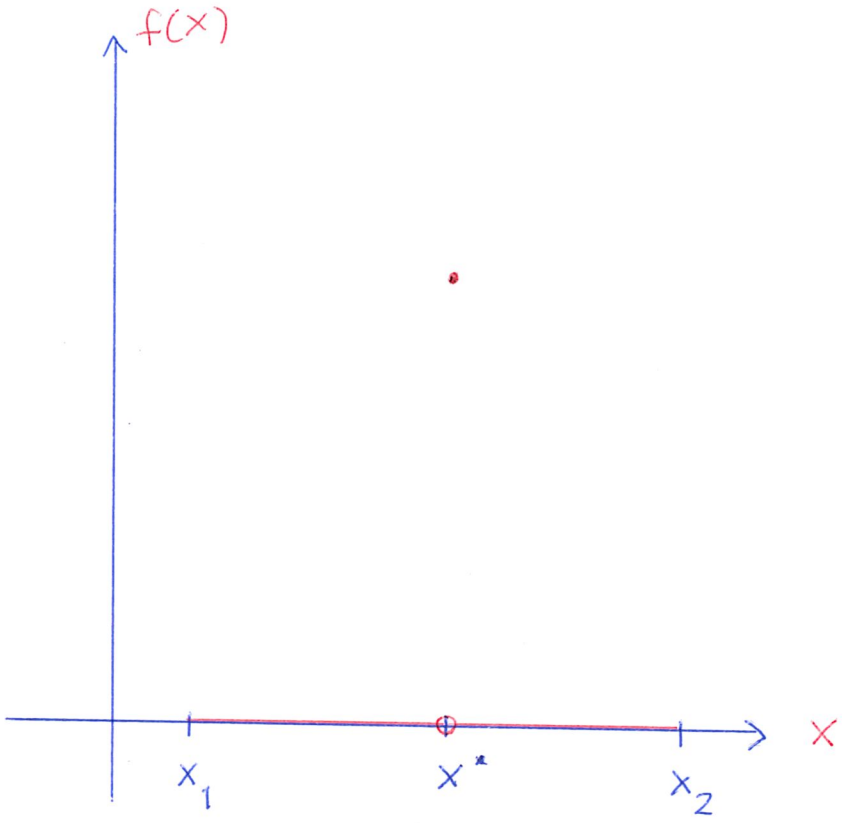
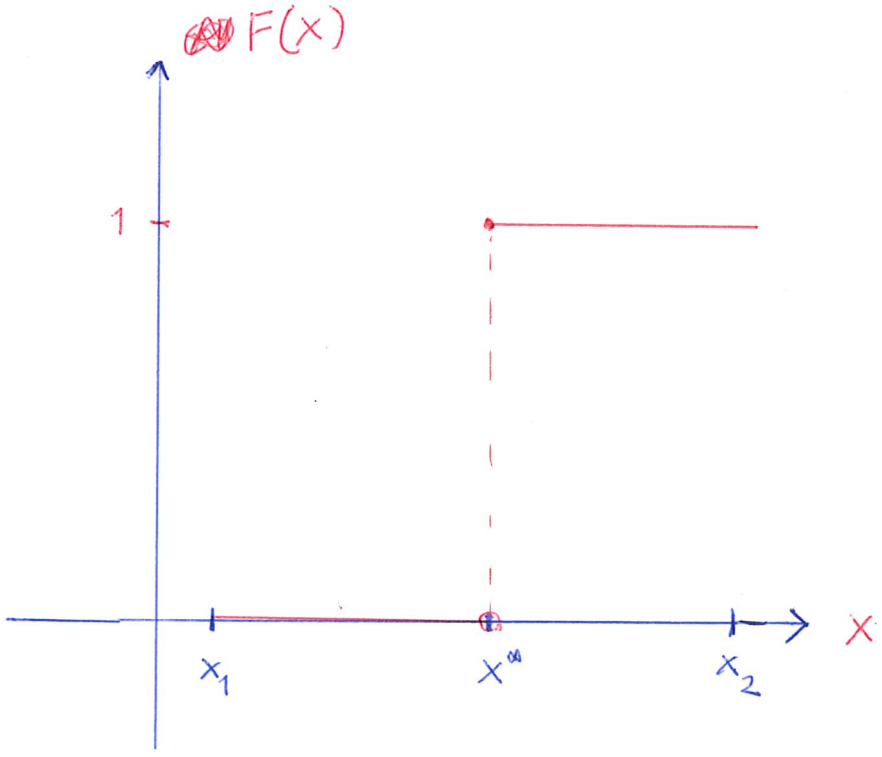


