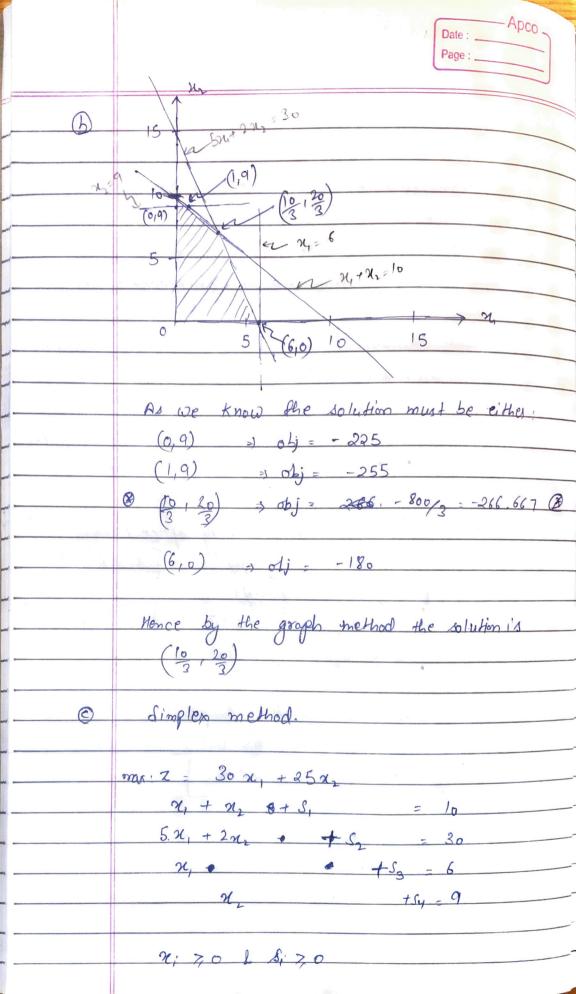
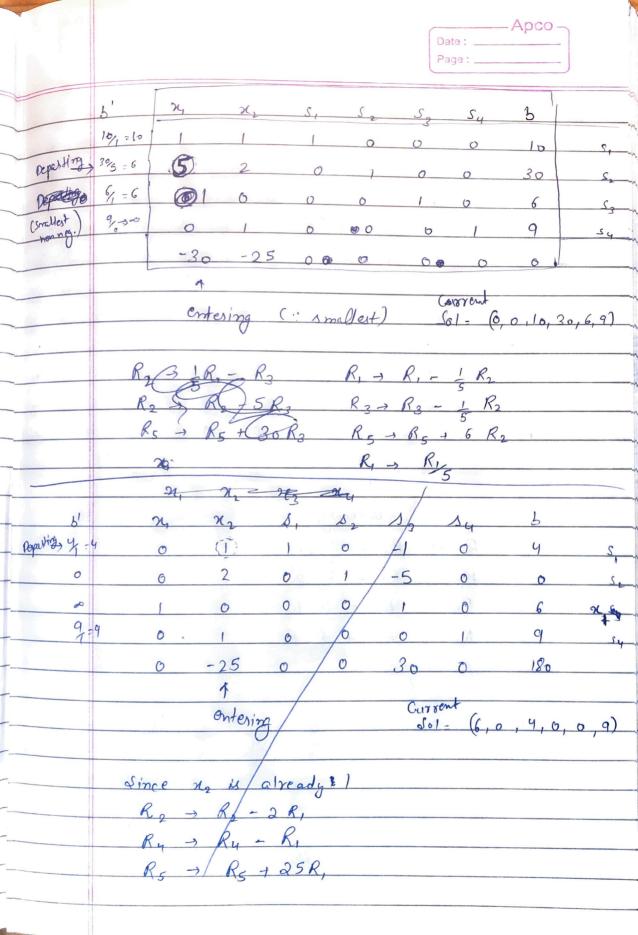
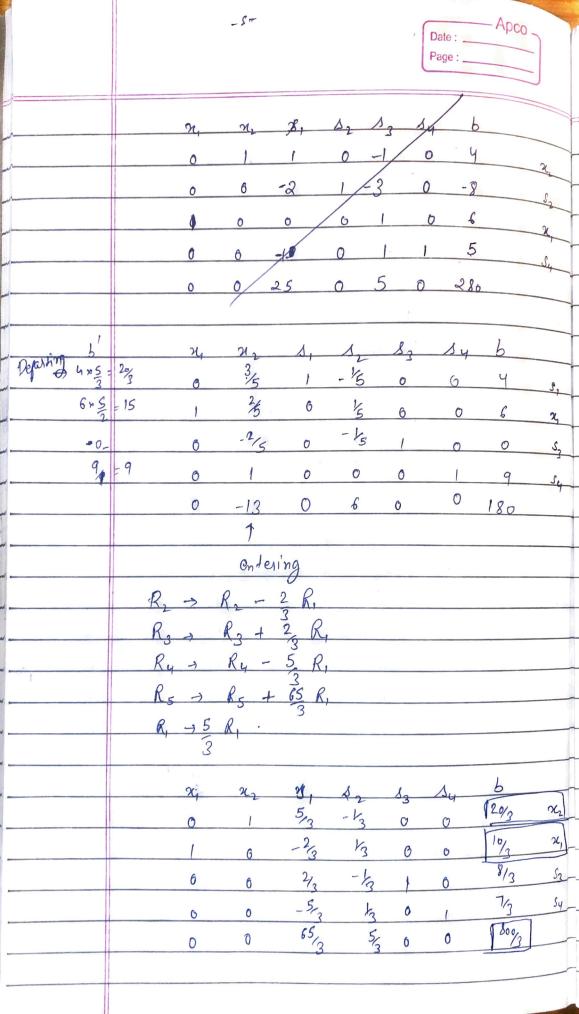
	Apco –
	Date :
	AI-2
	Exercise - 1
016	let's assume that the ice cream seller
	Wantucks
	2, kg of cho Clate Fudge Brownie per hour .
	2. Kg of Strowberry cheesecake per hour
	i) first constraint on total icer-(reum probytion:
	> (n + n ≥ 10) - (i)
	in a land on toler concump. Thous
	(ii) second constraint on total energy consump. I have
	> 5x, + 2x, <30 - ciñ
<b>A.</b>	lin) wice exerm
	(ii) Obje Constraint on quantity ofice (xeam  6 > 24 70 - (ii)
	$\frac{6}{3}$ $\frac{3}{3}$ $\frac{2}{3}$ $\frac{2}{3}$ $\frac{6}{3}$ $\frac{6}{3}$ $\frac{10}{3}$ $\frac{10}{3}$ $\frac{6}{3}$ $\frac{10}{3}$ $\frac{10}{3}$ $\frac{6}{3}$ $\frac{10}{3}$ $\frac{10}{$
	1 2 ( (iii) 2 20 - (V)
	$0 \leq 2n \leq 2$
	0 < n/ (1V) [1270] - (V)
	( cond optimise the Profit
	(80 - 50) x, + (05 - 40) x,
	max max
	OR 1 - 25 x
	min son
	Sov + 25 x
	obj fun = sox, + 25 tz







Date:Page:
no more negative value in last sow,
be have reathed the optimum solution
$x_1 = \frac{10}{3} \qquad \qquad x_2 = \frac{20}{3}$
Obj. fun = 800 - max. profit