

NPTP algorithm results at 11 and 13 points

11-Point Solutions:

$$(x_0 + x_1\mu + x_2\mu^2 + \dots + x_{10}\mu^{10})(y_0 + y_1\mu + y_2\mu^2 + \dots + y_{10}\mu^{10}) \\ \text{mod}(\mu^{10} + \mu^9 + \dots + 1) = \tilde{A}_0\mu^9 + \dots + \tilde{A}_1\mu + \tilde{A}_0$$

$$\begin{aligned} \tilde{A}_0 &= m_0 + m_1 + m_2 + m_3 + m_4 + m_5 + m_6 + m_7 + m_8 + m_9 \\ \tilde{A}_1 &= m_0 + m_1 + m_2 + m_3 + m_4 + m_{10} + m_{11} + m_{12} + m_{13} + m_{14} \\ \tilde{A}_2 &= m_0 + m_1 + m_2 + m_3 + m_4 + m_{15} + m_{16} + m_{17} + m_{18} + m_{19} \\ \tilde{A}_3 &= m_0 + m_1 + m_2 + m_3 + m_4 + m_{20} + m_{21} + m_{22} + m_{23} + m_{24} \\ \tilde{A}_4 &= m_0 + m_1 + m_2 + m_3 + m_4 + m_{25} + m_{26} + m_{27} + m_{28} + m_{29} \\ \tilde{A}_5 &= m_0 + m_1 + m_2 + m_3 + m_4 + m_{30} + m_{31} + m_{32} + m_{33} + m_{34} \\ \tilde{A}_6 &= m_0 + m_1 + m_2 + m_3 + m_4 + m_{35} + m_{36} + m_{37} + m_{38} + m_{39} \\ \tilde{A}_7 &= m_0 + m_1 + m_2 + m_3 + m_4 + m_{40} + m_{41} + m_{42} + m_{43} + m_{44} \\ \tilde{A}_8 &= m_0 + m_1 + m_2 + m_3 + m_4 + m_{45} + m_{46} + m_{47} + m_{48} + m_{49} \\ \tilde{A}_9 &= m_0 + m_1 + m_2 + m_3 + m_4 + m_{50} + m_{51} + m_{52} + m_{53} + m_{54} \end{aligned}$$

11-1

$$\begin{aligned} m_0 &= (x_8 - x_{10}) * (y_0 - y_9) m_1 = (x_0 - x_7) * (y_1 - y_8) m_2 = (x_6 - x_1) * (y_2 - y_7) \\ m_3 &= (x_5 - x_2) * (y_3 - y_6) m_4 = (x_4 - x_3) * (y_4 - y_5) \\ m_5 &= (y_9 - y_{10}) * (x_9 - x_{10}) m_6 = (y_3 - y_5) * (x_3 - x_5) m_7 = (y_2 - y_6) * (x_2 - x_6) \\ m_8 &= (y_1 - y_7) * (x_1 - x_7) m_9 = (y_0 - y_8) * (x_0 - x_8) \\ m_{10} &= (y_3 - y_4) * (x_4 - x_5) m_{11} = (y_2 - y_5) * (x_3 - x_6) m_{12} = (y_1 - y_6) * (x_2 - x_7) \\ m_{13} &= (y_0 - y_7) * (x_1 - x_8) m_{14} = (y_{10} - y_8) * (x_0 - x_9) \\ m_{15} &= (y_2 - y_4) * (x_4 - x_6) m_{16} = (y_1 - y_5) * (x_3 - x_7) m_{17} = (y_0 - y_6) * (x_2 - x_8) \\ m_{18} &= (y_{10} - y_7) * (x_1 - x_9) m_{19} = (y_9 - y_8) * (x_0 - x_{10}) \\ m_{20} &= (y_2 - y_3) * (x_5 - x_6) m_{21} = (y_1 - y_4) * (x_4 - x_7) m_{22} = (y_0 - y_5) * (x_3 - x_8) \\ m_{23} &= (y_{10} - y_6) * (x_2 - x_9) m_{24} = (y_9 - y_7) * (x_1 - x_{10}) \\ m_{25} &= (y_1 - y_3) * (x_5 - x_7) m_{26} = (y_0 - y_4) * (x_4 - x_8) m_{27} = (y_{10} - y_5) * (x_3 - x_9) \\ m_{28} &= (y_9 - y_6) * (x_2 - x_{10}) m_{29} = (y_7 - y_8) * (x_0 - x_1) \\ m_{30} &= (y_1 - y_2) * (x_6 - x_7) m_{31} = (y_0 - y_3) * (x_5 - x_8) m_{32} = (y_{10} - y_4) * (x_4 - x_9) \\ m_{33} &= (y_9 - y_5) * (x_3 - x_{10}) m_{34} = (y_6 - y_8) * (x_0 - x_2) \\ m_{35} &= (y_0 - y_2) * (x_6 - x_8) m_{36} = (y_{10} - y_3) * (x_5 - x_9) m_{37} = (y_9 - y_4) * (x_4 - x_{10}) \\ m_{38} &= (y_6 - y_7) * (x_1 - x_2) m_{39} = (y_5 - y_8) * (x_0 - x_3) \\ m_{40} &= (y_0 - y_1) * (x_7 - x_8) m_{41} = (y_{10} - y_2) * (x_6 - x_9) m_{42} = (y_9 - y_3) * (x_5 - x_{10}) \\ m_{43} &= (y_5 - y_7) * (x_1 - x_3) m_{44} = (y_4 - y_8) * (x_0 - x_4) \\ m_{45} &= (y_{10} - y_1) * (x_7 - x_9) m_{46} = (y_9 - y_2) * (x_6 - x_{10}) m_{47} = (y_5 - y_6) * (x_2 - x_3) \\ m_{48} &= (y_4 - y_7) * (x_1 - x_4) m_{49} = (y_3 - y_8) * (x_0 - x_5) \\ m_{50} &= (y_{10} - y_0) * (x_8 - x_9) m_{51} = (y_9 - y_1) * (x_7 - x_{10}) m_{52} = (y_4 - y_6) * (x_2 - x_4) \\ m_{53} &= (y_3 - y_7) * (x_1 - x_5) m_{54} = (y_2 - y_8) * (x_0 - x_6) \end{aligned}$$

