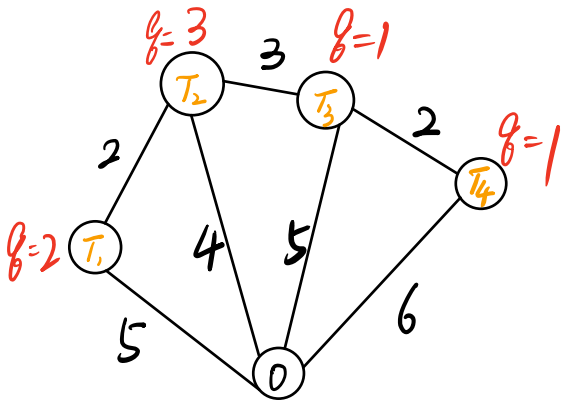
known:

$Q = 5$

MQO: i

val: $f(T_i) + d_{0,T_{i+1}} - Sum^{i+1}$

Sum	:	0	5	7	10	12	18
Load	:	0	2	5	6	7	0



MQO : 0

val : 0

$f(T_0) = 0$

$f(T_1) = 10$

MQO : 0 1

val : 0 $f(T_1) + d_{0,T_2} - Sum^2$

$= 10 + 4 - 7 = 7$

$$f(T_2) = \begin{cases} f(T_1) + d_{0,2}\, d_{T_2,0} = 18 & (X) \\ f(T_0) + d_{0,T_1} + (Sum^2 - Sum^1) + d_{T_2,0} = 11 & (V) \end{cases}$$

$18 > 11$

MQO: ~~0~~ 1

val: ~~0~~ 7

$Load^6 - Load^0 > Q$

MQO : ~~1~~ 2

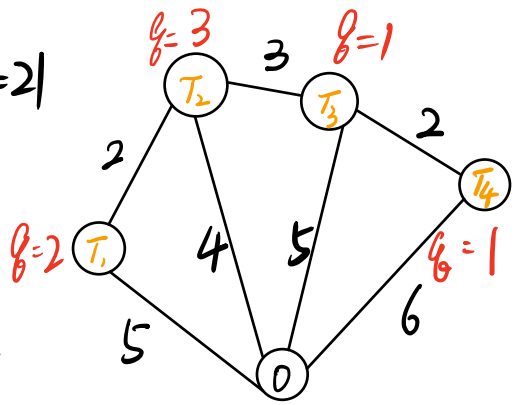
val : ~~7~~ $f(T_2) + d_{0,T_3} - Sum^3$

$= 11 + 5 - 10$

$= 6$

$6 < 7$

$$f(T_3) = \begin{cases} f(T_2) + d_{0,T_3} + d_{T_3,0} = 21 \\ f(T_2) + d_{0,T_3} + 0 + d_{T_3,0} = 21 \end{cases}$$



MQO: 2 3

Val: 6 $f(T_3) + d_{0,T_4} - Sum^4$

$= 21 + 6 - 12 = 15$

$$f(T_4) = \begin{cases} f(T_3) + d_{0,T_4} + d_{T_4,0} = 33 \quad (X) \\ f(T_2) + d_{0,T_3} + (Sum^4 - Sum^3) + d_{T_4,0} \end{cases}$$

$= 11 + 5 + 2 + 6 = 24 \quad (V)$

$33 > 24$

Answer: 24

Opt Path: $\begin{cases} 0, T_1, T_2, 0 \\ 0, T_3, T_4, 0 \end{cases}$