Julie likes to take pictures, and would like to start a photo shop. She will need to rent some equipment initially. She got several potential clients, but each job would require a different set of equipment (to rent). The following table indicates which job requires which equipment ("+" if job needs equipment), the rental costs and the revenue that jobs generate. If she has $600 available to rent equipment and start the business, what should she rent and which jobs to accept to maximize her profit?

Jobs	Equipment				Revenue
	A	B	C	D	($\$$)
J1	+	+			400
J2	+		+	+	$600 - xy$
J3		+	+	+	500
J4		+		+	400
Cost ($\$$)	$100 + xy$	200	300	100	

Build a model and the corresponding AMPL files to find the profit optimizing plan.