1) SubModular equation

$$P(\beta,8)+P(\alpha,\delta)-P(\beta,\delta)-P(\alpha,\delta)>0$$
 $P(\omega_{m},\omega_{0})=c(\omega_{m}-\omega_{0})^{2}$
 $\Rightarrow (\beta^{2}+\beta^{2}-2\beta^{2}+\alpha^{2}+\beta^{2}-2\alpha\delta)$
 $-\beta^{2}-\beta^{2}+2\beta\delta-\alpha^{2}-\delta\beta^{2}+2\alpha\delta$
 $\Rightarrow -2\beta\beta-2\alpha\delta+2\beta\delta-\alpha^{2}-\delta\beta^{2}+2\alpha\delta$
 $\Rightarrow -2\beta\beta-2\alpha\delta+2\beta\delta-2\alpha\delta$
 $\Rightarrow \beta\delta+\beta\delta-\beta\beta-2\alpha\delta$
 $\Rightarrow \beta\delta^{2}+\beta\delta^{2}-\beta\beta^{2}-\alpha\delta$
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Submodulare

Assume
$$\sqrt{8} = 3 \times 4$$

= $c(0+1-1-1) = -c40$

Not su bmodular



