Kizspy.me

There are 50 questions, and your progress of answering is

Answer

- [ ] A
- [ ] B
- [ ] C
- [ ] D
- [ ] E

Back Next

(Choose 1 answer)

Let a = 137 mod 31 and b = -137 mod 31. Find b - a.

A. 5

B. -7

C. 23

D. -13

E. 17

- [ ] I want to finish the exam.

Finish

Exit

Kizspy.me There are 50 questions, and your progress of answering is

Answer

- A
- B
- C
- D

(Choose 1 answer)

(See picture)

A. (i)

B. None of the other choices is correct

C. (iii)

D. (ii)

Back Next

Determine the complexity of this algorithm in terms of the number of **comparisons**.

```
procedure thuattoan(a_1, a_2..., a_n: integers)
k := 0
for i := 1 to n do
    if a_i < 0 then k := k + 1
print(k)
```

(i) $O(n)$

(ii) $O(\log n)$

(iii) $O(1)$

I want to finish the exam.

Finish

Exit

Kizspy.me

There are 50 questions, and your progress of answering is

Answer

- [ ] A
- [ ] B
- [ ] C
- [ ] D
- [ ] E

Back Next

(Choose 1 answer)

Decode the message 110111010 encoded by the scheme

f: 10, p: 110, t: 1110.

A. ptf

B. fpt

C. tpf

D. pft

E. None of the other choices is correct

- [ ] I want to finish the exam.

Finish

Exit

50

Kizspy.me

There are 50 questions, and your progress of answering is

Answer

- A
- B
- C
- D

Back Next

(Choose 1 answer)

(See picture)

A. 0 and 1

B. 0 and 0

C. 1 and 0

D. 1 and 1

Let $a_1, a_2, \ldots$ be the sequence

$$0, 1, 1, 0, 0, 0, 1, 1, 1, 1, \ldots$$

Find a_{99} and a_{100}.

I want to finish the exam.

Finish

Exit

45

Kizspy.me

There are 50 questions, and your progress of answering is

Answer

- [ ] A
- [ ] B
- [ ] C
- [ ] D
- [ ] E

Back Next

(Choose 1 answer)

(See picture)

A. 4

B. 0

C. 1

D. 3

E. 2

Find the smallest integer n such that the following function is $O(x^n)$

$$\lceil x \log x \rceil + \lfloor x + \log x \rfloor$$

- [ ] I want to finish the exam.

Finish

Exit

Kizspy.me

There are 50 questions, and your progress of answering is

Answer

- A
- B
- C
- D
- E

Back Next

(Choose 1 answer)

(See picture)

A. 6

B. 2

C. None of the other choices is correct

D. 12

E. 3

Given $X=\{\varnothing, \{\varnothing\}, \{a, b\}, c\}$, $Y=\{x, \{z, z\}, x\}$.

How many one-to-one functions are there from Y to X?

I want to finish the exam.

Finish

Exit

47

Kizspy.me

There are 50 questions, and your progress of answering is

Answer

- A
- B
- C
- D

(Choose 1 answer)

(See picture)

A. (iii)

B. (i)

C. (ii)

D. None of the other choices is correct

Back Next

Which of the following is a function?

(i) $f: \mathbf{N} \to \mathbf{N},\ f(n) = \sqrt{n}$

(ii) $f: \mathbf{N} \to \mathbf{R},\ f(n) = \sqrt{n}$

(iii) $f: \mathbf{R} \to \mathbf{N},\ f(n) = \sqrt{n}$

I want to finish the exam.

Finish

Exit

Kizspy.me

There are 50 questions, and your progress of answering is

Answer

- A
- B
- C
- D
- E

Back Next

(Choose 1 answer)

Find the length of the shortest path from a to z.

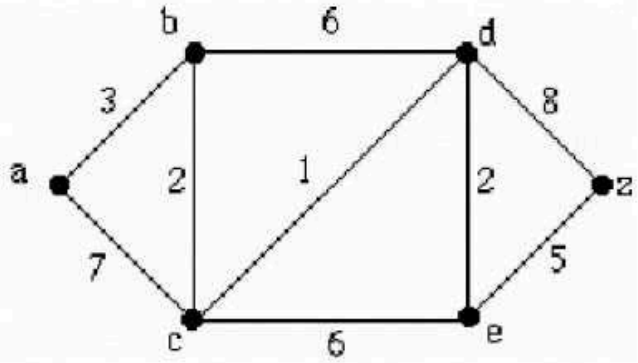
A. None of the other choices is correct

B. 13

C. 9

D. 8

E. 11



I want to finish the exam.

