AI 2M and 3M questions you Mid-1
Describe the foundations of A.I. in detail.
2) Describe any 5 sub-fields latters of A.I.
(2) Mention a few applications of
a Discuss the Modern terends of A.I.
(a) Discurs the Modern where of Peroduction System and (b) Solve the Water-Tug peroblem using Peroduction System and
State Space Search.
Some the Missionary-Cannibal problem using Production System and State Bace Search.
and State Space Search.
a it the star of Debth tust search
example. (9) Describe the algo, of Broadth Frust Search & demonstrate it with (8) Describe the algo, of Broadth Frust Search & demonstrate it with
1 Describe the algo. of
an example.
an example. (a) Describe the algo of IDDFS & demonstrate it with an example. (b) Describe the algo of Uniform Cost Search & demonstrate it with with an example.
To Describe the algo of Uniform
with an example.
with an example. Describe the algo of Best Frust Search & demonstrate it with an example.
an example. (1) Rescuibe the algo. of A * leavel or demonstrate it with an example. example.
(1) perouse the edge
13) Solve the following Coupt-withmetic peroblems: 13) Solve the following Coupt-withmetic peroblems: 2) CROSS 3) LOGIC 4) SEND
BASE 2) CROSS 3) LOGIC 4) SEND + MORE
HRALL GIAMES DANGIER PROLOGI PROLOGI MONEY Accordant of with an example.
a var a demovos acc
(4) Resouble the Mini-Max arguments a use an example to (5) Resouble & B. forming technique a use an example to denonstrate it.
demonstrate it. demonstrate it. Natural Deduction System.
Notices! Deduction system
16) Give the Goduction System; some the following it tell whether
(1) Using Naturalthe inferences made acc valla AV (BAC) - (AVB) ACAVC) (iii) (AVB) A (AVC)
Gyive the 10 laws of NATIONALL of Hollowing it tell whether I Using Naturalythe inferences made are valid. (1) Using Naturalythe inferences made are valid. (1) (BNC) - (AVB) N(AVC) (iii) (AVB) N(AVC) (I) (A-B) NA] - -B (ii) AV (BNC) - (AVB) N(AVC) (III) (AVB) N(AVC) (IV) [CPNG), MI] - (GNH) (V) (NPVG) - (P-9V) (IV) [CPNG), MI] - (GNH) (V) (NPVG) - (P-9V)
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(18) Using Axionatic System, Solve the following in tell whether the inferences made are valid. () {(p->q), (q->u) y 1- (p->u) (i) 1- ~ > (p -> q) 19 Using Semantic Tableau Method, prove that (ANB) N (B > ~A) Find whether for (AVB), (B->C), (AVC) & is a consistent set using Senantic Tableau Method. Using Resolution Refutation Method, some the following: (i) S= L(AVB), (~AVD), (CY~B) & - (CVD) (i) Puove that (BVC) is logical consequence of GANB, NAVCY. (ii) (AVC) is logical consequence of AA, B->C, By. (iv P.T. CC > A) is logical consequence of 4(BAC) -> A, By (P.T. (AVNB) is logical consequence of {(AV(), (~BV~()) (VI) P.T. (~UNS) is logical consequence of L(AVC), (C->B), ~B, (A->S),~UY.