- Cannot be integrated
- Ex shoud be x^{∞}



- Can be integrated

$$Ex = \int_{x_1}^{x_2} x \, dF(x)$$

$$= x F(x) \Big|_{x_1}^{x_2} - \int_{x_1}^{x_2} F(x) \, dx$$

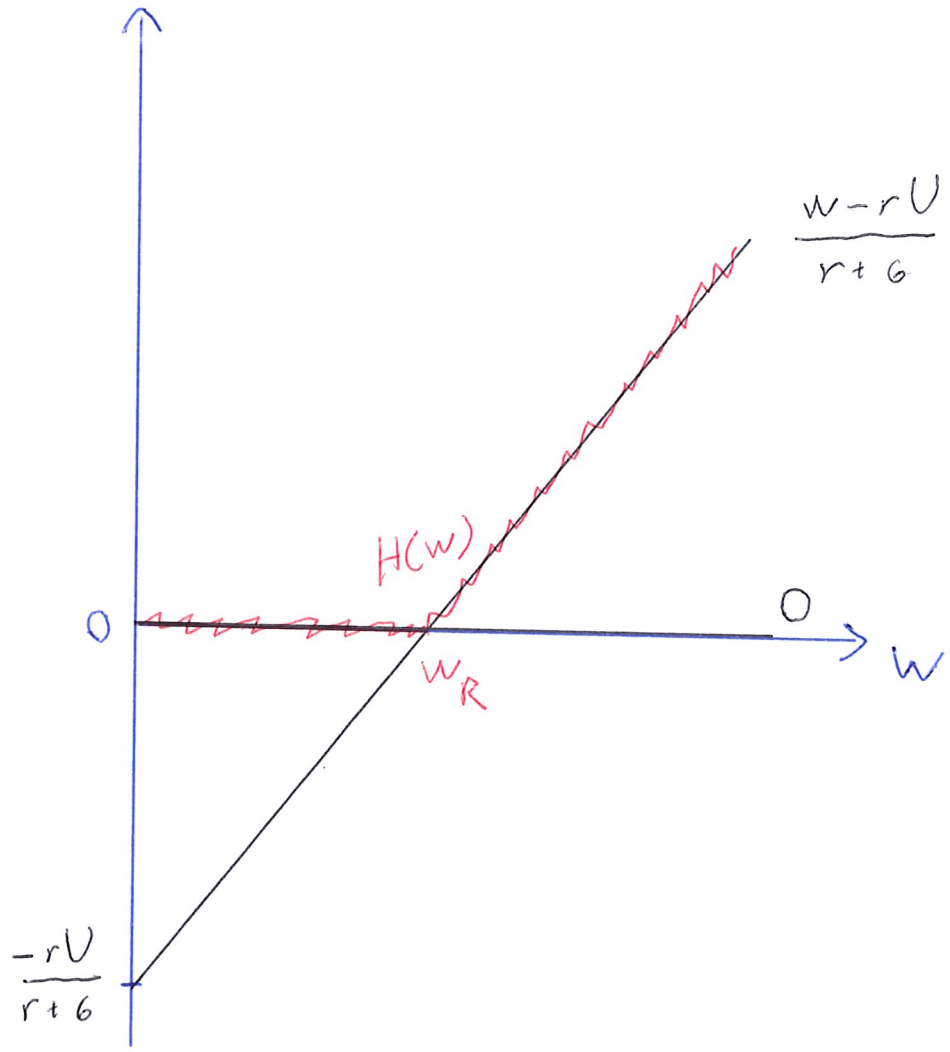
$$= x_2 \cdot 1 - x_1 \cdot 0 - \int_{x^*}^{x_2} F(x) \, dx$$

$$= x_2 - \int_{x^*}^{x_2} 1 \, dx$$

$$= x_2 - x \Big|_{x^*}^{x_2}$$

$$= x_2 - (x_2 - x^*)$$

$$= x^*$$


$\frac{w - rV}{r + G}$
H(w)
0
0
w
w_R
$\frac{-rV}{r + G}$