Finish

Exit

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Kizspy.me

There are 50 questions, and your progress of answering is

Answer

- [ ] A
- [ ] B
- [ ] C
- [ ] D

Back Next

(Choose 1 answer)

How many strings of three decimal digits have exactly two digits that are 4s?

A. 27

B. 28

C. 29

D. 30

- [ ] I want to finish the exam.

Finish

Exit

Kizspy.me

There are 50 questions, and your progress of answering is

Answer

- [ ] A
- [ ] B
- [ ] C
- [ ] D
- [ ] E

Back Next

(Choose 1 answer)

Which of the following is NOT a circuit in this graph ?
(See picture)

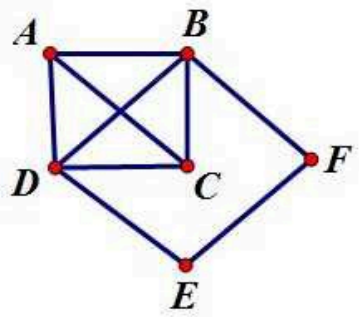
A. A - B - C - D - F - B - A

B. C- D- E- F- B- A- C

C. D- B- F- E- D

D. B- A-D- E- F- B

E. E- F- B- A- D- E



- [ ] I want to finish the exam.

Finish

Exit

Kizspy.me

There are 50 questions, and your progress of answering is

Answer

- [ ] A
- [ ] B
- [ ] C
- [ ] D
- [ ] E

Back Next

(Choose 1 answer)

Consider the argument with the hypotheses:

" I will be happy if your project succeeds.
Your project can become successful only if you change the method."

and the conclusion:

" Therefore, if you change the method, then I will be very happy."

Choose the right answer.

A. The argument is valid using hypothetical syllogism

B. The argument is invalid

C. The argument is valid using modus tollens

D. The argument is valid using simplification

E. The argument is valid using modus ponens

- [ ] I want to finish the exam.

Finish

Exit

Kizspy.me

There are 50 questions, and your progress of answering is

Answer

- [ ] A
- [ ] B
- [ ] C
- [ ] D
- [ ] E

Back Next

(Choose 1 answer)

(See picture)

A. (i)

B. None of the other choices is correct

C. (ii)

D. (iv)

E. (iii)

Let m, n be integers. Translate the sentence into a logical expression

"*Each integer is either odd or even*"

(i) $\forall m \ \forall n \ [(m=2n+1) \vee (m=2n)]$
(ii) $\forall m \ \exists n \ [(m=2n+1) \vee (m=2n)]$
(iii) $\exists m \ \exists n \ [(m=2n+1) \vee (m=2n)]$
(iv) $\exists m \ \forall n \ [(m=2n+1) \vee (m=2n)]$

I want to finish the exam.

Finish

Exit

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Kizspy.me

There are 50 questions, and your progress of answering is

Answer

- [ ] A
- [ ] B
- [ ] C
- [ ] D
- [ ] E

Back Next

(Choose 1 answer)

(See picture)

A. None of the other choices is correct

B. 3

C. 6

D. 8

E. 7

Let $m = 2^{10}+2^9$.

Find $3^m \bmod 11$.

- [ ] I want to finish the exam.

Finish

Exit

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Kizspy.me There are 50 questions, and your progress of answering is

Answer

- A
- B
- C
- D
- E

Back Next

(Choose 1 answer)

(See picture)

A. None of the other choices is correct

B. (i)

C. (iii)

D. (iv)

E. (ii)

Given the set $S \subseteq Z$ defined recursively as follows:

Basis step: $4, 6 \in S$,

Recursive step : If $m, n \in S$ then $\begin{cases} -m \in S \\ m+n \in S \end{cases}$.

Find S.

