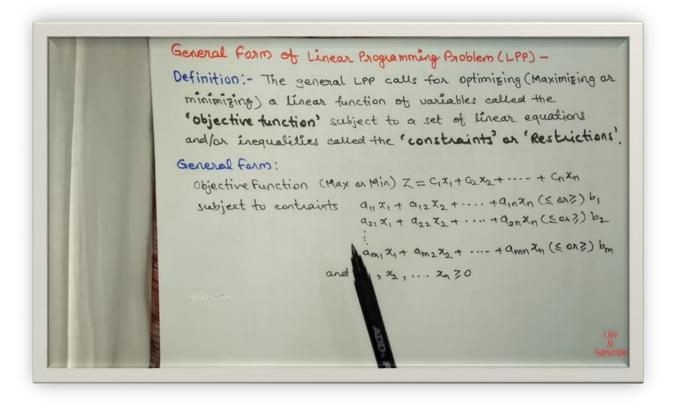
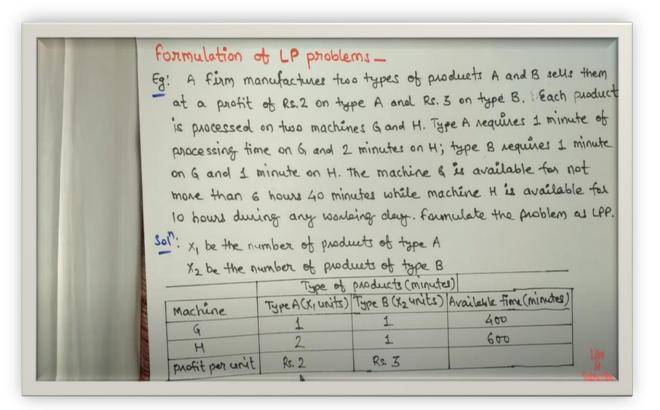
Operations Research operations Research is the systematic, method-oriented study of the basis structure, characteristics, functions and relationships of an organization to provide the executive with a sound, scientific and quantitative basis for decision making. Linear Programming Problem (LPP) -A linear form is meant a mathematical expression of the type aixi+ aixi+ + anxn, where ana, az, ... an are constants and x1, 22, ... , xn are variables. The term "programming" refers to the process of determining a particular programme or plan of action Linear programming deals with the optimization (Maximization Minimization) of a function of variables known as objective function, subject to a set of linear equations and/or inequalities known as constraints as restrictions.





		products (minute	(1)
Machine	Type A(X, units)	Type B (x2 units)	Available fine (minutes)
9	1	1	400
Н	2	1	600
Profit per uni	t Rs. 2	Rs. 3	
· Ma	$x_1 + x_2 \le$		
	$\frac{x_1 + x_2}{2x_1 + x_2} \le$	400 } constr	aints.
		400 } constr 600 } constr motrainets are	aints.