11-2

$$\begin{aligned} m_0 &= (x_9 - x_7) * (y_8 - y_{10}) m_1 = (x_{10} - x_6) * (y_0 - y_7) m_2 = (x_5 - x_0) * (y_1 - y_6) \\ m_3 &= (x_4 - x_1) * (y_2 - y_5) m_4 = (x_3 - x_2) * (y_3 - y_4) \\ m_5 &= (y_8 - y_9) * (x_8 - x_9) m_6 = (y_7 - y_{10}) * (x_7 - x_{10}) m_7 = (y_2 - y_4) * (x_2 - x_4) \\ m_8 &= (y_1 - y_5) * (x_1 - x_5) m_9 = (y_0 - y_6) * (x_0 - x_6) \\ m_{10} &= (y_7 - y_9) * (x_8 - x_{10}) m_{11} = (y_2 - y_3) * (x_3 - x_4) m_{12} = (y_1 - y_4) * (x_2 - x_5) \\ m_{13} &= (y_0 - y_5) * (x_1 - x_6) m_{14} = (y_{10} - y_6) * (x_0 - x_7) \\ m_{15} &= (y_7 - y_8) * (x_9 - x_{10}) m_{16} = (y_1 - y_3) * (x_3 - x_5) m_{17} = (y_0 - y_4) * (x_2 - x_6) \\ m_{18} &= (y_{10} - y_5) * (x_1 - x_7) m_{19} = (y_9 - y_6) * (x_0 - x_8) \\ m_{20} &= (y_1 - y_2) * (x_4 - x_5) m_{21} = (y_0 - y_3) * (x_3 - x_6) m_{22} = (y_{10} - y_4) * (x_2 - x_7) \\ m_{23} &= (y_9 - y_5) * (x_1 - x_8) m_{24} = (y_8 - y_6) * (x_0 - x_9) \\ m_{25} &= (y_0 - y_2) * (x_4 - x_6) m_{26} = (y_{10} - y_3) * (x_3 - x_7) m_{27} = (y_9 - y_4) * (x_2 - x_8) \\ m_{28} &= (y_8 - y_5) * (x_1 - x_9) m_{29} = (y_7 - y_6) * (x_0 - x_{10}) \\ m_{30} &= (y_0 - y_1) * (x_5 - x_6) m_{31} = (y_{10} - y_2) * (x_4 - x_7) m_{32} = (y_9 - y_3) * (x_3 - x_8) \\ m_{33} &= (y_8 - y_4) * (x_2 - x_9) m_{34} = (y_7 - y_5) * (x_1 - x_{10}) \\ m_{35} &= (y_{10} - y_1) * (x_5 - x_7) m_{36} = (y_9 - y_2) * (x_4 - x_8) m_{37} = (y_8 - y_3) * (x_3 - x_9) \\ m_{38} &= (y_7 - y_4) * (x_2 - x_{10}) m_{39} = (y_5 - y_6) * (x_0 - x_1) \\ m_{40} &= (y_{10} - y_0) * (x_6 - x_7) m_{41} = (y_9 - y_1) * (x_5 - x_8) m_{42} = (y_8 - y_2) * (x_4 - x_9) \end{aligned}$$

$$\begin{aligned} m_{43} &= (y_7 - y_3) * (x_3 - x_{10}) m_{44} = (y_4 - y_6) * (x_0 - x_2) \\ m_{45} &= (y_9 - y_0) * (x_6 - x_8) m_{46} = (y_8 - y_1) * (x_5 - x_9) m_{47} = (y_7 - y_2) * (x_4 - x_{10}) \\ m_{48} &= (y_4 - y_5) * (x_1 - x_2) m_{49} = (y_3 - y_6) * (x_0 - x_3) \\ m_{50} &= (y_9 - y_{10}) * (x_7 - x_8) m_{51} = (y_8 - y_0) * (x_6 - x_9) m_{52} = (y_7 - y_1) * (x_5 - x_{10}) \\ m_{53} &= (y_3 - y_5) * (x_1 - x_3) m_{54} = (y_2 - y_6) * (x_0 - x_4) \end{aligned}$$