(i) $S = \{a \in Z \mid a \text{ is divisible by } 2\}$

(ii) $S = \{a \in Z \mid a \text{ is divisible by } 3\}$

(iii) $S = \{a \in Z \mid a \text{ is divisible by } 4\}$

(iv) $S = \{a \in Z \mid a \text{ is divisible by } 6\}$

I want to finish the exam.

Finish

Exit

Kizspy.me There are 50 questions, and your progress of answering is

Answer

- A
- B
- C
- D
- E

Back Next

(Choose 1 answer)

(See picture)

A. (iii)

B. None of the other choices is correct

C. (iv)

D. (ii)

E. (i)

Let

P(x) = " x is a freshman"
Q(x) = " x takes Dmath 1",

where the domain consists of all students in a university.

Translate the sentence into logical expression:

"Every freshman must take Dmath 1".

(i) $\forall x(P(x) \wedge Q(x))$

(ii) $\forall x(P(x) \rightarrow Q(x))$

(iii) $\exists x(P(x) \wedge Q(x))$

(iv) $\exists x(P(x) \rightarrow Q(x))$

I want to finish the exam.

Finish

Exit

Kizspy.me

There are 50 questions, and your progress of answering is

Answer

- [ ] A
- [ ] B
- [ ] C
- [ ] D
- [ ] E

Back Next

(Choose 1 answer)

(See picture)

A. (iii)

B. None of the other choices is correct

C. (i)

D. (ii)

E. (iv)

Find the postfix notation for the expression

$$(x-y)^2+x(y+5)$$

(i) x y - 2 ↑ x y 5 + * +

(ii) + ↑ - x y 2 * x + 5 y

(iii) x - y ↑ 2 + x * y + 5

(iv) + ↑ - x y 2 * x + y 5

- [ ] I want to finish the exam.

Finish

Exit

Kizspy.me

There are 50 questions, and your progress of answering is

Answer

(Choose 1 answer)

- [ ] A
- [ ] B
- [ ] C
- [ ] D
- [ ] E

Back Next

Let U = {a, b, c, d, e, f, g, h, i, j}. Let P be the subset of U whose bit string representation is 1
the subset of U whose bit string representation is 0100110111. Find the intersection of P and

A. {b, e, h, i}

B. {b, e, h, i, j}

C. {c, f, g, j}

D. {c, f, g, h, j}

E. None of the other choices is correct

- [ ] I want to finish the exam.

Finish

Exit

Kizspy.me

There are 50 questions, and your progress of answering is

Answer

- [ ] A
- [ ] B
- [ ] C
- [ ] D
- [ ] E
- [ ] F

Back Next

(Choose 1 answer)

(See picture)

A. (ii)

B. (iv)

C. (iii)

D. (v)

E. (i)

F. None of the other choices

Let p and q be propositions. Which proposition is logically equivalent to $\neg p \rightarrow q$?

(i) $\neg q \rightarrow p$

(ii) $p \rightarrow q$

(iii) $p \vee \neg q$

(iv) $p \vee q$

(v) $p \wedge q$

- [ ] I want to finish the exam.

Finish

Exit

Kizspy.me

There are 50 questions, and your progress of answering is

Answer

- [ ] A
- [ ] B
- [ ] C
- [ ] D
- [ ] E

Back Next

(Choose 1 answer)

Using depth-first search to produce a spanning tree for the given simple graph, and assume that the vertices are ordered alphabetically. Choose the vertex A as the root of this spanning tree. What is the spanning tree that we obtain?

