

$$2abc_{000} + 2abc_{222} + 2xyz_{000} + 2xyz_{222} = -3$$

$$-abc_{010} - abc_{212} + 2xyz_{010} + 2xyz_{212} = 0$$

$$-abc_{020} - abc_{202} + 2xyz_{020} + 2xyz_{202} = 0$$

$$-abc_{030} - abc_{232} + 2xyz_{030} + 2xyz_{232} = 0$$

$$-abc_{040} + abc_{242} + 2xyz_{040} - 2xyz_{242} = 0$$

$$-abc_{050} - abc_{262} + 2xyz_{050} + 2xyz_{262} = 0$$

$$2abc_{060} + 2abc_{252} + 2xyz_{060} + 2xyz_{252} = 0$$

$$2abc_{070} - 2abc_{282} + 2xyz_{070} - 2xyz_{282} = 0$$

$$-abc_{080} + abc_{272} + 2xyz_{080} - 2xyz_{272} = 0$$

$$-abc_{011} - abc_{211} + 2xyz_{011} + 2xyz_{211} = 0$$

$$2abc_{021} + 2abc_{201} + 2xyz_{021} + 2xyz_{201} = -3$$

$$-abc_{031} - abc_{231} + 2xyz_{031} + 2xyz_{231} = 0$$

$$-abc_{041} + abc_{241} + 2xyz_{041} - 2xyz_{241} = 0$$

$$2abc_{051} + 2abc_{261} + 2xyz_{051} + 2xyz_{261} = 0$$

$$-abc_{061} - abc_{251} + 2xyz_{061} + 2xyz_{251} = 0$$

$$-abc_{071} + abc_{281} + 2xyz_{071} - 2xyz_{281} = 0$$

$$2abc_{081} - 2abc_{271} + 2xyz_{081} - 2xyz_{271} = 0$$

$$2abc_{032} + 2abc_{230} + 2xyz_{032} + 2xyz_{230} = 0$$

$$2abc_{042} - 2abc_{240} + 2xyz_{042} - 2xyz_{240} = 0$$

$$-abc_{052} - abc_{260} + 2xyz_{052} + 2xyz_{260} = 0$$

$$-abc_{062} - abc_{250} + 2xyz_{062} + 2xyz_{250} = 0$$

$$-abc_{072} + abc_{280} + 2xyz_{072} - 2xyz_{280} = 0$$

$$-abc_{082} + abc_{270} + 2xyz_{082} - 2xyz_{270} = 0$$

$$-abc_{013} - abc_{213} + 2xyz_{013} + 2xyz_{213} = 0$$

$$-abc_{033} - abc_{233} + 2xyz_{033} + 2xyz_{233} = 0$$

$$-abc_{043} + abc_{243} + 2xyz_{043} - 2xyz_{243} = 0$$

$$2abc_{053} + 2abc_{263} + 2xyz_{053} + 2xyz_{263} = 3$$

$$\begin{aligned}
& -abc_{063} - abc_{253} + 2xyz_{063} + 2xyz_{253} = 0 \\
& -abc_{073} + abc_{283} + 2xyz_{073} - 2xyz_{283} = 0 \\
& 2abc_{083} - 2abc_{273} + 2xyz_{083} - 2xyz_{273} = -3 \\
& -abc_{014} + abc_{214} + 2xyz_{014} - 2xyz_{214} = 0 \\
& -abc_{034} + abc_{234} + 2xyz_{034} - 2xyz_{234} = 0 \\
& -abc_{044} - abc_{244} + 2xyz_{044} + 2xyz_{244} = 0 \\
& 2abc_{054} - 2abc_{264} + 2xyz_{054} - 2xyz_{264} = 3 \\
& -abc_{064} + abc_{254} + 2xyz_{064} - 2xyz_{254} = 0 \\
& -abc_{074} - abc_{284} + 2xyz_{074} + 2xyz_{284} = 0 \\
& 2abc_{084} + 2abc_{274} + 2xyz_{084} + 2xyz_{274} = 1 \\
& 2abc_{015} + 2abc_{216} + 2xyz_{015} + 2xyz_{216} = 0 \\
& 2abc_{035} + 2abc_{236} + 2xyz_{035} + 2xyz_{236} = 3 \\
& 2abc_{045} - 2abc_{246} + 2xyz_{045} - 2xyz_{246} = -3 \\
& -abc_{055} - abc_{266} + 2xyz_{055} + 2xyz_{266} = 0 \\
& -abc_{065} - abc_{256} + 2xyz_{065} + 2xyz_{256} = 0 \\