11-3

$$\begin{aligned} m_0 &= (x_9 - x_5) * (y_6 - y_{10}) m_1 = (x_8 - x_6) * (y_7 - y_9) m_2 = (x_4 - x_{10}) * (y_0 - y_5) \\ m_3 &= (x_3 - x_0) * (y_1 - y_4) m_4 = (x_2 - x_1) * (y_2 - y_3); \\ m_5 &= (y_7 - y_8) * (x_7 - x_8) m_6 = (y_6 - y_9) * (x_6 - x_9) m_7 = (y_5 - y_{10}) * (x_5 - x_{10}) \\ m_8 &= (y_1 - y_3) * (x_1 - x_3) m_9 = (y_0 - y_4) * (x_0 - x_4) \\ m_{10} &= (y_6 - y_8) * (x_7 - x_9) m_{11} = (y_5 - y_9) * (x_6 - x_{10}) m_{12} = (y_1 - y_2) * (x_2 - x_3) \\ m_{13} &= (y_0 - y_3) * (x_1 - x_4) m_{14} = (y_{10} - y_4) * (x_0 - x_5) \\ m_{15} &= (y_6 - y_7) * (x_8 - x_9) m_{16} = (y_5 - y_8) * (x_7 - x_{10}) m_{17} = (y_0 - y_2) * (x_2 - x_4) \\ m_{18} &= (y_{10} - y_3) * (x_1 - x_5) m_{19} = (y_9 - y_4) * (x_0 - x_6) \\ m_{20} &= (y_5 - y_7) * (x_8 - x_{10}) m_{21} = (y_0 - y_1) * (x_3 - x_4) m_{22} = (y_{10} - y_2) * (x_2 - x_5) \\ m_{23} &= (y_9 - y_3) * (x_1 - x_6) m_{24} = (y_8 - y_4) * (x_0 - x_7) \\ m_{25} &= (y_5 - y_6) * (x_9 - x_{10}) m_{26} = (y_{10} - y_1) * (x_3 - x_5) m_{27} = (y_9 - y_2) * (x_2 - x_6) \\ m_{28} &= (y_8 - y_3) * (x_1 - x_7) m_{29} = (y_5 - y_3) * (x_1 - x_{10}) \\ m_{30} &= (y_{10} - y_0) * (x_4 - x_5) m_{31} = (y_9 - y_1) * (x_3 - x_6) m_{32} = (y_8 - y_2) * (x_2 - x_7) \\ m_{33} &= (y_7 - y_3) * (x_1 - x_8) m_{34} = (y_6 - y_4) * (x_0 - x_9) \\ m_{35} &= (y_9 - y_0) * (x_4 - x_6) m_{36} = (y_8 - y_1) * (x_3 - x_7) m_{37} = (y_7 - y_2) * (x_2 - x_8) \\ m_{38} &= (y_6 - y_3) * (x_1 - x_9) m_{39} = (y_5 - y_4) * (x_0 - x_{10}) \\ m_{40} &= (y_9 - y_{10}) * (x_5 - x_6) m_{41} = (y_8 - y_0) * (x_4 - x_7) m_{42} = (y_7 - y_1) * (x_3 - x_8) \\ m_{43} &= (y_6 - y_2) * (x_2 - x_9) m_{44} = (y_5 - y_3) * (x_1 - x_{10}) \\ m_{45} &= (y_8 - y_{10}) * (x_5 - x_7) m_{46} = (y_7 - y_0) * (x_4 - x_8) m_{47} = (y_6 - y_1) * (x_3 - x_9) \\ m_{48} &= (y_5 - y_2) * (x_2 - x_{10}) m_{49} = (y_3 - y_4) * (x_0 - x_1) \\ m_{50} &= (y_8 - y_9) * (x_6 - x_7) m_{51} = (y_7 - y_{10}) * (x_5 - x_8) m_{52} = (y_6 - y_0) * (x_4 - x_9) \\ m_{53} &= (y_5 - y_1) * (x_3 - x_{10}) m_{54} = (y_2 - y_4) * (x_0 - x_2) \end{aligned}$$

