Let $x_m, x_s, x_a, x_g, x_c, x_t$ be number of bought memberships, number of bought singles, number of bought albums, number of bought goods, number of used credit cards, and number of bought tickets respectively.

Let M be large variable.

Objective: Maximize $10x_m + 3x_s + 7x_a + x_g + 30x_c + 3x_t + 17$

Constraints

- 1. $x_m \in \{0,1\}$
- 2. $x_s \le 5$
- 3. $x_a \le 2$
- 4. $x_g \leq M$
- 5. $x_c \in \{0,1\}$
- 6. $x_t \ge 1$
- 7. $x_t \leq 4$
- 8. $x_m + x_s + x_a + x_g \le 7$
- 9. $Mx_c + x_m + x_s + x_a + x_g \le M$
- 10. $7000x_m + 1500x_s + 4000x_a + 1000x_g + 6000x_c + 13000x_t \le 70000$
- 11. $x_s, x_a, x_g, x_t \in \mathbb{Z}^+ \cup \{0\}$

Result Variables

Variables	
number of membership	1
number of single	4
number of album	2
number of goods	0
Use credit card	0
number of tickets	3

Serial Code	Cost	Increased Chance	Limit
Official fanclub membership	7000	10	1
Latest single	1500	3	5
Latest album	4000	7	2
Goods from Jingle's Store	1000	1	100
Credit Card	6000	30	1
Buddy Up	13000	3	4
SUM	60000	62	

The maximum chance is 62% by spending 60000 baht