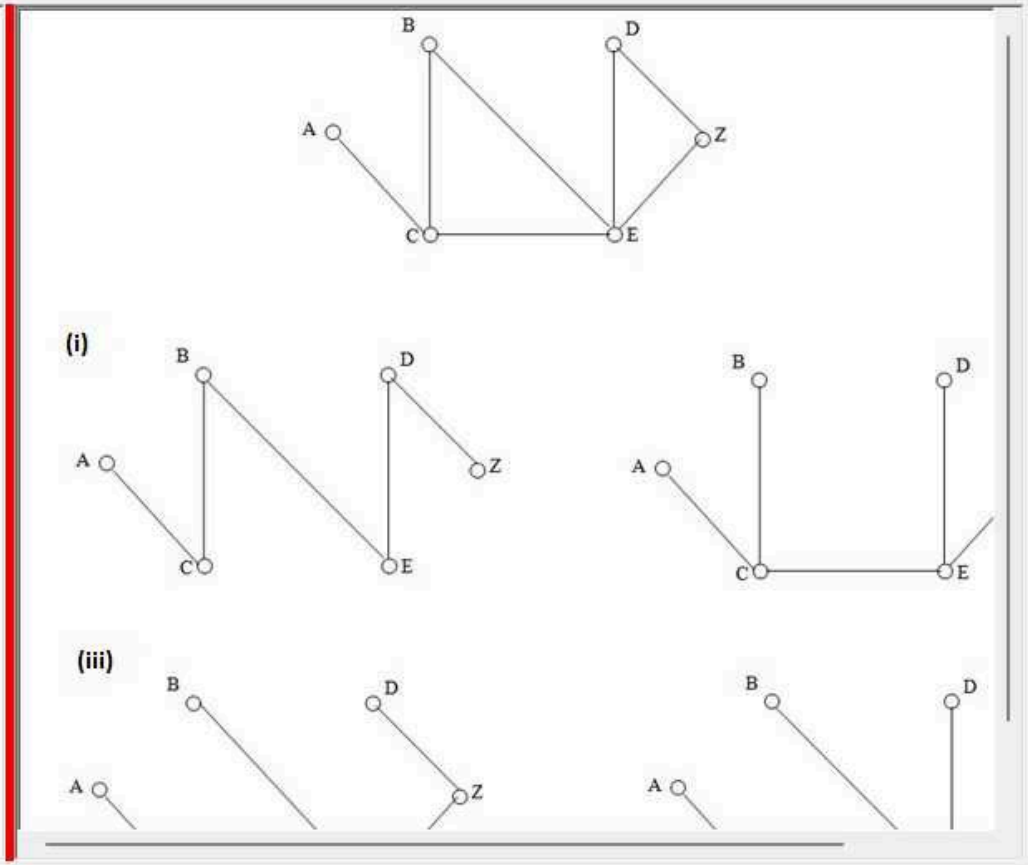
A. (i)

B. None of the other choices is correct

C. (iv)

D. (iii)

E. (ii)



I want to finish the exam.

Finish

Exit

Kizspy.me

There are 50 questions, and your progress of answering is

Answer

- [ ] A
- [ ] B
- [ ] C
- [ ] D

Back Next

(Choose 1 answer)

(See picture)

A. None of the other choices is correct

B. all n > 2 and odd

C. all n > 2

D. all n > 2 and even

For which n > 2 does the graph W_n have Euler circuits

- [ ] I want to finish the exam.

Finish

Exit

Kizspy.me

There are 50 questions, and your progress of answering is

Answer

- [ ] A
- [ ] B
- [ ] C

Back Next

(Choose 1 answer)

(See picture)

A. (i)

B. (ii)

C. (iii)

Find a proposition with the given truth table

p	q	?
T	T	F
T	F	F
F	T	T
F	F	T

(i) $(\neg p \wedge q) \vee (\neg p \wedge \neg q)$

(ii) $\neg p \wedge q$

(iii) $q \vee (\neg p \wedge \neg q)$

- [ ] I want to finish the exam.

Finish

Exit

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Kizspy.me There are 50 questions, and your progress of answering is

Answer

- A
- B
- C
- D

(Choose 1 answer)

(See picture)

A. (i)

B. (ii)

C. (iv)

D. (iii)

Back Next

Let T(n) be an increasing function such that T(n) = 2T(n
Choose the best answer.

(i) $T(n) = O(n)$

(ii) $T(n) = O(\log n)$

(iii) $T(n) = O(n^2)$

(iv) $T(n) = O(n^3)$

I want to finish the exam.