& -abc_{075} + abc_{286} + 2xyz_{075} - 2xyz_{286} = 0 \\
& -abc_{085} + abc_{276} + 2xyz_{085} - 2xyz_{276} = 0 \\
& -abc_{016} - abc_{215} + 2xyz_{016} + 2xyz_{215} = 0 \\
& -abc_{036} - abc_{235} + 2xyz_{036} + 2xyz_{235} = 0 \\
& -abc_{046} + abc_{245} + 2xyz_{046} - 2xyz_{245} = 0 \\
& -abc_{056} - abc_{265} + 2xyz_{056} + 2xyz_{265} = 0 \\
& 2abc_{066} + 2abc_{255} + 2xyz_{066} + 2xyz_{255} = 3 \\
& 2abc_{076} - 2abc_{285} + 2xyz_{076} - 2xyz_{285} = -3 \\
& -abc_{086} + abc_{275} + 2xyz_{086} - 2xyz_{275} = 0 \\
& -abc_{017} + abc_{218} + 2xyz_{017} - 2xyz_{218} = 0 \\
& -abc_{037} + abc_{238} + 2xyz_{037} - 2xyz_{238} = 0 \\
& -abc_{047} - abc_{248} + 2xyz_{047} + 2xyz_{248} = 0 \\
& -abc_{057} + abc_{268} + 2xyz_{057} - 2xyz_{268} = 0 \\
& 2abc_{067} - 2abc_{258} + 2xyz_{067} - 2xyz_{258} = 3
\end{aligned}$$

$$\begin{aligned}
2abc_{077} + 2abc_{288} + 2xyz_{077} + 2xyz_{288} &= 1 \\
-abc_{087} - abc_{278} + 2xyz_{087} + 2xyz_{278} &= 0 \\
2abc_{018} - 2abc_{217} + 2xyz_{018} - 2xyz_{217} &= 0 \\
2abc_{038} - 2abc_{237} + 2xyz_{038} - 2xyz_{237} &= 3 \\
2abc_{048} + 2abc_{247} + 2xyz_{048} + 2xyz_{247} &= 1 \\
-abc_{058} + abc_{267} + 2xyz_{058} - 2xyz_{267} &= 0 \\
-abc_{068} + abc_{257} + 2xyz_{068} - 2xyz_{257} &= 0 \\
-abc_{078} - abc_{287} + 2xyz_{078} + 2xyz_{287} &= 0 \\
-abc_{088} - abc_{277} + 2xyz_{088} + 2xyz_{277} &= 0 \\
4abc_{111} + 4xyz_{111} &= 24 \\
4abc_{131} + 4xyz_{131} &= 0 \\
-abc_{151} - abc_{161} + 2xyz_{151} + 2xyz_{161} &= 0 \\
-abc_{171} + abc_{181} + 2xyz_{171} - 2xyz_{181} &= 0 \\
4abc_{133} + 4xyz_{133} &= -6 \\
-abc_{153} - abc_{163} + 2xyz_{153} + 2xyz_{163} &= 0 \\
-abc_{173} + abc_{183} + 2xyz_{173} - 2xyz_{183} &= 0 \\
4abc_{144} + 4xyz_{144} &= -2 \\
-abc_{154} + abc_{164} + 2xyz_{154} - 2xyz_{164} &= 0 \\
-abc_{174} - abc_{184} + 2xyz_{174} + 2xyz_{184} &= 0 \\
-abc_{135} - abc_{136} + 2xyz_{135} + 2xyz_{136} &= 0 \\
-abc_{145} + abc_{146} + 2xyz_{145} - 2xyz_{146} &= 0 \\
-abc_{155} - abc_{166} + 2xyz_{155} + 2xyz_{166} &= 0 \\
2abc_{156} + 2abc_{165} + 2xyz_{156} + 2xyz_{165} &= -6 \\
2abc_{175} - 2abc_{186} + 2xyz_{175} - 2xyz_{186} &= 0 \\
abc_{176} - abc_{185} - 2xyz_{176} + 2xyz_{185} &= 0 \\
-abc_{137} + abc_{138} + 2xyz_{137} - 2xyz_{138} &= 0 \\
-abc_{147} - abc_{148} + 2xyz_{147} + 2xyz_{148} &= 0 \\
2abc_{157} - 2abc_{168} + 2xyz_{157} - 2xyz_{168} &= 0 \\
abc_{158} - abc_{167} - 2xyz_{158} + 2xyz_{167} &= 0
\end{aligned}$$

