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Framing contracts and jurisdiction ahead to match  $p$  = "Economy Funds" and  $v$  = "Economy Velocity" that can be modelled with typical approaches for function  $z$  = "arrival state" depending on  $x$  = "starting state", so that "work"  $W = F \cdot r = F \cdot (z - x)$ :

Table 1: Modelling Functions

Type	Model	Linearisation
Linear	$z = a + bx$	$z = a + bx$
Gemetric	$z = a \cdot x^b$	$\log z = \log a + b \cdot (\log x)$
Exponential deca.	$z = a \cdot b^x$	$\log z = \log a + (\log b) \cdot x$
Exponential nat.	$z = a \cdot e^{bx}$	$\ln z = \ln a + bx$
Periodical		
Polynomial		
Taylor		

Linear optimization to achieve target states " $z, h$ ":

1. Oneness situaiton modelling:

minimize efforts =  $z$  or maximizie return =  $z$

$$\begin{aligned}
 \text{target:} & \quad z = c^T \cdot x \\
 \text{min. constraints:} & \quad [a_{ki}] \cdot x \geq b \\
 \text{max. constraints:} & \quad [a_{ki}] \cdot x \leq b \\
 \text{condition:} & \quad x \geq 0
 \end{aligned} \tag{1}$$

2. Duality situation modelling:

minimize efforts =  $z$  and maximize return =  $h$

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target min.:	$z = c^T \cdot x$
min. constraints:	$[a_{ki}] \cdot x \geq b$
condition:	$x \geq 0$
<i>and</i>	
target max.:	$h = b^T \cdot y$
max. constraints:	$[a_{ki}]^T \cdot y \leq c$
condition:	$y \geq 0$

(2)

3. Normalization:

target:	$z = c^T \cdot x$
min. constraints:	$([a_{ki}] - x_{n+k}) \cdot x = b$
max. constraints:	$([a_{ki}] + x_{n+k}) \cdot x = b$
condition:	$x \geq 0$

(3)

4. Solution with [Simplex algorithm](#)

multilinear and exponential models ...