

WELCOME TO Adda 2417

"If you can think, you can Achieve"
So start thinking..

Renu Raj Garg
M.Tech (VLSI Design)
13 Year of Teaching
Experience
Worked 10 Year in NTRO

GATE 2024





COMMUNICATION



SAMPLING THEOREM QUESTIONS

TIME- 9:00PM

RENU SIR



Chapter-2 Digital Communications

In today's lecture we will cover the following Topis:

1. Sampling Theorem Questions



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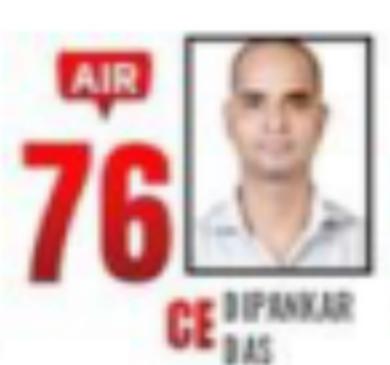
































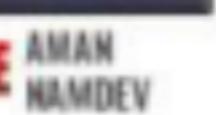


























Know How You Can

Ask Your Doubts 24x7.

AND THE RESIDENCE OF THE PARTY OF THE PARTY

Direct interaction with Adda247 Faculty team

No Subscription Required





Start Apr 11, 2023

7:30 AM to 11:30 PM

OU TUDE Classes Schedule (2)





EXAM TARGET	SUBJECT	TIME	FACULTY
ALL PSUs	ENGINEERING MATHS	11:00 AM	ANANT SIR
GATE 2024-25	NETWORK THEORY	6:00 PM	RAVISIR
GATE 2024-25	ELECTRICAL MACHINE	7:30 PM	SANTAN SIR
GATE 2024-25	COMMUNICATION	9:00 PM	RENU SIR

