Nama : Farkhan

NPM : 20081010060

Kelas : B081

Latihan (1/3)

Bilangannya berpola setiap 6 digit. Jadi, , maka angka ke-2007 adalah angka **2**

1. a. b. c.

(b) dan (c) adalah pecahan yang memiliki angka di belakang koma dengan jumlah tertentu, sedangkan (a) memiliki angka di belakang koma dengan jumlah yang infinite

Latihan (2/3)

=

= (x - 2)(x - 1) 0

= x = 2 atau x = 1

karena kurang dari sama dengan, maka Hp : 1 2

1. A

|  |  |  |  |
| --- | --- | --- | --- |
| I | I | I | I |
| 0 | 1 | 2 | 3 |

=

= (x - 2)(x - 1) 0

= x = 2 atau x = 1

Karena lebih dari sama dengan, maka Hp : atau 2

B

|  |  |  |  |
| --- | --- | --- | --- |
| I | I | I | I |
| 0 | 1 | 2 | 3 |

C

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| I | I | I | I | I | I | I | I | I | I | I |
| -1 |  | 0 |  | 1 |  | 2 |  | 3 |  | 4 |

=

= =

= x = atau x =

Sehingga himpunan penyelesainnya adalah atau

=

= =

= x = atau x =

Sehingga himpunan penyelesainnya

adalah atau

D =

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| I | I | I | I | I | I | I | I | I | I | I | I | I |
| -2 | 1- | -1 |  | 0 |  | 1 |  | 2 |  | 3 | 1+ | 4 |

=

= (t - 2)(t - 1) 0

= t = 2 atau t = 1

Karena kurang dari sama dengan, maka Hp : 1 2

E =

|  |  |  |  |
| --- | --- | --- | --- |
| I | I | I | I |
| 0 | 1 | 2 | 3 |

Himpunan (A) dan himpunan (E) merupakan himpunan berhingga, sedangkan himpunan (B), (C), dan (D) adalah himpunan yang tak berhingga.

Latihan (3/3)

1. (a) 11101110 = (1 x 128) + (1 x ) + (1 x ) + (0 x ) + (1 x ) + (1 x ) + (1 x 2) + (0 x 1)

= 128 + 64 + 32 + 8 + 4 + 2 = 238

(b) 10100 = (1 x ) + (0 x ) + (1 x ) + (0 x ) + (0 x )

= 16 + 4 = 20

1. (a) 15 = (1 x ) | (1 x ) | (1 x ) | (1 x ) = 1111

(b) 22 = (1 x ) | (0 x ) | (1 x ) | (1 x ) | (0 x ) = 10110

1. (a) 3AF20 = (3 x 65.536) + (10 x 4.096) + (15 x 256) + (2 x 16) + (0 x 1) =

= 196.608 + 40.960 + 3.840 + 32 + 0 = 241.440

(b) C7,66 = (12 x 16) + (7 x 1) + (6 x 0,0625) + (6 x 0,00390625‬)

= 192 + 7 + 0,375 + 0,0,9375 = 199, 3984375‬

1. (a) 55500 = (13 x 4.096) | (8 x 256) | (12 x 16) | (12 x 1) = D8CC

(b) 10011 = 0001 dan 0011

= 0001 = 1

= 0011 = (1 x 2) + (1 x 1) = 1 + 2 = 3

Maka, 10011(biner) = 13(heksadesimal)

1. (a) 5C6 => 5 = 0101

=> C = 12 = 1100

=> 6 = 0110

10 111 000 110 = 2 7 0 6 (oktal)

(b) 1111 = 001 dan 111

001 = 1 dan 111 = (1 x ) + (1 x ) + (1 x ) = 4 + 3 + 1 = 7

Maka, 1111(biner) = 17(Oktal)

1. Karena lapar, Mulyono menjarah kulkasnya = 4B6172656E61206C617061722C204D756C796F6E6F206D656E6A61726168206B756C6B61736E7961

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Karakter** | **Hexsa** | **Karakter** | **Heksa** | **Karakter** | **Heksa** | **Karakter** | **Heksa** | **Karakter** | **Heksa** |
| K | 4B | a | 61 | l | 6C | n | 6E | u | 75 |
| a | 61 | p | 70 | y | 79 | j | 6A | l | 6C |
| r | 72 | a | 61 | o | 6F | a | 61 | k | 6B |
| e | 65 | r | 72 | n | 6E | r | 72 | a | 61 |
| n | 6E | (koma) | 2C | o | 6F | a | 61 | s | 73 |
| a | 61 | (*space*) | 20 | (*space*) | 20 | h | 68 | n | 6E |
| (*space*) | 20 | M | 4D | m | 6D | (*space*) | 20 | y | 79 |
| l | 6C | u | 75 | e | 65 | k | 6B | a | 61 |

Mulianya pagi

Mulianya pagi

Mulianya pagi

Mulianya pagi

Mulianya siang

Mulianya siang

Mulianya siang

Mulianya siang

Harap menunggu

Menonton sekarang

Harap menunggu

Menonton sekarang

Menonton sekarang

Harap menunggu

Harap menunggu

Menonton sekarang

Usia < 18

Usia > 18