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	Homework 3.
	Design optimization.
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1.	(1) Least squares problem.
	The training data is provided.
	X = \( \times \) \
	There are 11 data points for X & y
	There are 11 data points for x 2 y.  The problem is to fit (x, y) in
0	The guicinon
	$p = x_1 \exp \left( A_{12} \left( \frac{A_{21} \times 2}{A_{12} \times 1 + A_{21} \times 2} \right) \right) P_1$
	+ x2 exp ( A21 ( A12 X1 )2) P2 A12 X1 + A21 X2) P3at
	Hele, Pisat & Pisat are evaluated
	from the given data of a, a, taz and the Antoine equation
	and the moine equation
	log (Psat) = a, - a2
	1+93
	The direction can be seened:
0	The function can be generalized as
	$E \rightarrow error & B = \{A_{12}, A_{21}\}$

The problem at hand is to estimate B such that the 12 norm of E is minimized ie find B such that min | y - x B | 12, the given function being a non-linear model.