FREE APP CLASS SCHEDULE

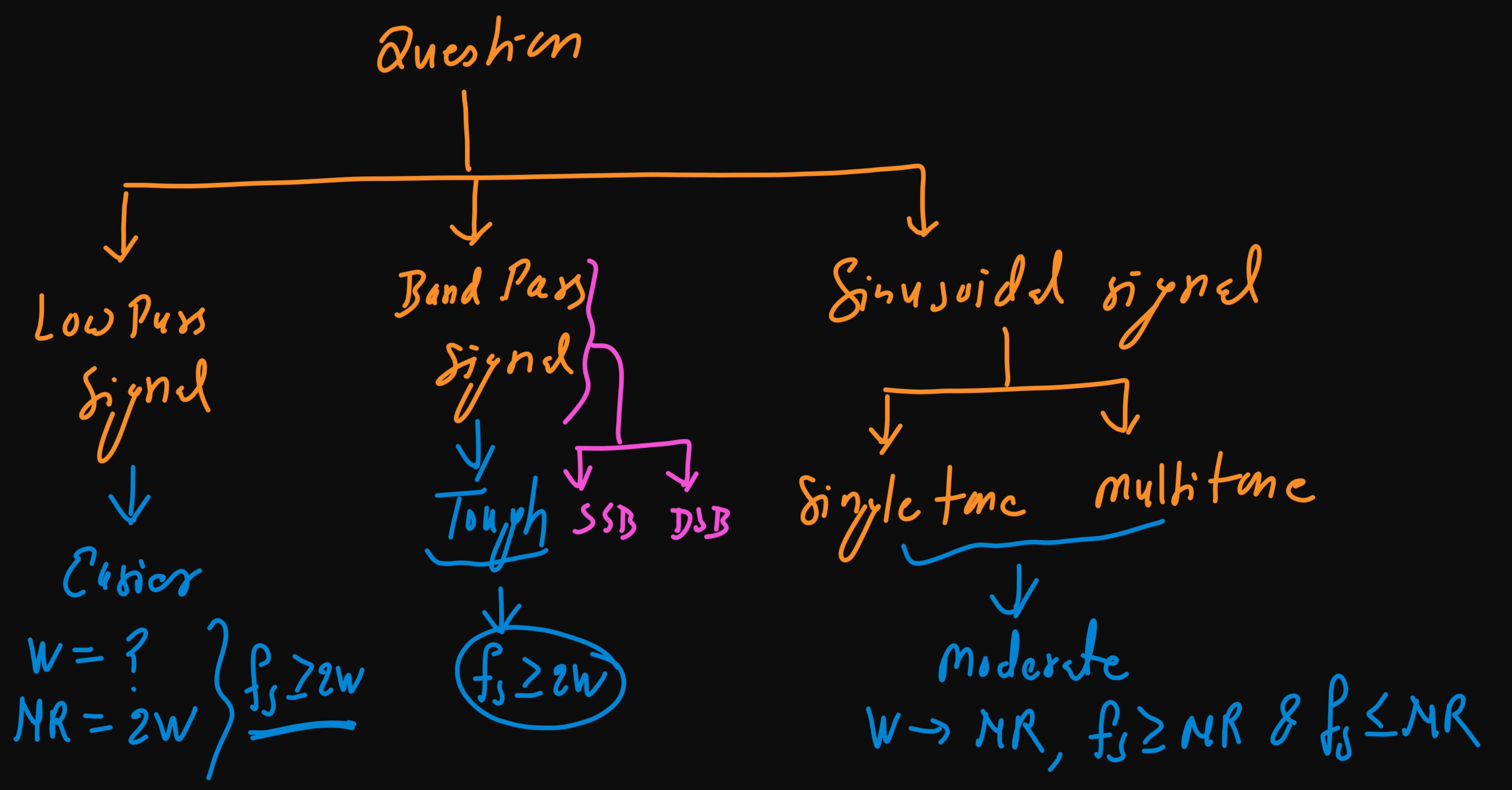
EE & ECEENGINEERING



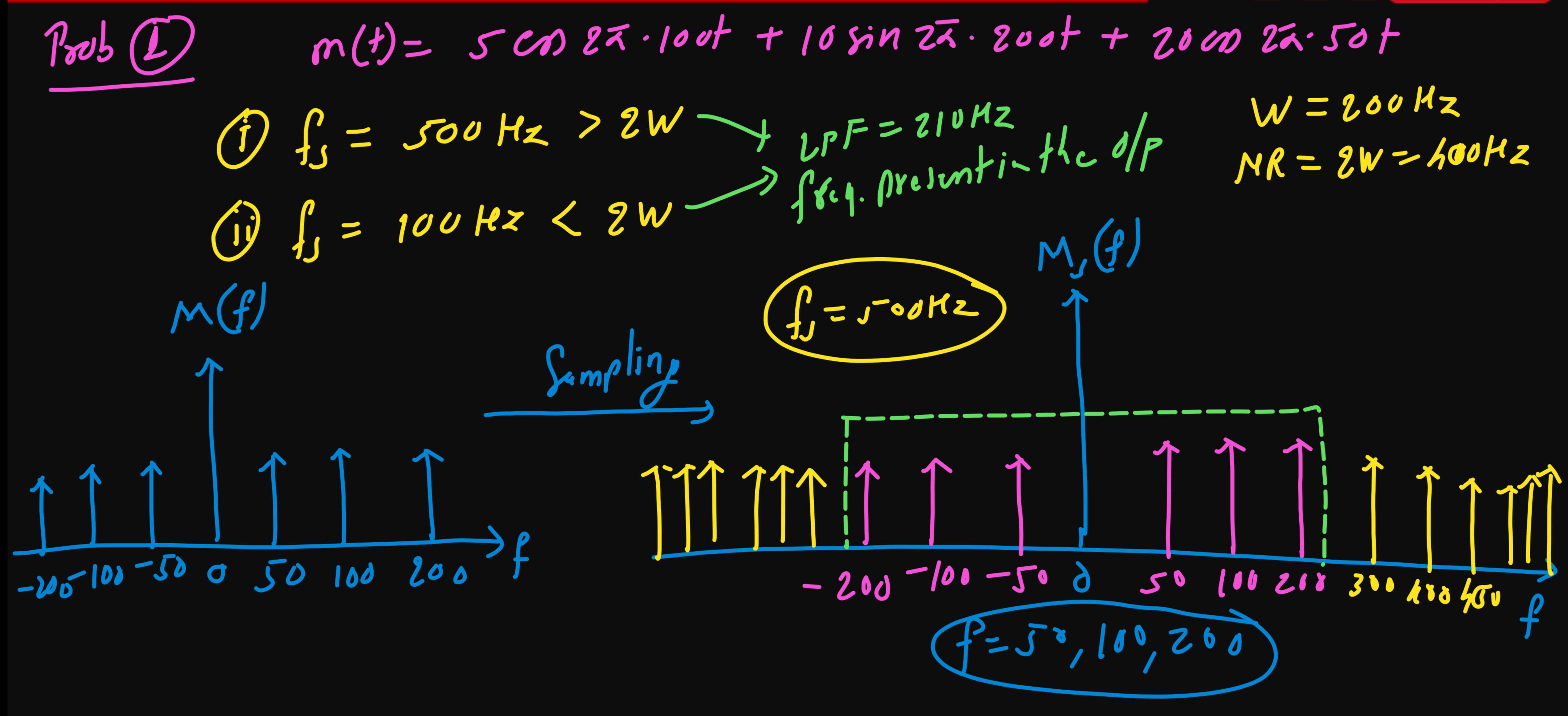
NETWORK THEORY	SATURDAY Live @11AM	RAVISIR
COMMUNICATION	WEDNESDAY Live @8PM	RENU SIR
ANALOG ELECTRONICS	THURSDAY Live @8PM	LAWRENCE SIR
ENGINEERING MATHEMATICS	FRIDAY Live @11AM	ANANT SIR
ELECTRICAL MACHINE	MONDAY Live @8PM	SANTAN SIR