11-4

$$\begin{aligned} m_0 &= (x_9 - x_3) * (y_4 - y_{10}) m_1 = (x_8 - x_4) * (y_5 - y_9) m_2 = (x_7 - x_5) * (y_6 - y_8) \\ m_3 &= (x_2 - x_{10}) * (y_0 - y_3) m_4 = (x_1 - x_0) * (y_1 - y_2) \\ m_5 &= (y_6 - y_7) * (x_6 - x_7) m_6 = (y_5 - y_8) * (x_5 - x_8) m_7 = (y_4 - y_9) * (x_4 - x_9) \\ m_8 &= (y_3 - y_{10}) * (x_3 - x_{10}) m_9 = (y_0 - y_2) * (x_0 - x_2) \\ m_{10} &= (y_5 - y_7) * (x_6 - x_8) m_{11} = (y_4 - y_8) * (x_5 - x_9) m_{12} = (y_3 - y_9) * (x_4 - x_{10}) \\ m_{13} &= (y_0 - y_1) * (x_1 - x_2) m_{14} = (y_{10} - y_2) * (x_0 - x_3) \\ m_{15} &= (y_5 - y_6) * (x_7 - x_8) m_{16} = (y_4 - y_7) * (x_6 - x_9) m_{17} = (y_3 - y_8) * (x_5 - x_{10}) \\ m_{18} &= (y_{10} - y_1) * (x_1 - x_3) m_{19} = (y_9 - y_2) * (x_0 - x_4) \\ m_{20} &= (y_4 - y_6) * (x_7 - x_9) m_{21} = (y_3 - y_7) * (x_6 - x_{10}) m_{22} = (y_{10} - y_0) * (x_2 - x_3) \\ m_{23} &= (y_9 - y_1) * (x_1 - x_4) m_{24} = (y_8 - y_2) * (x_0 - x_5) \\ m_{25} &= (y_4 - y_5) * (x_8 - x_9) m_{26} = (y_3 - y_6) * (x_7 - x_{10}) m_{27} = (y_9 - y_0) * (x_2 - x_4) \\ m_{28} &= (y_8 - y_1) * (x_1 - x_5) m_{29} = (y_7 - y_2) * (x_0 - x_6) \\ m_{30} &= (y_3 - y_5) * (x_8 - x_{10}) m_{31} = (y_9 - y_{10}) * (x_3 - x_4) m_{32} = (y_8 - y_0) * (x_2 - x_5) \\ m_{33} &= (y_7 - y_1) * (x_1 - x_6) m_{34} = (y_6 - y_2) * (x_0 - x_7) \\ m_{35} &= (y_3 - y_4) * (x_9 - x_{10}) m_{36} = (y_8 - y_{10}) * (x_3 - x_5) m_{37} = (y_7 - y_0) * (x_2 - x_6) \\ m_{38} &= (y_6 - y_1) * (x_1 - x_7) m_{39} = (y_5 - y_2) * (x_0 - x_8) \\ m_{40} &= (y_8 - y_9) * (x_4 - x_5) m_{41} = (y_7 - y_{10}) * (x_3 - x_6) m_{42} = (y_6 - y_0) * (x_2 - x_7) \\ m_{43} &= (y_5 - y_1) * (x_1 - x_8) m_{44} = (y_4 - y_2) * (x_0 - x_9) \\ m_{45} &= (y_7 - y_9) * (x_4 - x_6) m_{46} = (y_6 - y_{10}) * (x_3 - x_7) m_{47} = (y_5 - y_0) * (x_2 - x_8) \\ m_{48} &= (y_4 - y_1) * (x_1 - x_9) m_{49} = (y_3 - y_2) * (x_0 - x_{10}) \\ m_{50} &= (y_7 - y_8) * (x_5 - x_6) m_{51} = (y_6 - y_9) * (x_4 - x_7) m_{52} = (y_5 - y_{10}) * (x_3 - x_8) \\ m_{53} &= (y_4 - y_0) * (x_2 - x_9) m_{54} = (y_3 - y_1) * (x_1 - x_{10}) \end{aligned}$$

11-5

$$\begin{aligned} m_0 &= (x_9 - x_3) * (y_4 - y_{10}) m_1 = (x_8 - x_4) * (y_5 - y_9) m_2 = (x_7 - x_5) * (y_6 - y_8) \\ m_3 &= (x_2 - x_{10}) * (y_0 - y_3) m_4 = (x_1 - x_0) * (y_1 - y_2) \\ m_5 &= (y_6 - y_7) * (x_6 - x_7) m_6 = (y_5 - y_8) * (x_5 - x_8) m_7 = (y_4 - y_9) * (x_4 - x_9) \\ m_8 &= (y_3 - y_{10}) * (x_3 - x_{10}) m_9 = (y_0 - y_2) * (x_0 - x_2) \\ m_{10} &= (y_5 - y_7) * (x_6 - x_8) m_{11} = (y_4 - y_8) * (x_5 - x_9) m_{12} = (y_3 - y_9) * (x_4 - x_{10}) \\ m_{13} &= (y_0 - y_1) * (x_1 - x_2) m_{14} = (y_{10} - y_2) * (x_0 - x_3) \\ m_{15} &= (y_5 - y_6) * (x_7 - x_8) m_{16} = (y_4 - y_7) * (x_6 - x_9) m_{17} = (y_3 - y_8) * (x_5 - x_{10}) \\ m_{18} &= (y_{10} - y_1) * (x_1 - x_3) m_{19} = (y_9 - y_2) * (x_0 - x_4) \\ m_{20} &= (y_4 - y_6) * (x_7 - x_9) m_{21} = (y_3 - y_7) * (x_6 - x_{10}) m_{22} = (y_{10} - y_0) * (x_2 - x_3) \\ m_{23} &= (y_9 - y_1) * (x_1 - x_4) m_{24} = (y_8 - y_2) * (x_0 - x_5) \\ m_{25} &= (y_4 - y_5) * (x_8 - x_9) m_{26} = (y_3 - y_6) * (x_7 - x_{10}) m_{27} = (y_9 - y_0) * (x_2 - x_4) \end{aligned}$$