Finish

Exit

Kizspy.me

There are 50 questions, and your progress of answering is

Answer

- [ ] A
- [ ] B
- [ ] C
- [ ] D
- [ ] E
- [ ] F

Back Next

(Choose 1 answer)

(See picture)

A. None of the other choices is correct

B. 7

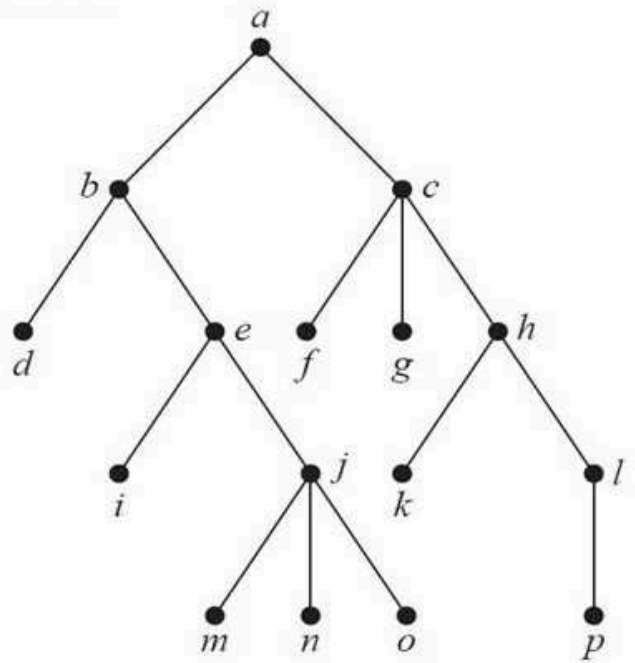
C. 11

D. 10

E. 9

F. 8

What is the position of the letter f when using the **inorder traversal**?



- [ ] I want to finish the exam.

Finish

Exit

Kizspy.me There are 50 questions, and your progress of answering is

Answer

- A
- B
- C
- D

(Choose 1 answer)

(See picture)

A. 516

B. 625

C. 1250

D. 1024

Back Next

Given the algorithm

Procedure LT(n, x : integer)
$n=(a_k a_{k-1}...a_0)_2$ *{the binary expansion of n}*
p:=1;
for i:=0 to k do
    if a_i=1 then
        p:=p*x;
    x:=x*x;
Print(p)

If n = 5, x = 4, what is the output of the algorithm?

I want to finish the exam.

Finish

Exit

Kizspy.me

There are 50 questions, and your progress of answering is

Answer

- [ ] A
- [ ] B
- [ ] C
- [ ] D
- [ ] E

Back Next

(Choose 1 answer)

Given the recursive algorithm that computes the n-th Fibonacci number

```
Procedure F(n: natural number)
If n = 0 then F(n): = 0
else
  If n = 1 then F(n): = 1
  else F(n):= F(n-1) + F(n-2);
```

How many additions are used if n = 6?

A. 8

B. 7

C. 9

D. 12

E. None of the other choices is correct

- [ ] I want to finish the exam.

Finish

Exit

Kizspy.me

There are 50 questions, and your progress of answering is

Answer

- [ ] A
- [ ] B
- [ ] C
- [ ] D
- [ ] E

Back Next

(Choose 1 answer)

What is the average number of bits used for one character when using Huffman coding to en message "mathematic"?

A. 2.8

B. 2.2

C. 2.6

D. None of the other choices is correct

E. 2.4

- [ ] I want to finish the exam.

Finish

Exit

Kizspy.me

There are 50 questions, and your progress of answering is

Answer

- [ ] A
- [ ] B
- [ ] C
- [ ] D
- [ ] E

Back Next

(Choose 1 answer)

How many edges in a full 3-ary tree with 101 leaves?

A. 102

B. 150

C. None of the other choices is correct

D. 101

E. 97

- [ ] I want to finish the exam.

Finish

Exit

Kizspy.me

There are 50 questions, and your progress of answering is

Answer

- A
- B
- C
- D

(Choose 1 answer)

(See picture)

A. (iv)

B. (ii)

C. (iii)

D. (i)

Back Next

Which graph has Hamilton circuits but no Euler circuits?

(i) K_4 (ii) Q_4 (iii) C_4 (iv) K_3

I want to finish the exam.

Finish

Exit

Kizspy.me

There are 50 questions, and your progress of answering is

Answer

- A
- B
- C
- D
- E

Back Next

(Choose 1 answer)

(See picture)

A. (i)

B. (iii)

C. (ii)

D. None of the other choices is correct

E. (iv)

Find the binary expansion of 243

(i) $(11110010)_2$

(ii) $(11100010)_2$

(iii) $(11010011)_2$

(iv) $(11110011)_2$

I want to finish the exam.

