Tugas #3

estudee/

Gwai Akbar 23/32013,8/ PA/22341

| 14902 71 |) | | | | | |
|------------|--------------|--------------|-------------|---|---------------|--------------|
| 11 - | , 1 | | | | | |
| 1.) 5 = 30 | ,a,b,c | 3 | | 13K 1K | · y · | |
| + | 0 a | ВС | X | 0 a | 6 C | |
| 0 | o a | BC | 0 | 0 0 | 0 0 | |
| Α | a 0 | C B | α | 0 · a | b C | |
| B | b c | O A | Ь | 0 a | b C | |
| c | c .b . | 9 0 | · . c . | 0 O | 00. | F. 8 |
| | a total | . f | to a second | | | a rite il |
| (5,+,7 | () ring? | Ping Fomu | taty 7 | | | |
| Pembukti | | (4 | | | f , , | received the |
| Closure | • | | | | | . 5 |
| Jika dil | inat pada | tabel opera: | | |), semu | α .). ; . |
| elemen | pada setion | sel merup | akan anaa | sta dań | himp. : S | ř. |
| Jadi, | terbukti ch | sture . | · | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | , p - 5 | • |
| | | 14 | 1- | | | |
| Abelian | : | | E. | | | |
| · elen | nen Identito | J: | 1 9 | 4 | as the second | |
| | 0 + 0 = 0 | 1+0 = a | | | 2 | |
| . ele | men invers: | | j# | 1 | | |
| | a+ a = 0 | ; b+b = | 0 ; c4c | = 0 | . 17- | |
| · K | imutatij | | | | | : |
| | atb = | bta | | | 7 . 7 5 | |
| Julea di | ilihat pada | tabel operas | i pertama | (+) . W | lemenuhi | semua |
| | | Jadi, ter | | | 1. | |
| | | | | | | * |
| Asostat | (} : | | 4 4 | | 0.50 | |
| a (| bc) = (ab |) c Pa | da tabel o | perasi k | edua (x |). |
| 1 | ή, | 7 | erbukti As | osiatu | | |
| a (| c) = (b) | C | | - | . 3 | |
| C | = č | | | # FM W | | e e eserció |
| | | | | | | |
| Distrik | mtf: | | | | | |
| | b+c) = ab | + ac | ; Cath |) C = a | c + bc | |
| a | (a) = k | + C | (c) |) c = | C + C | |
| | a = | α | | | O | |
| | | | | | 727 | |

Prose tersebut seavoi.

36 lines (6mm spaced) dan tabel (+1 2 (x). Jadi, terbukh distribut)

| | No. Date | |
|---|--|----|
| Don's yorat & tersebut, (S, +, x) menupak | ean Ring | |
| cell, untuk king komutatig: | | |
| ab = ba | (| |
| 1. 1 | - F | |
| b = a -> +tdak memenuhi | i i | _ |
| | | |
| Jadi, (S, +, x) adalah RINH (memenu | uni akstoma mg7, | |
| tetopi RING Thi TIDAK KOMUTATIF KOM | | i. |
| | of Foreign Cartes and | |
| -) Tentukon gcd dua polinomial (x3-2x4 | F1) | |
| don (x2-x-2) pd GF (5.) | | |
| Jaloob. | The second of th | |
| $\gcd(x^3-2x+1), x^2-x-2) = \gcd(x^3-2x+1)$ | | -x |
| = gcd (x2-x | x-2 , x+3) | |
| X+1 | ^ _ | |
| (-x-2 X3-2x+1 ! | 7 . · · · · · · · | |
| $ x^3 - x^2 - 2x = gcd(x+$ | 3, x2-K-2, rem x+3) | H_ |
| x2 +1 - gcd:(x+3 | .01 | _ |
| $\frac{x^2-x-1}{}$ | 1 | |
| x +3 - : . | 1 | |
| X * 4 | gcd (xet 3.0). | |
| $x+3$ x^2-x-2 | = X+3 | |
| x2+3x | | |
| -4x-2 | ्र व्यवस्ति कृषा सङ्क्षक स | |
| -24×+12 - | | |
| 10 —) Farena (9F(5) | | |
| maka: 50a: =0 | | |
| 12.0 | | |
| Hasil: X+3 | | |
| | | |
| | | |
| | | |
| | 148 8004 U W | |
| | 10 N N 10 M | |
| | 9 (4) (4) (1) | |

. Project .

estudee 36 lines (6mm spaced)

| 3) Tenturan acd dua polinomial (x + 0x + 7x + 8) dan (2x3 + 9x2 + 10x + 1) poda (nF(11). |
|--|
| (2x3+9x2+10x+1) poda (MFCII). |
| Jawah |
| gcd (x4 + 8x2 + 7x+8, 2x5 + 9x2 + 10x+1) |
| gcd (x4 + 8x3 + 7x48, 2x5 + 9x2+ 10x+1) = gcd (2x5 + 9x2 + 10x+1, x4 +8x3 + 7x+8 rem 2x2+9x2+10x+1) |
| -3. 4 L 6x |
| 2x3+0/x X +8x3+7x+8 + tox +1 X4 +8x3+7x+8 x4 +16x3+5x46x - |
| |
| 9x3+6x2+x+8 |
| |
| = gcd (2x3+gx+10x+1, gx3+6x2+x+8) |
| = ocd (0x +6x2 +x+8, 2x3 +0x2+10x+1 1em 9x3+6x2+xx18) |
| $ \begin{array}{c c} 0 \times 3 + 6 \times 1 \\ 1 \times 4 & 0 \\ 2 \times 3 + 9 \times 2 + 10 \times 4 & 0 \\ 2 \times 3 + 5 \times 1 + 10 \times 4 & 0 \end{array} $ |
| 1x+0 2x3+9x2+10x+1 |
| 12x3+5x+6x+3- |
| 4x2+9 |
| = 0 cd (9 x3 + 6x2 + x+8, 4x2+9) |
| - 9 cd (4x2+9, 9x3+6x2+x+8 rem 4x2+9) |
| 900(11), 91 100 1111 |
| 01-2+a 1023+62 |
| - 49 93+6x+x+0 |
| 1 9x2 + x |
| 6x +8 |
| = $gcd(4x^2tg, 6x^2t8)$ = $gcd(6x^2t8, 4x^4g)$ en 6x48 |
| |
| Grital Axctd |
| |
| 0 |
| = 9cd (6x +0,01 = 6x+8 / |
| $kog tertmoy = 6 \rightarrow 6^{-1} = 2$, maka: |
| (6x +81.L= 12x +16 = x + > (mod 1) |
| estudee somme somme sourced. Judi Grap monic-napa: 8272+5 |