CS & IT ENGINEERING

Computer Network

IPv4 Addressing

DPP 03

(Discussion Notes)

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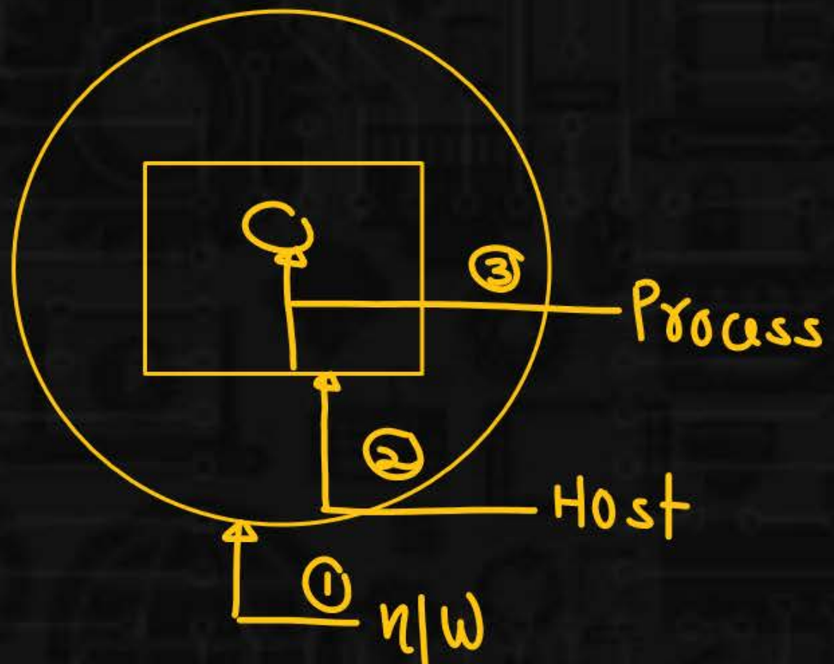
01 Question

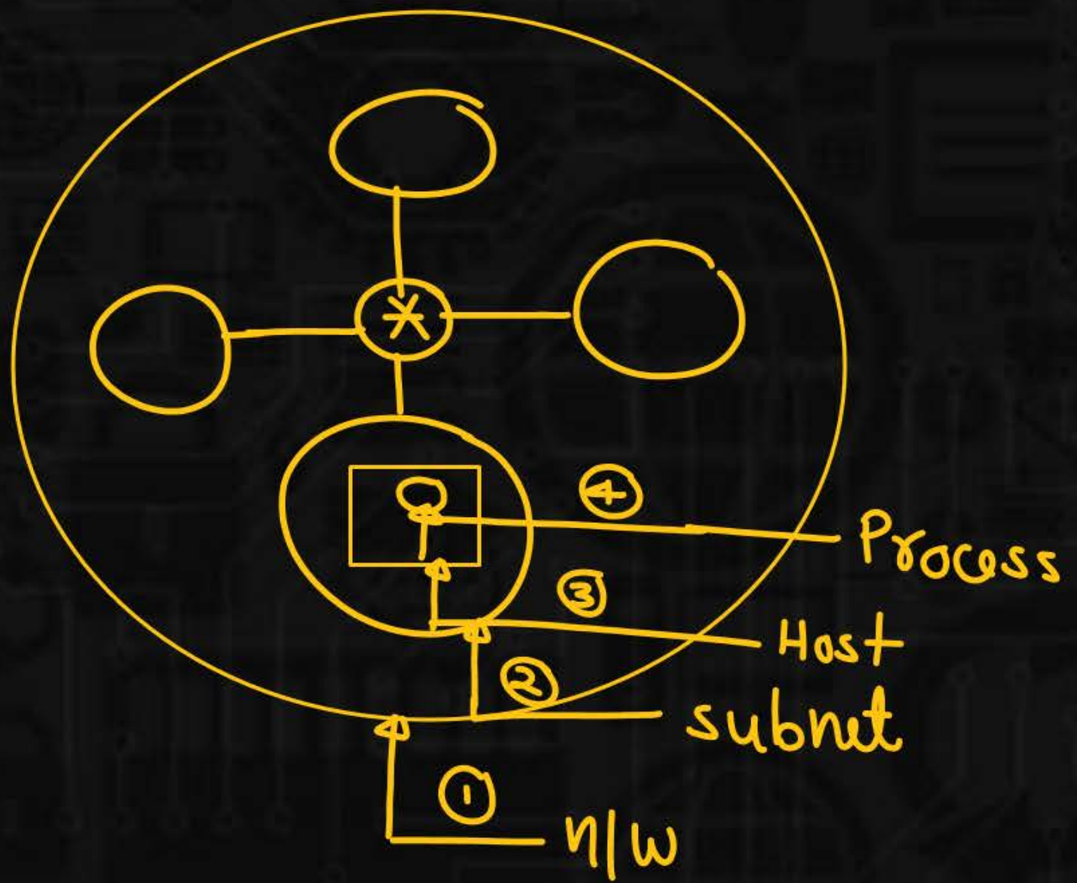
02 Discussion

Q.1

After subnetting how many steps are needed to communicate with process? 4

[NAT]





Q.2

[MCQ]

Consider the following statements:

S_1: Subnetting was devised to divide a large block (Network) into smaller ones.

S_2: Subnetting was devised to combine several class C blocks into a large block.

Which of the following is/are correct?

A. S_1 only

B. S_2 only

C. Both S_1 and S_2

D. None of these

Q.3

[MCQ]

Consider the following statements:

(T) S_1: In Subnetting subnet bits are borrowed from host ID part.

(F) S_2: In Subnetting subnet bits are borrowed either from HID part or from NID part.

(T) S_3: Subnetting provides security to one network from another network.

Which of the following is/are correct?

A. S_1 and S_2

B. S_1 and S_3 ✓

C. S_2 and S_3

D. All are correct

Q.4

Which of the following is/are correct statement? [MSQ]

A. First subnet ID and entire network ID is always same.

B. Last subnet ID and entire network ID is always same.

C. DBA of the first subnet and DBA of entire network is always same.

D. DBA of the last subnet and DBA of entire network is always same.

(A, D)

Q.5 Consider a subnet mask 255. 255.255.192, the number of subnets is/are possible: **[MSQ]**

A. 2^{18}

B. $2^{18} - 2$

C. 2^{2}

D. $2^{7} - 2$

A, C

classA : 255.0.0.0

class B : 255.255.0.0

class C : 255.255.255.0

11111111.11111111.11111111.11000000

classA

class B

class C

THANK YOU GW
SOLDIERS !