$m_{28}=(y_8-y_1)*(x_1-x_5)m_{29}=(y_7-y_2)*(x_0-x_6)$
 $m_{30}=(y_3-y_5)*(x_8-x_{10})m_{31}=(y_9-y_{10})*(x_3-x_4)m_{32}=(y_8-y_0)*(x_2-x_5)$
 $m_{33}=(y_7-y_1)*(x_1-x_6)m_{34}=(y_6-y_2)*(x_0-x_7)$
 $m_{35}=(y_3-y_4)*(x_9-x_{10})m_{36}=(y_8-y_{10})*(x_3-x_5)m_{37}=(y_7-y_0)*(x_2-x_6)$
 $m_{38}=(y_6-y_1)*(x_1-x_7)m_{39}=(y_5-y_2)*(x_0-x_8)$
 $m_{40}=(y_8-y_9)*(x_4-x_5)m_{41}=(y_7-y_{10})*(x_3-x_6)m_{42}=(y_6-y_0)*(x_2-x_7)$
 $m_{43}=(y_5-y_1)*(x_1-x_8)m_{44}=(y_4-y_2)*(x_0-x_9)$
 $m_{45}=(y_7-y_9)*(x_4-x_6)m_{46}=(y_6-y_{10})*(x_3-x_7)m_{47}=(y_5-y_0)*(x_2-x_8)$
 $m_{48}=(y_4-y_1)*(x_1-x_9)m_{49}=(y_3-y_2)*(x_0-x_{10})$
 $m_{50}=(y_7-y_8)*(x_5-x_6)m_{51}=(y_6-y_9)*(x_4-x_7)m_{52}=(y_5-y_{10})*(x_3-x_8)$
 $m_{53}=(y_4-y_0)*(x_2-x_9)m_{54}=(y_3-y_1)*(x_1-x_{10})$

11-6

$m_0=(x_9-x_{10})*(y_0-y_{10})m_1=(x_8-x_0)*(y_1-y_9)m_2=(x_7-x_1)*(y_2-y_8)$
 $m_3=(x_6-x_2)*(y_3-y_7)m_4=(x_5-x_3)*(y_4-y_6)$
 $m_5=(y_4-y_6)*(x_4-x_6)m_6=(y_3-y_7)*(x_3-x_7)m_7=(y_2-y_8)*(x_2-x_8)$
 $m_8=(y_1-y_9)*(x_1-x_9)m_9=(y_0-y_{10})*(x_0-x_{10})$
 $m_{10}=(y_4-y_5)*(x_5-x_6)m_{11}=(y_3-y_6)*(x_4-x_7)m_{12}=(y_2-y_7)*(x_3-x_8)$
 $m_{13}=(y_1-y_8)*(x_2-x_9)m_{14}=(y_0-y_9)*(x_1-x_{10})$
 $m_{15}=(y_3-y_5)*(x_5-x_7)m_{16}=(y_2-y_6)*(x_4-x_8)m_{17}=(y_1-y_7)*(x_3-x_9)$
 $m_{18}=(y_0-y_8)*(x_2-x_{10})m_{19}=(y_9-y_{10})*(x_0-x_1)$
 $m_{20}=(y_3-y_4)*(x_6-x_7)m_{21}=(y_2-y_5)*(x_5-x_8)m_{22}=(y_1-y_6)*(x_4-x_9)$
 $m_{23}=(y_0-y_7)*(x_3-x_{10})m_{24}=(y_8-y_{10})*(x_0-x_2)$
 $m_{25}=(y_2-y_4)*(x_6-x_8)m_{26}=(y_1-y_5)*(x_5-x_9)m_{27}=(y_0-y_6)*(x_4-x_{10})$
 $m_{28}=(y_8-y_9)*(x_1-x_2)m_{29}=(y_7-y_{10})*(x_0-x_3)$
 $m_{30}=(y_2-y_3)*(x_7-x_8)m_{31}=(y_1-y_4)*(x_6-x_9)m_{32}=(y_0-y_5)*(x_5-x_{10})$
 $m_{33}=(y_7-y_9)*(x_1-x_3)m_{34}=(y_6-y_{10})*(x_0-x_4)$
 $m_{35}=(y_1-y_3)*(x_7-x_9)m_{36}=(y_0-y_4)*(x_6-x_{10})m_{37}=(y_7-y_8)*(x_2-x_3)$
 $m_{38}=(y_6-y_9)*(x_1-x_4)m_{39}=(y_5-y_{10})*(x_0-x_5)$
 $m_{40}=(y_1-y_2)*(x_8-x_9)m_{41}=(y_0-y_3)*(x_7-x_{10})m_{42}=(y_6-y_8)*(x_2-x_4)$
 $m_{43}=(y_5-y_9)*(x_1-x_5)m_{44}=(y_4-y_{10})*(x_0-x_6)$
 $m_{45}=(y_0-y_2)*(x_8-x_{10})m_{46}=(y_6-y_7)*(x_3-x_4)m_{47}=(y_5-y_8)*(x_2-x_5)$
 $m_{48}=(y_4-y_9)*(x_1-x_6)m_{49}=(y_3-y_{10})*(x_0-x_7)$
 $m_{50}=(y_0-y_1)*(x_9-x_{10})m_{51}=(y_5-y_7)*(x_3-x_5)m_{52}=(y_4-y_8)*(x_2-x_6)$
 $m_{53}=(y_3-y_9)*(x_1-x_7)m_{54}=(y_2-y_{10})*(x_0-x_8)$

