Pegree of Vertex:

Totals: Undrieded graphs: deg wis 1 v. w. f. E. J. \(\subseteq \text{sign} \) = \(\subseteq \text{sign} \) is directed graphs: \(\supercond \supercond \text{sign} \) = \(\subseteq \text{sign} \) length of path: \(\supercond \text{sign} \) is number of edges: \(\text{Ret} \) is graph (motivated): \(-\text{each} \) for of vertices formed by a path. \(\supercond \text{sign} \) is straighted. \(\text{Strangly} \) connected graph (directed): \(-\text{each} \) for the path) \(\text{virile} \) is directed for the directed graph (directed): \(-\text{each} \) for the path) \(\text{virile} \) \(\text{conn} \) \((18) Affective anticopherical for all x65, (28, 78) or than 4, x/6R.

(5) Affective anticopherical for all x/65, (28, 7) or all x/6R.

(6) Affective anticopherical for all x/6C. If (x/7) and (y/2) or the (x/2) or 23 = moderal diginant

A minimal element

A minimal This equivalence relations is: (Expartie) (Complete hypothe)

[Expartie) (Complete hypothe) Transitive O(fm); the class of all functions of that are asymptotically less than f.

In (fm); the class of all functions of that have the same order of growth as f.

O(fm): the class of all functions of that have the same order of growth as f. Ocyclic graph (大成用) = Tree: connected acyclic Lundracted J graph. 15 16017 Huly) Mary they be must combine destablished of the more than 200 1813. K. for hard s. the s. s. s. s. s. s. nonparar when MY3 and MY3. 8 Andsymmetric II: O Store with G Hasse diagrams: 36. Marienum element: 36 First and invitable of the first of the with H is a substitute on one of the first (K) 如此: reflexive, tatter all x05; (x,x) 0R Mank. A Service A sound not B or Beard not K and A Service A sound not B or Beard not K and not B or Beard not K ax not A Service A serv ANB = ANB Sumedic deformer. (#4) Therefore is culted suspective or onto (#4) of = hose of (associative, ABB = 4) BN (A) = footable for a culted suspective or onto (#4) of Intf) = Codom of Cardinality: |X| = #(X) = card(X) | Fuction is called injective or t-1. (141 180) if fur. = footable for cardinality: |X| = #(X) = card(X) | Fuction is called injective or t-1. (141 180) if fur. = footable for card(X) | Fuction is called injective if it is both; surjective and injective | Pow(X) = 2 | X| | Extraordinality: A finite, nonempty set. Euclid (Aish) (min min) (min) (min) math mentimod n) and p-planed n)

(min n' n=n' (mod n) and (mod n)

(aster Euclid (Ais) god (min) (min) (min) (min) so domain of f (ixin) Dom(f) inputs = 1 the tree of all nonempty set.

2 ide the laws of Set opportions

20= 1x1 E1=E Z*= Set of all words of all longels Z** (secretary). A UB, BUA A AB = BAA

Et =: set of all nonempty words. A-complement (*144) (*15-7 warrersal set 1) T co-domain of fillering) Codoing) possible output A, B are distrinct of A, B = 4 f(5) mage of f (ACE) Int) acrod, augusts for m, nez, m divides an if n-km for some kez mois n = [m]

mois n = [m]

olo=1 the greatest commin obvisor of m and n: god (m.n.) Artistles. the least common multiple of m and n: lom (m.n.) Artistles. 010=1 [m (men) m = m - (mdirn). N (mrs) m= p. (mdirn). N datis: m= p. AUX AUX ANA P (Compensation) Reat numbers: R.

1.1. R. + 2. - floor of X.

1. God (m, n) = (m, n) = (m, n) = (m, n) = (m, n) + floor of X.

1. R. + 2. - (m) of X.

1. R. + 3. - (m de Margon's Lewis (A NB) = AUBC 3x A: Find a value of x that make A true; 3 ACAS: Place "If A, than B" and "If the than A." B and I are thoung as quantitions (BED) A, B are, dispiret of An B = \$ A \ B = A N B Ux.A: show A hads for every possible X picfall (杨年,读台) A => B. Assume A and prove B

(p <> | |) are with the provided of the provi + it than limples, wherever, is surpromy case is it crown to the limbes, goody when, if eq. T(n) = T(2) + 17. T(1) = 1.

**Think With the continuous or the in the intervention of the int (R) if q and it are wife then some way first, twenty fine transfer some see prosent over a set of propositional parables. Afoliss, Agraphic University the recurrence. (B) I is a wift than the is a wift the standard with both construction with both construction with both construction with the interior with the construction with both construction with both construction with both construction with the construction with both constructions and the construction with both constructions with the construction with the cons a see of formulas is a Theory.

A thursh assymment v sacisfies a theory T if vity) = thue.

A theory T entrolls a formula p, T to p, if vity) = true for all assymments v which sacisfy T. Two formulas, y and H, are logically equivalent, y=H, if vup) = V(H) for all truth assignments. V. A. C., where Crize a destignation of literals. Voir, where Ci is a conjunction of literals. Approach 3: Master Theorem Conjunctive normal form: (CNF): Disjunctive normal form: (DNF): => fm)60(2) Karnowsh Maps: X F GVQ)VR = PVBVR) P-9=7P-7P B195 = 2049 7PV9)=7PA79 7=920 (Pertion with the state of State of the St CAN HO STATE STATE STATE STATE OF THE STATE for all propositions P.B.R. PN(RVR)=(PAR)V(RAR) (PAB)AR = PA(BAR) B) T is a wiff (十个台) PVR = QVP CHVHO PAR = BAP PNATEP Consistency programy:

P(E1S) = P(S) (765+0) A and B are proberedent (ALB) of P(A) P(B) = P(S)

Oned ALB & ALB & ALB & ALB & ASLB からこれがいる」のからのとう アンファス はいろんかく is a structure (T, V, M, ' , 0, 1) where If (M, 1) & M. M. (M-1) (M-2) (M-1+1) = M. 少い 以子 MINING WITCHAM STATE STATE is conversed in the permittations of the state of the sta いこととというかんと アンカー・ケ With inclusion Orden neathers Examples Formula.
Yes North of Longth No. 7.
Yes K-permutations T. (M.R.). The expected value of a random variable X is: $E(X) = \sum_{k \in \mathbb{Z}} P(X) = k$ P(X) = k P(X) =(4) V: $TxT \rightarrow T$ (called poin).

A: $TxT \rightarrow T$ (called mot)

A: $TxT \rightarrow T$ (called mot)

A: $TxT \rightarrow T$ (called mot) multisets of cisek (nthe-1) 165 North of Lorenth of Lorenth No Subset of Sive K. Mo multisets of Sive K. Stleoting Kitens from a set of n stome. 5 26 2 J.M.A 一手サラ 7-selections (1-combinations): Charles and sent with the CONTRACT REPORTS A share of property of the state of the stat The section of the se では、日本の本の 田野の歌の大田の中。 Short of the State of the Code of the State commetative: XVY=YVX and following laws hald for out, 2,7267: xy/=/ax 1: 7-57 (called complementation)

Regulative: (XVIVZ = XV(YVZ)

Boolean algebra:

(KNYNZ = XN(NZ)

P SP 与描全能王 创建

リングル

· 中山