④

Max F

S. a.

$x_{12}, x_{13}, x_{23}, x_{24}, x_{26}, x_{32}$
$x_{36}, x_{35}, x_{46}, x_{47}, x_{64}, x_{67}$
$x_{63}, x_{65}, x_{53}, x_{56}, x_{57} \geq 0$

$x_{12} \leq 10$ $x_{13} \leq 10$
$x_{23} \leq 1$ $x_{24} \leq 8$
$x_{26} \leq 6$ $x_{32} \leq 1$
$x_{36} \leq 4$ $x_{35} \leq 12$
$x_{46} \leq 3$ $x_{47} \leq 7$
$x_{64} \leq 3$ $x_{67} \leq 2$
$x_{63} \leq 4$ $x_{65} \leq 2$
$x_{53} \leq 12$ $x_{56} \leq 2$
$x_{57} \leq 8$

- ① $-F + x_{12} + x_{13} = 0$
- ② $-x_{12} + x_{24} + x_{26} + x_{23} - x_{32} = 0$
- ③ $-x_{13} + x_{32} + x_{36} + x_{35} - x_{23} - x_{63} - x_{53} = 0$
- ④ $-x_{24} - x_{64} + x_{47} + x_{46} = 0$
- ⑤ $-x_{35} - x_{65} + x_{53} + x_{56} + x_{57} = 0$
- ⑥ $-x_{26} - x_{46} - x_{36} - x_{56} + x_{64} + x_{65} + x_{63} + x_{67} = 0$
- ⑦ $-x_{47} - x_{67} - x_{57} + F = 0$