Finish

Exit

Kizspy.me

There are 50 questions, and your progress of answering is

Answer

- [ ] A
- [ ] B
- [ ] C
- [ ] D

Back Next

(Choose 1 answer)

How many divisions are needed when using Euclidean algorithm to find the greatest commo and 3135 ?

A. 4

B. 5

C. 6

D. 7

- [ ] I want to finish the exam.

Finish

Exit

Kizspy.me

There are 50 questions, and your progress of answering is

Answer

- [ ] A
- [ ] B
- [ ] C
- [ ] D
- [ ] E

Back Next

(Choose 1 answer)

Which number is congruent to 10 modulo 17?

A. 90

B. 80

C. 85

D. 95

E. None of the other choices is correct

- [ ] I want to finish the exam.

Finish

Exit

Kizspy.me

There are 50 questions, and your progress of answering is

Answer

- [ ] A
- [ ] B
- [ ] C
- [ ] D
- [ ] E

Back Next

(Choose 1 answer)

Which sequence can be the degree sequence of a simple graph?

A. 2, 2, 3, 3, 4, 4

B. 2, 2, 4, 4, 5, 5

C. 0, 1, 2, 3, 4, 5

D. 1, 1, 1, 2, 2, 2

E. 1, 1, 2, 2, 4, 4, 6

- [ ] I want to finish the exam.

Finish

Exit

Kizspy.me

There are 50 questions, and your progress of answering is

Answer

- [ ] A
- [ ] B
- [ ] C
- [ ] D

Back Next

(Choose 1 answer)

Given the Binary search algorithm (See picture)

If input = 2, 4, 5, 7, 8, 9, 10, 13 and x = 11, after the third time of dividing into sublists, the sublist to be considered is_____

A. 10, 13

B. 13

C. 10

D. 9, 10

procedure **Binarysearch**($a_1<a_2<\ldots<a_n$, x: integer)

```
i:=1
j:=n

while (i<j)
      m:=⌊(i + j) / 2⌋
      if x > a_m then i: = m+1
      else j:=m
if x = a_i then location: = i
else location: = 0
```

- [ ] I want to finish the exam.

Finish

Exit

Kizspy.me

There are 50 questions, and your progress of answering is

Answer

- [ ] A
- [ ] B
- [ ] C
- [ ] D

Back Next

(Choose 1 answer)

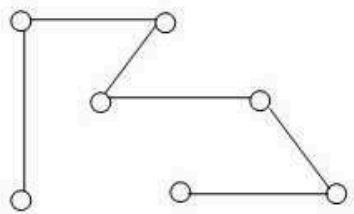
How many cut vertices and cut edges in this graph? (See picture)

A. 6 and 6

B. 5 and 5

C. 7 and 6

D. 5 and 6



- [ ] I want to finish the exam.

Finish

Exit

Kizspy.me There are 50 questions, and your progress of answering is

Answer

- [ ] A
- [ ] B
- [ ] C
- [ ] D
- [ ] E

Back Next

(Choose 1 answer)

(See picture)

A. 127

B. 123

C. 121

D. 125

E. None of the other choices is correct

Given a sequence $\{a_n\}$ satisfying the recurrence relation

$$a_0 = -1,\ a_n = a_{n-1} + 2^n \text{ for } n = 1, 2, \ldots$$

Find a_6.

- [ ] I want to finish the exam.

Finish

Exit

Kizspy.me

There are 50 questions, and your progress of answering is

Answer

(Choose 1 answer)

- [ ] A
- [ ] B
- [ ] C
- [ ] D

Back Next

Find a if LCM(a, 4200)=58800 and GCD(a, 4200)=280.

A. 11760

B. 784

C. 1960

D. 3920

I want to finish the exam.

Finish

Exit

Kizspy.me

There are 50 questions, and your progress of answering is

Answer

- A
- B
- C
- D
- E

Back Next

(Choose 1 answer)

(See picture)

A. 28

B. None of the other choices

C. 26

D. 27

E. 25

Find $f(5)$, if $f(n)$ is defined recursively by

$f(0) = -1,\ f(1)=2,$

and

$f(n+1) = f(n) + 5f(n-1)$ for $n=1, 2, 3, \ldots$

I want to finish the exam.