$$\begin{aligned}
& -abc_{177} - abc_{188} + 2xyz_{177} + 2xyz_{188} = 0 \\
& 2abc_{178} + 2abc_{187} + 2xyz_{178} + 2xyz_{187} = -2 \\
& 4abc_{333} + 4xyz_{333} = -6 \\
& -abc_{353} - abc_{363} + 2xyz_{353} + 2xyz_{363} = 0 \\
& -abc_{373} + abc_{383} + 2xyz_{373} - 2xyz_{383} = 0 \\
& 4abc_{344} + 4xyz_{344} = 2 \\
& -abc_{354} + abc_{364} + 2xyz_{354} - 2xyz_{364} = 0 \\
& -abc_{374} - abc_{384} + 2xyz_{374} + 2xyz_{384} = 0 \\
& -abc_{345} + abc_{346} + 2xyz_{345} - 2xyz_{346} = 0 \\
& -abc_{355} - abc_{366} + 2xyz_{355} + 2xyz_{366} = 0 \\
& 2abc_{356} + 2abc_{365} + 2xyz_{356} + 2xyz_{365} = 3 \\
& 2abc_{375} - 2abc_{386} + 2xyz_{375} - 2xyz_{386} = 3 \\
& abc_{376} - abc_{385} - 2xyz_{376} + 2xyz_{385} = 0 \\
& -abc_{347} - abc_{348} + 2xyz_{347} + 2xyz_{348} = 0 \\
& 2abc_{357} - 2abc_{368} + 2xyz_{357} - 2xyz_{368} = -3 \\
& abc_{358} - abc_{367} - 2xyz_{358} + 2xyz_{367} = 0 \\
& -abc_{377} - abc_{388} + 2xyz_{377} + 2xyz_{388} = 0 \\
& 2abc_{378} + 2abc_{387} + 2xyz_{378} + 2xyz_{387} = -1 \\
& -abc_{454} - abc_{464} + 2xyz_{454} + 2xyz_{464} = 0 \\
& -abc_{474} + abc_{484} + 2xyz_{474} - 2xyz_{484} = 0 \\
& -abc_{455} + abc_{466} + 2xyz_{455} - 2xyz_{466} = 0 \\
& -2abc_{456} + 2abc_{465} - 2xyz_{456} + 2xyz_{465} = 3 \\
& 2abc_{475} + 2abc_{486} + 2xyz_{475} + 2xyz_{486} = -1 \\
& -abc_{476} - abc_{485} + 2xyz_{476} + 2xyz_{485} = 0 \\
& 2abc_{457} + 2abc_{468} + 2xyz_{457} + 2xyz_{468} = -1 \\
& -abc_{458} - abc_{467} + 2xyz_{458} + 2xyz_{467} = 0 \\
& -abc_{477} + abc_{488} + 2xyz_{477} - 2xyz_{488} = 0 \\
& -2abc_{478} + 2abc_{487} - 2xyz_{478} + 2xyz_{487} = 1 \\
& 2abc_{555} + 2abc_{666} + 2xyz_{555} + 2xyz_{666} = -6
\end{aligned}$$

$$\begin{aligned}
& -abc_{565} - abc_{656} + 2xyz_{565} + 2xyz_{656} = 0 \\
& -abc_{575} + abc_{686} + 2xyz_{575} - 2xyz_{686} = 0 \\
& 2abc_{585} - 2abc_{676} + 2xyz_{585} - 2xyz_{676} = 0 \\
& -abc_{576} + abc_{685} + 2xyz_{576} - 2xyz_{685} = 0 \\
& -abc_{586} + abc_{675} + 2xyz_{586} - 2xyz_{675} = 0 \\
& -abc_{577} - abc_{688} + 2xyz_{577} + 2xyz_{688} = 0 \\
& -abc_{587} - abc_{678} + 2xyz_{587} + 2xyz_{678} = 0 \\
& -abc_{578} - abc_{687} + 2xyz_{578} + 2xyz_{687} = 0 \\
& 2abc_{588} + 2abc_{677} + 2xyz_{588} + 2xyz_{677} = 2 \\
& 2abc_{777} - 2abc_{888} + 2xyz_{777} - 2xyz_{888} = 0 \\
& -abc_{787} + abc_{878} + 2xyz_{787} - 2xyz_{878} = 0
\end{aligned}$$