## Supplementary problems (assigned 10/10/03)

1. Do p100/17 in Rudin. List all possibilities for simple discontinuities, but only give a detailed solution for simple discontinuities where $f\left(x^{-}\right)<f\left(x^{+}\right)$(i.e. the type mentioned in the problem) and $f\left(x^{-}\right)=f\left(x^{+}\right)<f(x)$.
2. $\mathrm{p} 101 / 23$