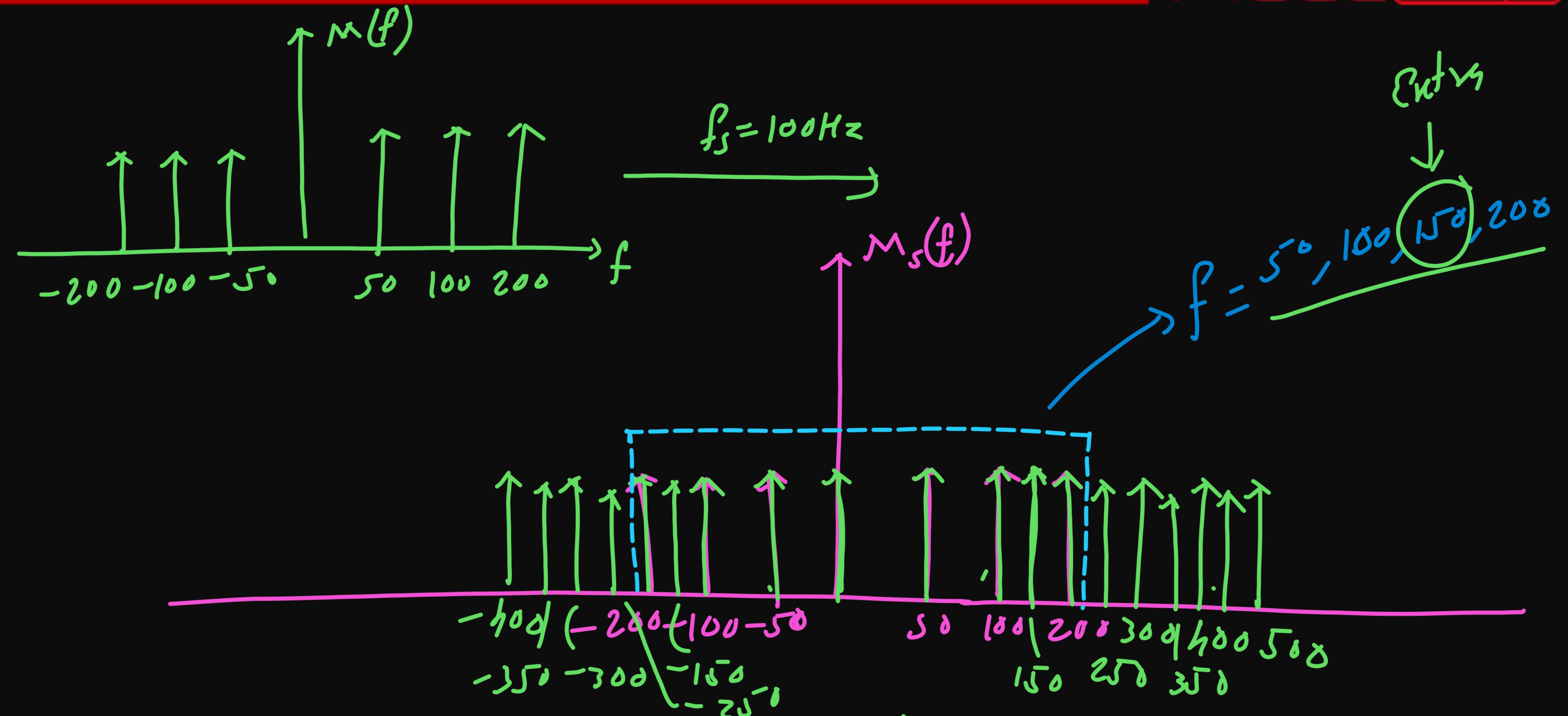








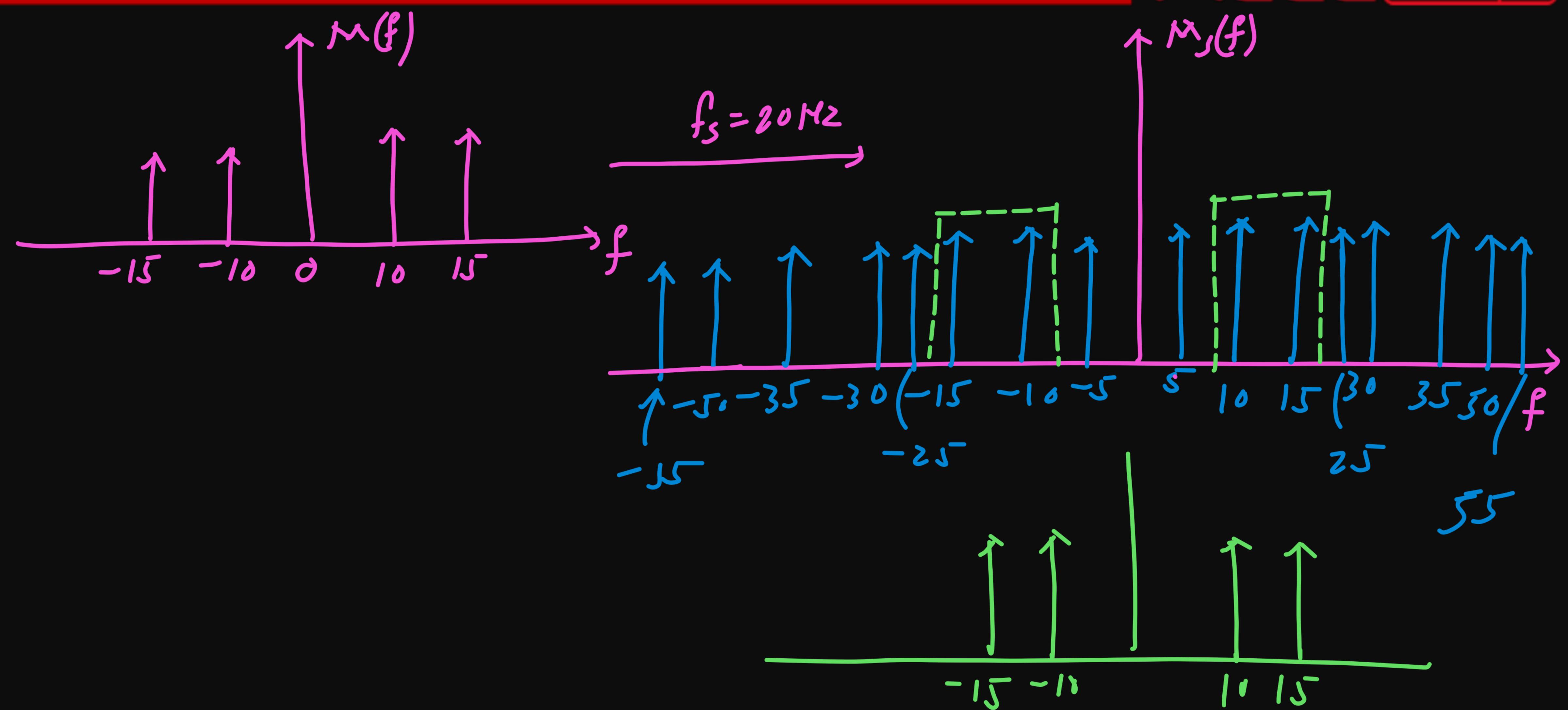




B05 (2) m(t) = 10000 Ex. 10t + 205in Ex. 