11-7

$m_0=(x_9-x_{10})*(y_0-y_{10})m_1=(x_8-x_0)*(y_1-y_9)m_2=(x_7-x_1)*(y_2-y_8)$
 $m_3=(x_6-x_2)*(y_3-y_7)m_4=(x_5-x_3)*(y_4-y_6)$
 $m_5=(y_4-y_5)*(x_4-x_5)m_6=(y_3-y_6)*(x_3-x_6)m_7=(y_2-y_7)*(x_2-x_7)$
 $m_8=(y_1-y_8)*(x_1-x_8)m_9=(y_0-y_9)*(x_0-x_9)$
 $m_{10}=(y_3-y_5)*(x_4-x_6)m_{11}=(y_2-y_6)*(x_3-x_7)m_{12}=(y_1-y_7)*(x_2-x_8)$
 $m_{13}=(y_0-y_8)*(x_1-x_9)m_{14}=(y_{10}-y_9)*(x_0-x_{10})$
 $m_{15}=(y_3-y_4)*(x_5-x_6)m_{16}=(y_2-y_5)*(x_4-x_7)m_{17}=(y_1-y_6)*(x_3-x_8)$
 $m_{18}=(y_0-y_7)*(x_2-x_9)m_{19}=(y_{10}-y_8)*(x_1-x_{10})$
 $m_{20}=(y_2-y_4)*(x_5-x_7)m_{21}=(y_1-y_5)*(x_4-x_8)m_{22}=(y_0-y_6)*(x_3-x_9)$
 $m_{23}=(y_{10}-y_7)*(x_2-x_{10})m_{24}=(y_8-y_9)*(x_0-x_1)$
 $m_{25}=(y_2-y_3)*(x_6-x_7)m_{26}=(y_1-y_4)*(x_5-x_8)m_{27}=(y_0-y_5)*(x_4-x_9)$
 $m_{28}=(y_{10}-y_6)*(x_3-x_{10})m_{29}=(y_7-y_9)*(x_0-x_2)$
 $m_{30}=(y_1-y_3)*(x_6-x_8)m_{31}=(y_0-y_4)*(x_5-x_9)m_{32}=(y_{10}-y_5)*(x_4-x_{10})$
 $m_{33}=(y_7-y_8)*(x_1-x_2)m_{34}=(y_6-y_9)*(x_0-x_3)$
 $m_{35}=(y_1-y_2)*(x_7-x_8)m_{36}=(y_0-y_3)*(x_6-x_9)m_{37}=(y_{10}-y_4)*(x_5-x_{10})$
 $m_{38}=(y_6-y_8)*(x_1-x_3)m_{39}=(y_5-y_9)*(x_0-x_4)$
 $m_{40}=(y_0-y_2)*(x_7-x_9)m_{41}=(y_{10}-y_3)*(x_6-x_{10})m_{42}=(y_6-y_7)*(x_2-x_3)$
 $m_{43}=(y_5-y_8)*(x_1-x_4)m_{44}=(y_4-y_9)*(x_0-x_5)$
 $m_{45}=(y_0-y_1)*(x_8-x_9)m_{46}=(y_{10}-y_2)*(x_7-x_{10})m_{47}=(y_5-y_7)*(x_2-x_4)$
 $m_{48}=(y_4-y_8)*(x_1-x_5)m_{49}=(y_3-y_9)*(x_0-x_6)$
 $m_{50}=(y_0-y_1)*(x_8-x_{10})m_{51}=(y_5-y_6)*(x_3-x_4)m_{52}=(y_4-y_7)*(x_2-x_5)$
 $m_{53}=(y_3-y_8)*(x_1-x_6)m_{54}=(y_2-y_9)*(x_0-x_7)$

11-8

$m_0=(x_9-x_8)*(y_9-y_{10})m_1=(x_7-x_{10})*(y_0-y_8)m_2=(x_6-x_0)*(y_1-y_7)$
 $m_3=(x_5-x_1)*(y_2-y_6)m_4=(x_4-x_2)*(y_3-y_5)$
 $m_5=(y_8-y_{10})*(x_8-x_{10})m_6=(y_3-y_4)*(x_3-x_4)m_7=(y_2-y_5)*(x_2-x_5)$
 $m_8=(y_1-y_6)*(x_1-x_6)m_9=(y_0-y_7)*(x_0-x_7)$
 $m_{10}=(y_8-y_9)*(x_9-x_{10})m_{11}=(y_2-y_4)*(x_3-x_5)m_{12}=(y_1-y_5)*(x_2-x_6)$

$m_{13}=(y_0-y_6)*(x_1-x_7)m_{14}=(y_{10}-y_7)*(x_0-x_8)$
 $m_{15}=(y_2-y_3)*(x_4-x_5)m_{16}=(y_1-y_4)*(x_3-x_6)m_{17}=(y_0-y_5)*(x_2-x_7)$
 $m_{18}=(y_{10}-y_6)*(x_1-x_8)m_{19}=(y_9-y_7)*(x_0-x_9)$
 $m_{20}=(y_1-y_3)*(x_4-x_6)m_{21}=(y_0-y_4)*(x_3-x_7)m_{22}=(y_{10}-y_5)*(x_2-x_8)$
 $m_{23}=(y_9-y_6)*(x_1-x_9)m_{24}=(y_8-y_7)*(x_0-x_{10})$
 $m_{25}=(y_1-y_2)*(x_5-x_6)m_{26}=(y_0-y_3)*(x_4-x_7)m_{27}=(y_{10}-y_4)*(x_3-x_8)$
 $m_{28}=(y_9-y_5)*(x_2-x_9)m_{29}=(y_8-y_6)*(x_1-x_{10})$
 $m_{30}=(y_0-y_2)*(x_5-x_7)m_{31}=(y_{10}-y_3)*(x_4-x_8)m_{32}=(y_9-y_4)*(x_3-x_9)$
 $m_{33}=(y_8-y_5)*(x_2-x_{10})m_{34}=(y_6-y_7)*(x_0-x_1)$
 $m_{35}=(y_0-y_1)*(x_6-x_7)m_{36}=(y_{10}-y_2)*(x_5-x_8)m_{37}=(y_9-y_3)*(x_4-x_9)$
 $m_{38}=(y_8-y_4)*(x_3-x_{10})m_{39}=(y_5-y_7)*(x_0-x_2)$
 $m_{40}=(y_{10}-y_1)*(x_6-x_8)m_{41}=(y_9-y_2)*(x_5-x_9)m_{42}=(y_8-y_3)*(x_4-x_{10})$
 $m_{43}=(y_5-y_6)*(x_1-x_2)m_{44}=(y_4-y_7)*(x_0-x_3)$
 $m_{45}=(y_{10}-y_0)*(x_7-x_8)m_{46}=(y_9-y_1)*(x_6-x_9)m_{47}=(y_8-y_2)*(x_5-x_{10})$
 $m_{48}=(y_4-y_6)*(x_1-x_3)m_{49}=(y_3-y_7)*(x_0-x_4)$
 $m_{50}=(y_9-y_0)*(x_7-x_9)m_{51}=(y_8-y_1)*(x_6-x_{10})m_{52}=(y_4-y_5)*(x_2-x_3)$
 $m_{53}=(y_3-y_6)*(x_1-x_4)m_{54}=(y_2-y_7)*(x_0-x_5)$