Finish

Exit

Kizspy.me

There are 50 questions, and your progress of answering is

Answer

A
B
C
D
E

Back Next

(Choose 1 answer)

(See picture)

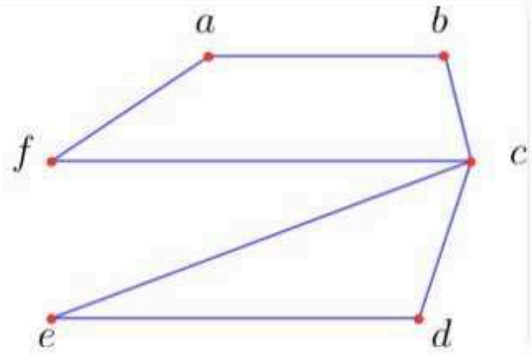
A. (iii)

B. (ii)

C. None of the other choices is correct

D. (i)

E. (iv)



The adjacency list to represent the given graph is

(i)

Vertex	Adjacent Vertices
a	b, f
b	a, c
c	d, e, f
d	c, e
e	c, d

(ii)

Vertex
a
b
c
d
e

I want to finish the exam.

Finish

Exit

15

Kizspy.me

There are 50 questions, and your progress of answering is

Answer

- A
- B
- C
- D
- E

Back Next

(Choose 1 answer)

(See picture)

A. (ii)

B. (iii)

C. (iv)

D. None of the other choices

E. (i)

Let $P(n)$ be the statement "$3n = 0$". The domain consists of all non-negative integers.

A proof of $\forall n P(n)$ is as follows:

(i) $P(0)$ is clearly true.

(ii) Assume that $P(0), \ldots, P(k)$ are true for some non-negative integer k.

(iii) Write $k+1 = i+j$ for some integers i, j with $0 \leq i, j \leq k$.

(iv) We have:

$3(k+1) = 3i+3j = 0+0 = 0$, as $P(i)$, $P(j)$ are true. So $P(k+1) = 0$. By strong induction, we conclude $\forall n P(n)$.

Which step is wrong in this proof?

I want to finish the exam.

Finish

Exit

10

Kizspy.me

There are 50 questions, and your progress of answering is

Answer

- A
- B
- C
- D

(Choose 1 answer)

(See picture)

A. 3

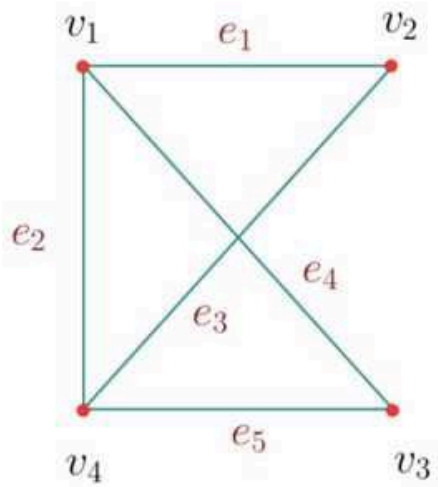
B. 2

C. 1

D. 0

Back Next

Let M be the incidence matrix of the given graph w
indexed by v_1, v_2, v_3, v_4, and the columns indexed b
e_4, e_5. What is the sum of the entries in the fourth ro



I want to finish the exam.

Finish

Exit

11

Kizspy.me

There are 50 questions, and your progress of answering is

Answer

- [ ] A
- [ ] B
- [ ] C
- [ ] D
- [ ] E

Back Next

(Choose 1 answer)

Let G be a simple graph whose vertices are of degree 3. If G has 15 edges, how many vertic

A. 10

B. 20

C. 5

D. 25

E. Such G does not exist

- [ ] I want to finish the exam.

Finish

Exit

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There are 50 questions, and your progress of answering is

Answer

- A
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- D
- E

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(Choose 1 answer)

(See picture)

A. (iv)

B. (ii)

C. (iii)

D. (i)

E. None of the other choices is correct

Find the negation of the proposition

$$\exists x \forall y (P(x,y) \rightarrow Q(x,y)).$$

(i) $\forall x \exists y (\neg P(x,y) \wedge Q(x,y))$

(ii) $\forall x \exists y (P(x,y) \wedge \neg Q(x,y))$

(iii) $\exists x \forall y (\neg P(x,y) \wedge Q(x,y))$

(iv) $\exists x \forall y (P(x,y) \wedge \neg Q(x,y))$

I want to finish the exam.