15t $W_1 = 10$ $W_2 = 15$ $w = max(W_1, W_2) = 15Hz$ MR = 2W= 30 HZ If $f_s = 20 \, \text{Hz} (less than MR)$

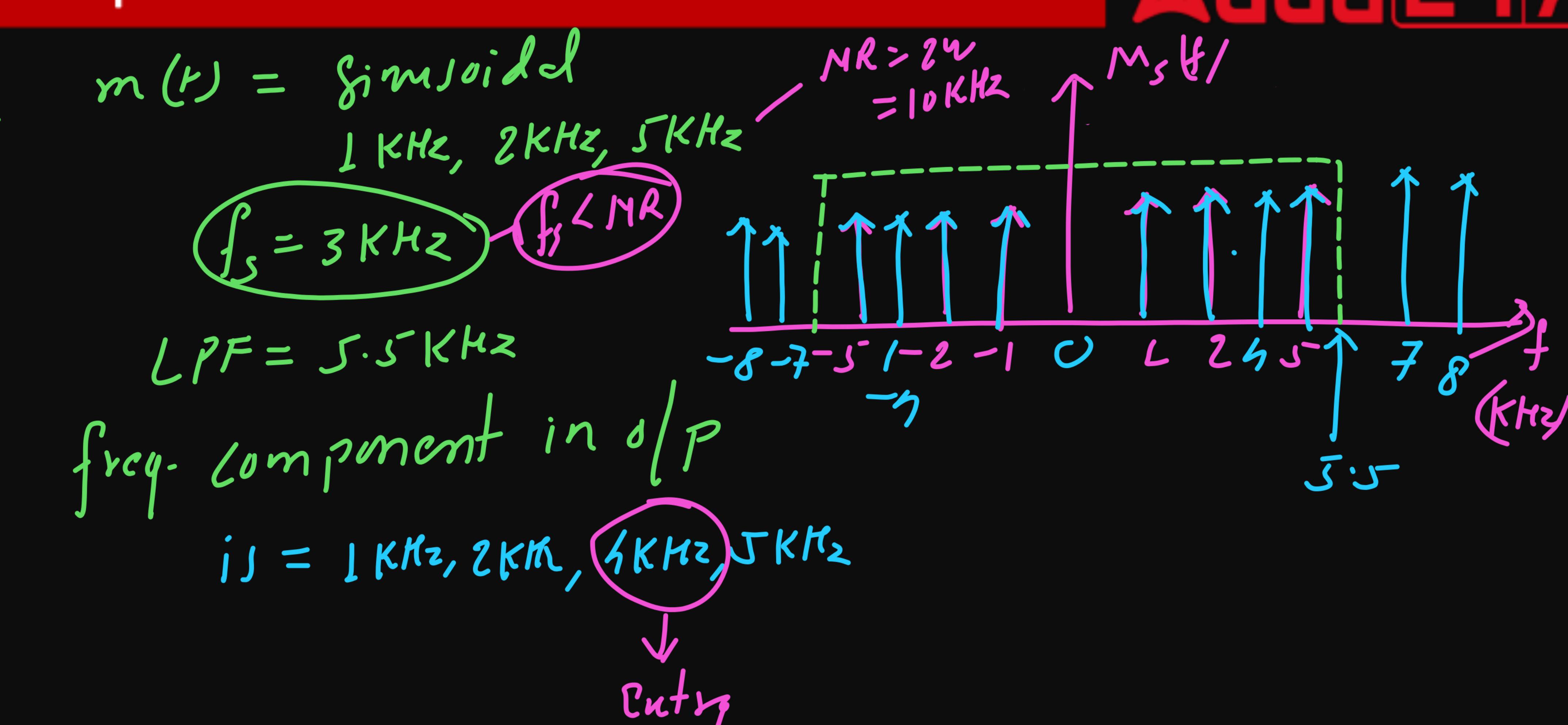
 $BPF = 8Hz + 0.17 Hz \longrightarrow olp = f = 10Hz & 15Hz$ $LPF = 17Hz \longrightarrow olp = f = 5Hz, 10Hz, 15Hz$





