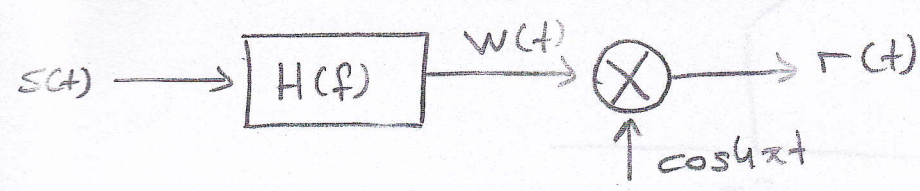


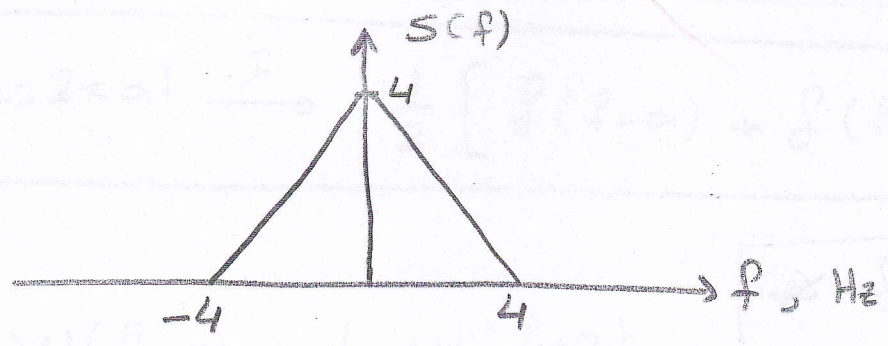
SORU: In the following system,



the frequency response of the filter is

$$H(f) = \begin{cases} 3 & -2 \leq f \leq 2 \text{ Hz} \\ 0 & \text{otherwise} \end{cases}$$

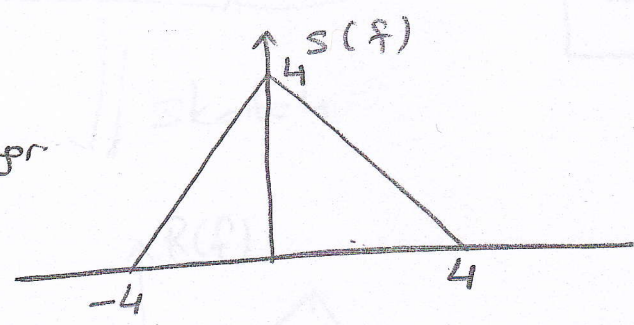
and the spectrum of the input signal  $s(t)$  is



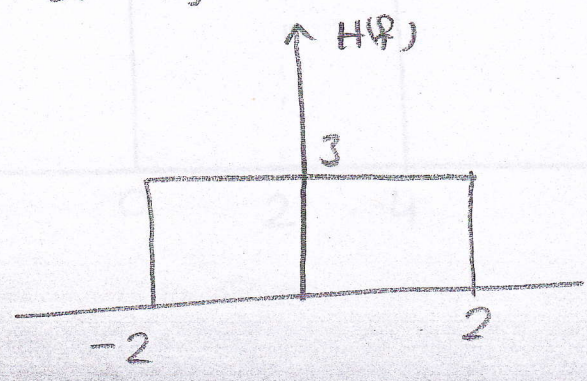
Sketch  $W(f)$  and  $R(f)$

Çözüm:

$S(f)$  grafiği veriliyor



bize  $H(f)$ 'in karakteristiği veriliyor



$$\begin{cases} -3 & -2 \leq f \leq 2 \text{ Hz} \\ 0 & \text{otherwise} \end{cases}$$