{var, 19}

var.19) x1=3, x2=8, x2=11, x4=15, L=18,h=2

{var, 20}

var.20) x1=3, x2=6, x2=8, x4=11, L=15,h=2

{var, 21}

var.21) x1=2, x2=6, x2=11, x4=14, L=18,h=3

{var, 22}

var.22) x1=4, x2=8, x2=13, x4=17, L=22,h=3

{var, 23}

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var.23) x1=4, x2=8, x2=10, x4=13, L=17,h=4
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{var, 24}
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var.24) x1=5, x2=8, x2=11, x4=16, L=20,h=2
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{var, 25}
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var.25) x1=5, x2=8, x2=12, x4=15, L=19,h=4
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{var, 26}
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```
var.26) x1=4, x2=9, x2=14, x4=16, L=21,h=3
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{var, 27}
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var.27) x1=2, x2=5, x2=8, x4=10, L=13,h=3
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{var, 28}
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var.28) x1=3, x2=6, x2=10, x4=14, L=18,h=5
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{var, 29}
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var.29) x1=4, x2=6, x2=11, x4=16, L=19,h=4
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{var, 30}
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var.30) x1=4, x2=9, x2=14, x4=18, L=22,h=3
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