11-9

$m_0=(x_9-x_6)*(y_7-y_{10})m_1=(x_8-x_7)*(y_8-y_9)m_2=(x_5-x_{10})*(y_0-y_6)$
 $m_3=(x_4-x_0)*(y_1-y_5)m_4=(x_3-x_1)*(y_2-y_4)$
 $m_5=(y_7-y_9)*(x_7-x_9)m_6=(y_6-y_{10})*(x_6-x_{10})m_7=(y_2-y_3)*(x_2-x_3)$
 $m_8=(y_1-y_4)*(x_1-x_4)m_9=(y_0-y_5)*(x_0-x_5)$
 $m_{10}=(y_7-y_8)*(x_8-x_9)m_{11}=(y_6-y_9)*(x_7-x_{10})m_{12}=(y_1-y_3)*(x_2-x_4)$
 $m_{13}=(y_0-y_4)*(x_1-x_5)m_{14}=(y_{10}-y_5)*(x_0-x_6)$
 $m_{15}=(y_6-y_8)*(x_8-x_{10})m_{16}=(y_1-y_2)*(x_3-x_4)m_{17}=(y_0-y_3)*(x_2-x_5)$
 $m_{18}=(y_{10}-y_4)*(x_1-x_6)m_{19}=(y_9-y_5)*(x_0-x_7)$
 $m_{20}=(y_6-y_7)*(x_9-x_{10})m_{21}=(y_0-y_2)*(x_3-x_5)m_{22}=(y_{10}-y_3)*(x_2-x_6)$
 $m_{23}=(y_9-y_4)*(x_1-x_7)m_{24}=(y_8-y_5)*(x_0-x_8)$
 $m_{25}=(y_0-y_1)*(x_4-x_5)m_{26}=(y_{10}-y_2)*(x_3-x_6)m_{27}=(y_9-y_3)*(x_2-x_7)$
 $m_{28}=(y_8-y_4)*(x_1-x_8)m_{29}=(y_7-y_5)*(x_0-x_9)$
 $m_{30}=(y_{10}-y_1)*(x_4-x_6)m_{31}=(y_9-y_2)*(x_3-x_7)m_{32}=(y_8-y_3)*(x_2-x_8)$
 $m_{33}=(y_7-y_4)*(x_1-x_9)m_{34}=(y_6-y_5)*(x_0-x_{10})$
 $m_{35}=(y_{10}-y_0)*(x_5-x_6)m_{36}=(y_9-y_1)*(x_4-x_7)m_{37}=(y_8-y_2)*(x_3-x_8)$
 $m_{38}=(y_7-y_3)*(x_2-x_9)m_{39}=(y_6-y_4)*(x_1-x_{10})$
 $m_{40}=(y_9-y_0)*(x_5-x_7)m_{41}=(y_8-y_1)*(x_4-x_8)m_{42}=(y_7-y_2)*(x_3-x_9)$
 $m_{43}=(y_6-y_3)*(x_2-x_{10})m_{44}=(y_4-y_5)*(x_0-x_1)$
 $m_{45}=(y_9-y_{10})*(x_6-x_7)m_{46}=(y_8-y_0)*(x_5-x_8)m_{47}=(y_7-y_1)*(x_4-x_9)$
 $m_{48}=(y_6-y_2)*(x_3-x_{10})m_{49}=(y_3-y_5)*(x_0-x_2)$
 $m_{50}=(y_8-y_{10})*(x_6-x_8)m_{51}=(y_7-y_0)*(x_5-x_9)m_{52}=(y_6-y_1)*(x_4-x_{10})$
 $m_{53}=(y_3-y_4)*(x_1-x_2)m_{54}=(y_2-y_5)*(x_0-x_3)$

