

$$\min x_1^r + b x_r^r + x_c^r$$

91 $\frac{d}{dx} \frac{1}{x} = -\frac{1}{x^2}$

$$x_1 + x_r + x_\mu = c$$

$$x \geq 0$$

$n = \mu$

	$x_c = S_\mu$	f_μ^*	x_μ^*
S_μ	x_μ^r	S_μ^r	S_μ

$n = r$

	$0 \leq x_r \leq S_r$	f_r^*
S_r	$b x_r^r + S_\mu^r = b x_r^r + (S_r - x_r)^r$	

$$f_r' = r b x_r^{r-1} - r (S_r - x_r)^{r-1} = 0$$

$$= r b x_r^{r-1} - r S_r^{r-1} + r x_r^{r-1} = 0$$

$$\rightarrow x_r = \frac{r S_r}{r b + r} = \frac{S_r}{b + 1}$$