UNITED INTERNATIONAL UNIVERSITY





Am to the que no: 2

The heighbour will accept if the values REP. And P=e .

for T= 8:

heighbour 1:

DE = 4-10 =-6; P= e-6/8 = 0.47220.55 [hot accepted].

Neighbour 2:

DE=9-10=-1; P=e-218=0.9 L0.95

[hot accepted]

neighbour 3:

DE = 5-10 = -5; P= e = 0.53> 0.5 (accepted).

heighbour 4:

DE=12-10=2; P=e = 2.28>0.2 [accepted].

heighbour 5:

DE = 6-10=-4; P= = 0.6>0.35 [accepted].

for T=8; neighbour 3,4,5 will be accepted.

少かて=2°

heighbour 1: $P = e^{-6/2} = 0.05 \angle 0.55$ [hot] heighbour 2: $P = e^{-1/2} = 0.6 \angle 0.95$ [hot] heighbour 3: $P = e^{-5/2} = 0.08 \angle 0.5$ [hot]

neighbour 4: P= e2/2 = 2.727 0.7 [accepted]

heighbour 5° P= e-412 = 0.135 (0.35 (not)

for T= 2; neighbour 4 will be accepted.

for T= ∞:

P= e DE/T = e DE/00 = e = 1

all heighbour will be accepted. Because there is no random generator values that is greater than I.

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(4)

range of values:

a > a720

b > b \(20 \)

(> c720 \)

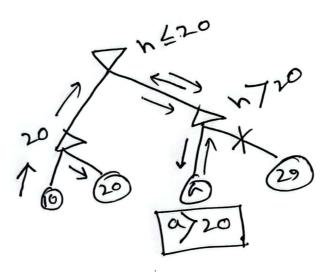
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رملي

first of all by applying DFS the left most banch (max) checking between 10 & 20; which one is greater. So in the upper left most branch (min) it pass the value 20. Again it come down to "a". Now "a"s parent is max and that max's parent is min. So, If I give the "a" value greater.

than 20 because the min branch updated the powent with 20.50 the chosen value of a prum the branch with willy value of 29.



Ans to the ques no: 3

Variables: $\{1, 2, 3, 4, 5, 6, 7\}$ Domains: $\{r, g, b, \omega\}$ constraints: $\{1, 2, 3, 4\}$ $1 = \{r\}$ $3 \neq \{9, b\}$ $7 \neq \{3\}$ $7 \neq \{3\}$ $7 \neq \{5, 6\}$ $7 \neq \{5, 6\}$ $7 \neq \{5, 6\}$ $7 \neq \{5, 6\}$ $7 \neq \{5, 6\}$

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