Опр К-свищдово коноко

79: K 303 > Nv 803 = No

1. $p(\alpha) \leq \varphi(\alpha \beta) \forall \alpha, \beta \in K, \alpha \neq 0, \beta \neq 0$

2. \d, \begin{aligned} \frac{1}{2} \, \tau_0, \begin{alig

teoperior & EK pointopuous re

Tynneger EK

1) Z q(n)=1n/

2) R[x] 4(Pn(x)) = deg Pn(x)

 $19n \cdot \alpha = 36 \quad \beta = 21$

Ol = 6.1 + 15

 $\theta = 15.1 + 6$ $HOA(\alpha, 8) = 3$ $B = (\alpha - B) \cdot 1 + 6$

15 = 6 -2 + 3

6 = 3.2+0

6 = 28 - 01

15 = Q-6

 $\alpha - \beta = (2\beta - \alpha) \cdot 2 + 3$

HOH(a, b) = 3 = 3a - 5b

Tyunen P= x3+x2+x-3 $Q = 2e^2 - 1$

 $x^{3}+x^{2}+x-3 \quad x^{2}-1 \\ x^{3}-x \quad (x+1)$

P= Q(n+1)+2x-2

 $\frac{3e^{2}+2x-3}{3e^{2}-1}$

a = (n-1)(n+1)+0

HO,7(P, a) = \ X-1 2x-2

2 X -2

Tynnen. Zz [x]

 $x^{3}+x^{2}+x+212x^{2}+x+1$ $x^{3}+x^{2}+x+2=(2x+1)(x^{2}+x+1)+x+1$

 $x^{3}+2x^{2}+2x$ | 2x + 1

 $2x^{2}+2x+2$

-2 x2+x+1

X + 1

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- Ангеораннески зашинутае пане
P(x) - unarques
P(X) & K [X]
Ong. a - Kaperis P(V)
 \alpha \in K', P(\alpha) = 0
Tymula.
P= x2-1 & Z[x] | Q= 3 + 13
P=x2-2 & Z(x) | a= {0}}
P=x2-2 & [R Cx7 | 0 = $ ± 52}
P=x2+7 & R[x] | 0 = 3 0 3
P = x^2 + 7 e C [x] | \alpha = 3 \pm i 
P = x2 + 1 & Z2[x] | Q = 3 1 }
Teoperia Bezy
\alpha - kaperce P(x) \Leftarrow P(x) : (x - \alpha)
Dan-60:
a - Kaperch P(x) (=7 P(a) =0 10
P(x) = (x-\alpha)S(x) + r(x), deg r(x) \perp deg(x-\alpha) = 1
P(x) = (x - \alpha) S(x) + r
 P(a) = 0 + = = = > = = = P(x) : (ne-a)
\Delta = P(x): (xe-9) \Rightarrow P(x) = (xe-9) S(x) \Rightarrow P(a) = 0
             Cxema Caprelpa
Qox" + a1x"-1 + ... + an => ((00x+a1) x + a12) x + ...
Пришер.
                              1 2 -3 2 1 -3
X=1 1 3 0 2 3 0
x^{5} + 2x^{9} - 3x^{3} + 2x^{2} + 2 = -3
(x-1)(x^4+3x^3+2x^2+3)
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Onp. a - карень кратнасти "К" иногачена Р(х) $P(x): (n-\alpha)^{k} \cap P(x): (n-\alpha)^{k+1}$ a-kapeno kpatrioeta k unionaliero P(x) a-kapeno kpatrioeta K-1 unionalieria P(x) ROK- 60: $P(x) = (n-a)^{K} Q(x), \quad Q(\alpha) \neq 0$ P'(ne) = K(ne-a) -1 Q(ne) + (ne -a) "Q'(ne) = (ne -a) K-1 (KQ(x) + (ne-a)Q'(x)) $K Q(\alpha) + (\alpha - \alpha) Q'(\alpha) \neq 0$ legrena $\frac{P(x)}{HOP_{1}(P(x), P'(xe))} = unavarien$ $(x-\alpha)^{k}Q(x)$ =7 cogenment te me nomme, uto u P(x), no $(x-\alpha)^{k}S(x)$ Ong. Hennebagunski maranen konsisa KCXI - 200 martai sulverer nouseer (news 2x pazioneiro 6 manglegerine un-ab) Chariczba 1) Musiameria in extreme renjulsagemente (A ne + B) 2) do 22 + d1 x + d2 RCXI DCO =7 renpubagunosis C[x] Ket nenjusagunun Z[X] P p generale 0/2 Upex7 Z3 [X] 22+1 - renpuseguirous $x^2 + x^2 + 1 \qquad q = 1$

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Teoplero Dizenuteino
xh+011xn-1+012xn-2+..+011-1x+011 - Henrice. B Z(x)
Oi: P, Oin: P2, P-yestal
x 5 +2 x 4 + 4 20 3 + 8 x 2 + 6 x + 2
Ong. P-amedpaurecku zamkryto, ean renpulogunoil
unavoruessas Tariano in crenenu.
Ong. P- amedpannelen zameseyto, eane & P(20) unel Kapens
Tipullen.
21 - ne 13 (2x+1)
a - ne 43
[R - me A 3 (x2+1)
Tegrena C-43 (ochobrad tegrena arreans)
Teaperca. Hennilogunian un-ob os micoso
Dax-Bo:
  1) ] K - Jeck. Kausego
                          ai - Jecn. X - ai
4 2) 3K - Konernoe.
Tipegnouomene P1(x), P2(x), ..., Px(x)
Q(x) = P1(x) · P2(x) · P3(x) · . . . Px(x) +1 =7 Q(x)/Pi(x)
a) Q(x) - rengulaque - matul. N
5) Q(x) = L(x) B(x)
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