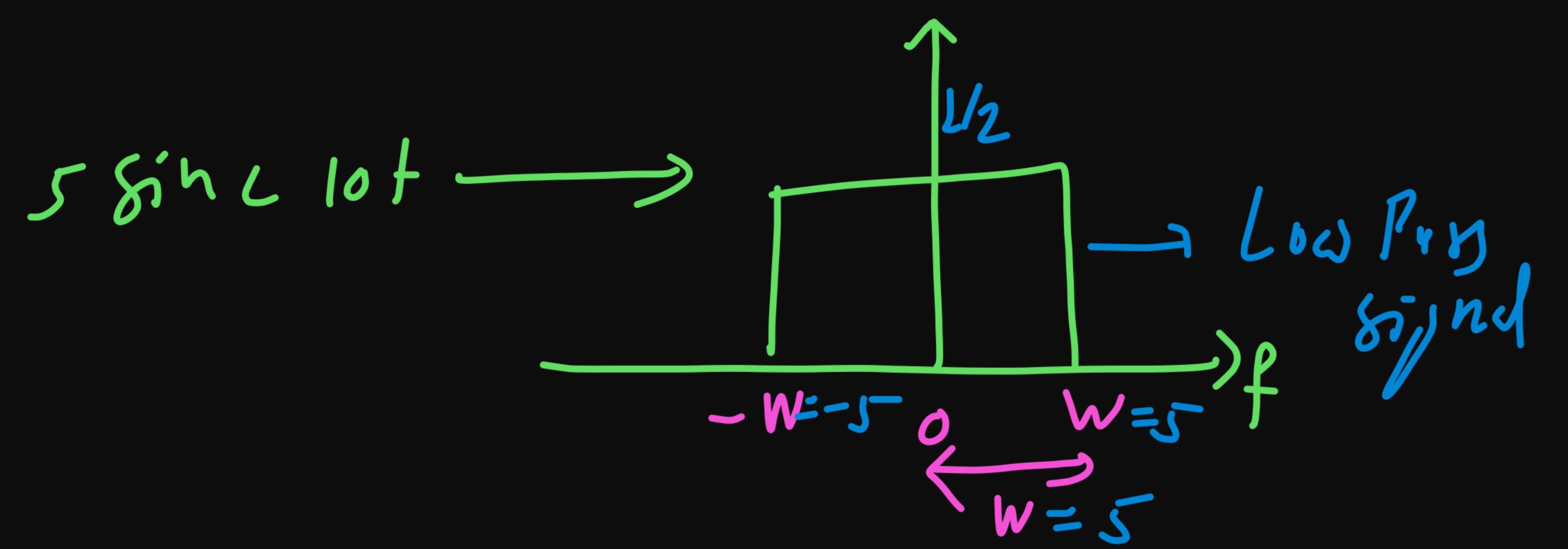






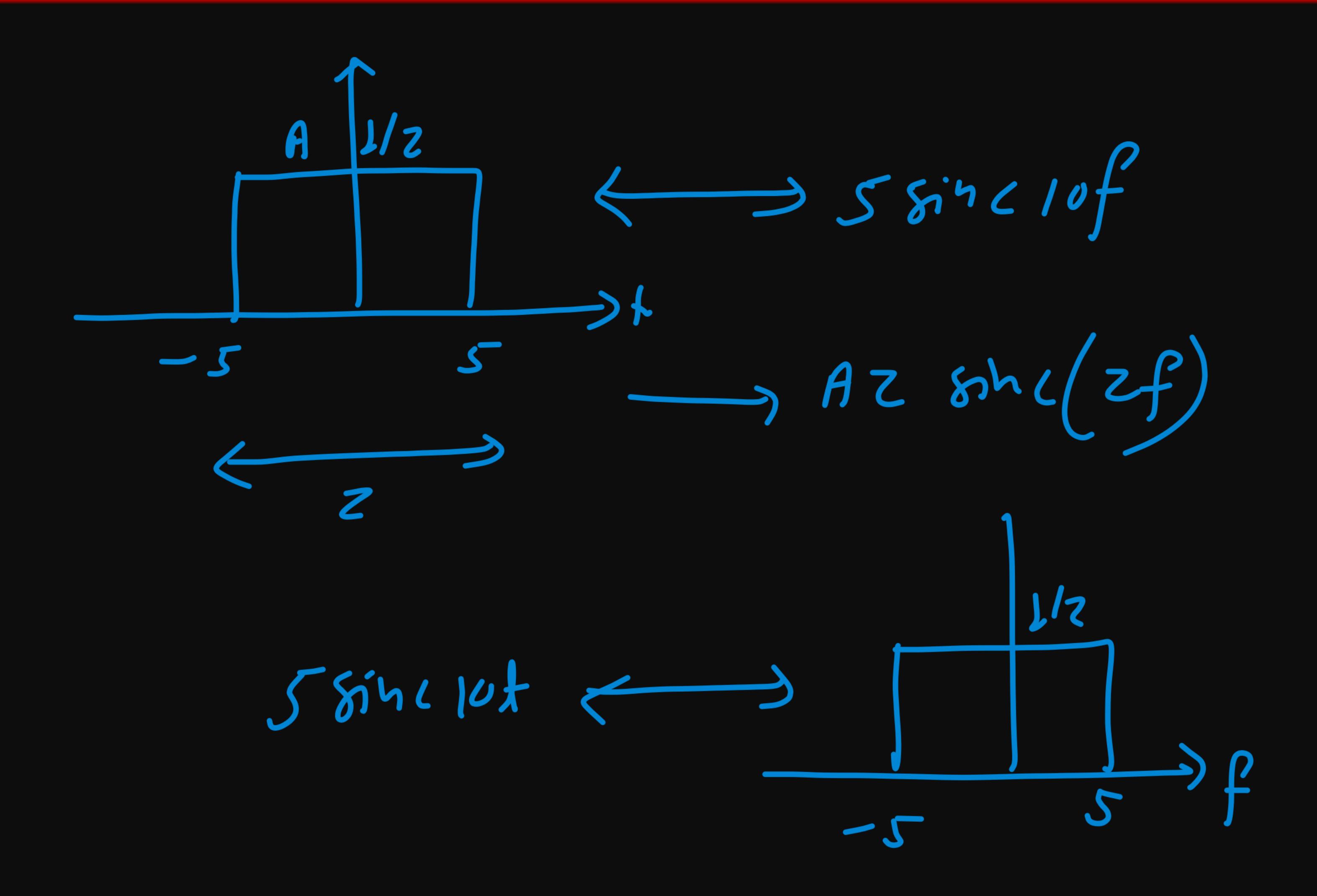
(Prob) (1)
$$m(t) = 58 \text{m cz. 10t} \longrightarrow W = 10 \text{Hz} \longrightarrow$$