Finish

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(Choose 1 answer)

(See picture)

A. None of the other choices is correct

B. h

C. g

D. g and h

E. f and g

Let N = {0, 1, 2, 3, ….}.

Which of the following functions are onto from N to N?

$f(n)=\left\lceil n-\frac{1}{2}\right\rceil$

$g(n)=\lfloor n \rfloor$

$h(n)=n+1$

I want to finish the exam.

Finish

Exit

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(Choose 1 answer)

(See picture)

A. (iii)

B. (i)

C. (ii)

D. (iv)

E. None of the other choices is correct

Find the negation of the proposition

$$\exists x(P(x) \to Q(x))$$

(i) $\forall x(Q(x) \to P(x))$

(ii) $\forall x(\neg Q(x) \to P(x))$

(iii) $\forall x(\neg Q(x) \wedge P(x))$

(iv) $\forall x(\neg Q(x) \wedge \neg P(x))$

I want to finish the exam.

Finish

Exit

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- [ ] D
- [ ] E

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(Choose 1 answer)

What is the maximum height of a full binary tree with 101 vertices?

A. 50

B. 100

C. 6

D. 101

E. None of the other choices is correct

- [ ] I want to finish the exam.

Finish

Exit

Kizspy.me

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Finish

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- D
- E

Back Next

(Choose 1 answer)

(See picture)

A. None of the other choices is correct

B. 101100

C. 001101

D. 110000

E. 111101

Find the value of the expression

$$(101101 \vee 110001) \oplus 001101$$

I want to finish the exam.

Finish

Exit

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- [ ] A
- [ ] B
- [ ] C
- [ ] D

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(Choose 1 answer)

(See picture)

A. {1, 2, 3, 4, 5}

B. {0, 1, 2, 3, 4, 5, 6}

C. {1, 2, 3, 4, 5, 8}

D. {1, 2, 3, 4, 5, 6, 8}

Let

$A = \{0, 2, 4, 6, 8, 10\}, B = \{1, 2, 3, 4, 5, 6\}$ and $C = \{1, 2, 3, 4, 5, 7, 8, 9\}$.

Find $(A \cup B) \cap C$.

- [ ] I want to finish the exam.

Finish

Exit

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- [ ] C
- [ ] D
- [ ] E

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(Choose 1 answer)

Using Prim's algorithm to find a minimal spanning tree. What is the list of edges chosen?

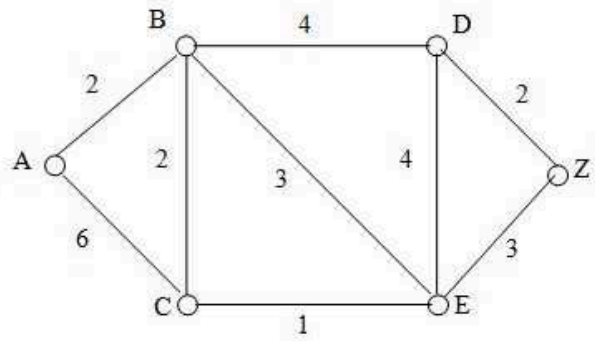
A. CE, BC, AB, DZ, EZ

B. CE, BC, AB, EZ, DZ

C. AB, BC, CE, BD, DZ

D. CE, BC, AB, BD, DZ

E. None of the other choices is correct



- [ ] I want to finish the exam.

Finish

Exit

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(Choose 1 answer)

(See picture)

A. (iii)

B. (iv)

C. (ii)

D. (i)

Which of the following sets is the power set of

(i) $\{\varnothing,\{a\},\{\varnothing,a\}\}$

(ii) $\{\varnothing,\{a\},\{\varnothing\},\{a,\varnothing\}\}$

(iii) $\{\varnothing,\{a\},\{\varnothing\},\{a,\{\varnothing\}\}\}$

(iv) $\{\varnothing,\{a,\varnothing\}\}$

- [ ] I want to finish the exam.

Finish

Exit

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