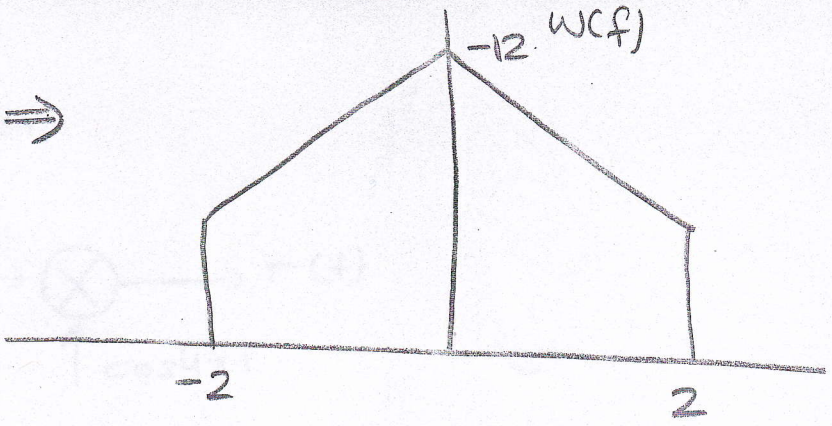
$W(f) = S(f) \cdot H(f) \Rightarrow$

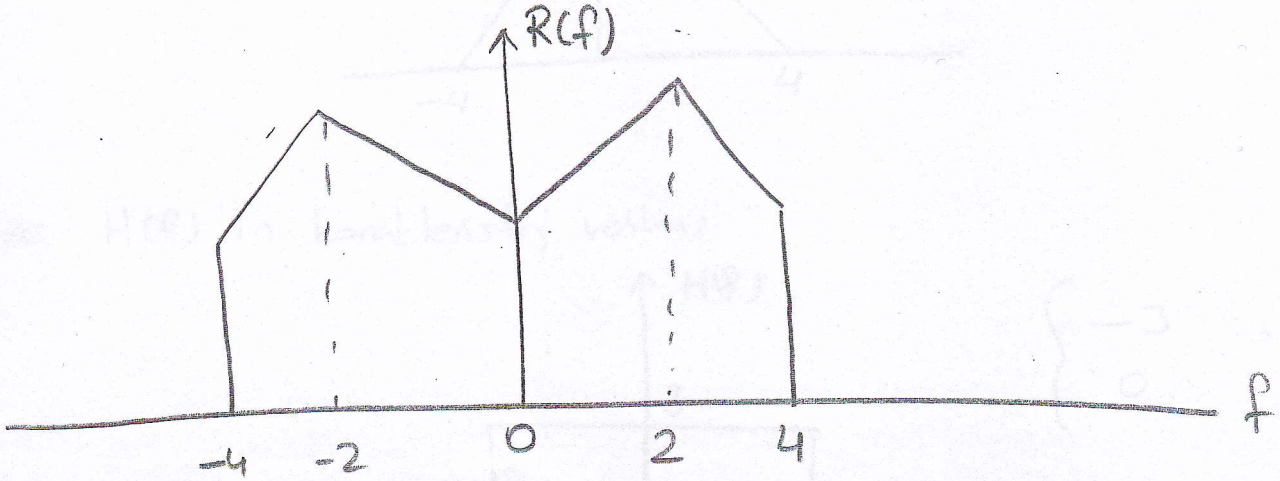


$r(t) = w(t) \cos 4\pi t$

$R(f) = W(f) * \underbrace{\mathcal{F}[\cos 4\pi t]}_{\frac{1}{2}[\delta(f-2)+\delta(f+2)]} = W(f) * \frac{1}{2}[\delta(f-2) + \delta(f+2)]$

$\star - \cos 2\pi a t \xrightarrow{\mathcal{F}} \frac{1}{2}[\delta(f-a) + \delta(f+a)]$

$= \frac{1}{2} W(f-2) + \frac{1}{2} W(f+2)$

$\star$ δ (dürtü) ne ile çarpılırsa çarp onu yerlerine bir W ile çarptık W yazdık

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