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Ans to the que NO-1

Ans to the gue No. 2.0)

:. -[fip-) a) ~ ((p-) -1 av)] and 1p ~ av

is logically earnilivatent.

Ansto the que NO 2(d)

Rule of resolution,

pra premise (2)

-arr premise (2)

-i apro conclusion

As It is a toutology.

the conclusion must be true for a valid argument.

so it is valid.

Anstogreno-26

D = VP = Q (Apar = 4), P = R+, Q = N
P = R+

P=1, Q=1; $4\times 1\times 1=4$; $4\times 0\times 1=4$; $4\times$

.. How the satement is true.

P=2; $p^8=2^8=400$ $2^4=p8 \times p^4$

: It is fatter true

3 Vx (12n≥3n) x€Z

9C=1 12×1=12 3×1=3 12×>3

x = 2 12×2=24 3×2=6 24>6

: it I true