$$m(t) - 58hc10t \rightarrow W =$$



Shusaild B _ 2w/









$$m(t) = 1 \sin^2(t) + \cdots >$$

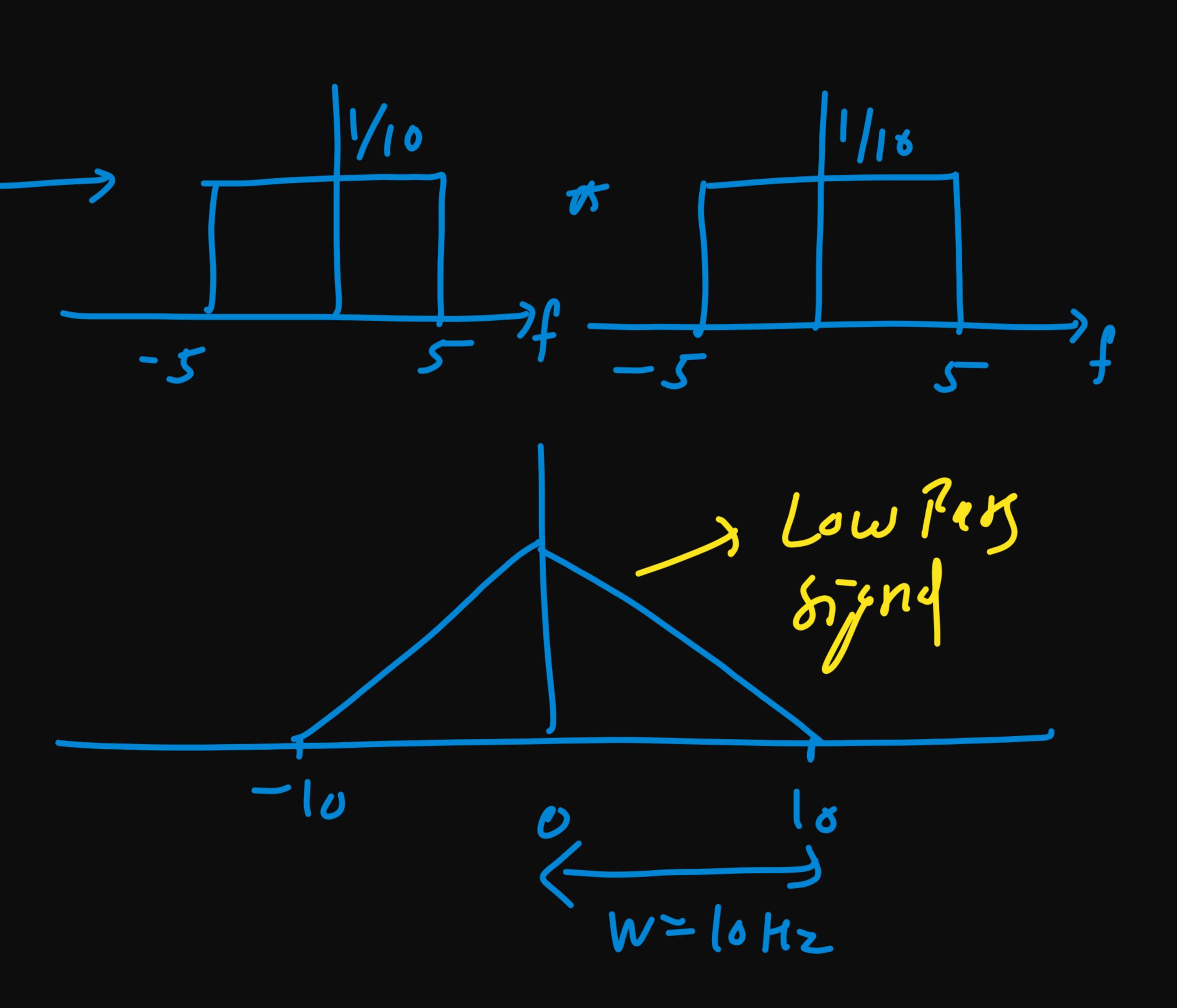
$$= 8 \sin(t) \cot(t) + \cdots > 0$$

$$MR = 2W$$

$$= 2HZ$$

$$\int_{S} 2HZ$$

$$\int_{S} 2OHZ$$





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APP FEATURES



















THANKS FOR

Watching Adda 247







