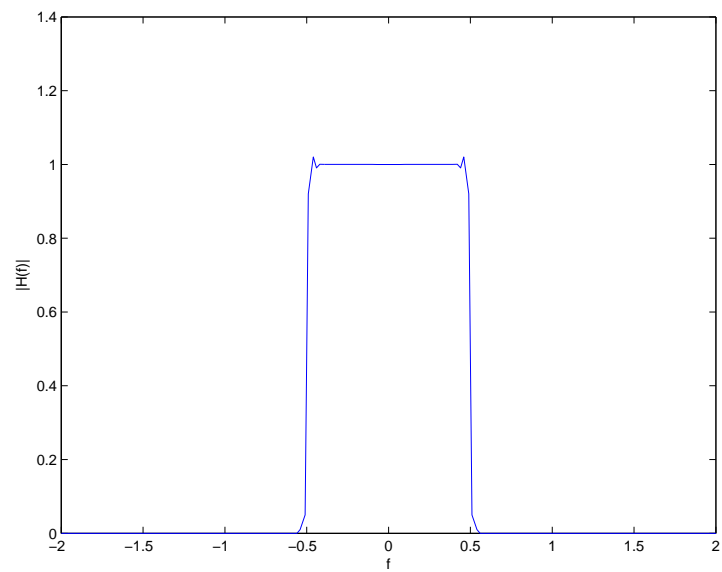


(a)



(b)

Figure 0.1: (a) Plot of  $h(t) = \text{sinc}(t) = \sin(\pi t)/\pi t$ ,  $t \neq 0$ ;  $1$ ,  $t = 0$  (b)  
Plot of  $H(f) = \mathcal{F}[h(t)] = 1$ ,  $|f| < 0.5$ ;  $0$ ,  $|f| > 0.5$