11-10

$m_0=(x_9-x_4)*(y_5-y_{10})m_1=(x_8-x_5)*(y_6-y_9)m_2=(x_7-x_6)*(y_7-y_8)$
 $m_3=(x_3-x_{10})*(y_0-y_4)m_4=(x_2-x_0)*(y_1-y_3)$
 $m_5=(y_6-y_8)*(x_6-x_8)m_6=(y_5-y_9)*(x_5-x_9)m_7=(y_4-y_{10})*(x_4-x_{10})$
 $m_8=(y_1-y_2)*(x_1-x_2)m_9=(y_0-y_3)*(x_0-x_3)$
 $m_{10}=(y_6-y_7)*(x_7-x_8)m_{11}=(y_5-y_8)*(x_6-x_9)m_{12}=(y_4-y_9)*(x_5-x_{10})$
 $m_{13}=(y_0-y_2)*(x_1-x_3)m_{14}=(y_{10}-y_3)*(x_0-x_4)$
 $m_{15}=(y_5-y_7)*(x_7-x_9)m_{16}=(y_4-y_8)*(x_6-x_{10})m_{17}=(y_0-y_1)*(x_2-x_3)$
 $m_{18}=(y_{10}-y_2)*(x_1-x_4)m_{19}=(y_9-y_3)*(x_0-x_5)$
 $m_{20}=(y_5-y_6)*(x_8-x_9)m_{21}=(y_4-y_7)*(x_7-x_{10})m_{22}=(y_{10}-y_1)*(x_2-x_4)$
 $m_{23}=(y_9-y_2)*(x_1-x_5)m_{24}=(y_8-y_3)*(x_0-x_6)$
 $m_{25}=(y_4-y_6)*(x_8-x_{10})m_{26}=(y_{10}-y_0)*(x_3-x_4)m_{27}=(y_9-y_1)*(x_2-x_5)$
 $m_{28}=(y_8-y_2)*(x_1-x_6)m_{29}=(y_7-y_3)*(x_0-x_7)$
 $m_{30}=(y_4-y_5)*(x_9-x_{10})m_{31}=(y_9-y_0)*(x_3-x_5)m_{32}=(y_8-y_1)*(x_2-x_6)$
 $m_{33}=(y_7-y_2)*(x_1-x_7)m_{34}=(y_6-y_3)*(x_0-x_8)$
 $m_{35}=(y_9-y_{10})*(x_4-x_5)m_{36}=(y_8-y_0)*(x_3-x_6)m_{37}=(y_7-y_1)*(x_2-x_7)$
 $m_{38}=(y_6-y_2)*(x_1-x_8)m_{39}=(y_5-y_3)*(x_0-x_9)$
 $m_{40}=(y_8-y_{10})*(x_4-x_6)m_{41}=(y_7-y_0)*(x_3-x_7)m_{42}=(y_6-y_1)*(x_2-x_8)$
 $m_{43}=(y_5-y_2)*(x_1-x_9)m_{44}=(y_4-y_3)*(x_0-x_{10})$
 $m_{45}=(y_8-y_9)*(x_5-x_6)m_{46}=(y_7-y_{10})*(x_4-x_7)m_{47}=(y_6-y_0)*(x_3-x_8)$
 $m_{48}=(y_5-y_1)*(x_2-x_9)m_{49}=(y_4-y_2)*(x_1-x_{10})$
 $m_{50}=(y_7-y_9)*(x_5-x_7)m_{51}=(y_6-y_{10})*(x_4-x_8)m_{52}=(y_5-y_0)*(x_3-x_9)$
 $m_{53}=(y_4-y_1)*(x_2-x_{10})m_{54}=(y_2-y_3)*(x_0-x_1)$

11-11

$m0=(x9-x2)*(y3-y10)m1=(x8-x3)*(y4-y9)m2=(x7-x4)*(y5-y8)$
 $m3=(x6-x5)*(y6-y7)m4=(x1-x10)*(y0-y2)$
 $m5=(y5-y7)*(x5-x7)m6=(y4-y8)*(x4-x8)m7=(y3-y9)*(x3-x9)$
 $m8=(y2-y10)*(x2-x10)m9=(y0-y1)*(x0-x1)$
 $m10=(y5-y6)*(x6-x7)m11=(y4-y7)*(x5-x8)m12=(y3-y8)*(x4-x9)$
 $m13=(y2-y9)*(x3-x10)m14=(y10-y1)*(x0-x2)$
 $m15=(y4-y6)*(x6-x8)m16=(y3-y7)*(x5-x9)m17=(y2-y8)*(x4-x10)$
 $m18=(y10-y0)*(x1-x2)m19=(y9-y1)*(x0-x3)$
 $m20=(y4-y5)*(x7-x8)m21=(y3-y6)*(x6-x9)m22=(y2-y7)*(x5-x10)$
 $m23=(y9-y0)*(x1-x3)m24=(y8-y1)*(x0-x4)$
 $m25=(y3-y5)*(x7-x9)m26=(y2-y6)*(x6-x10)m27=(y9-y10)*(x2-x3)$
 $m28=(y8-y5)*(x1-x4)m29=(y7-y1)*(x0-x5)$
 $m30=(y3-y4)*(x8-x9)m31=(y2-y5)*(x7-x10)m32=(y8-y10)*(x2-x4)$
 $m33=(y7-y0)*(x1-x5)m34=(y6-y1)*(x0-x6)$
 $m35=(y2-y4)*(x8-x10)m36=(y8-y9)*(x3-x4)m37=(y7-y10)*(x2-x5)$
 $m38=(y6-y0)*(x1-x6)m39=(y5-y1)*(x0-x7)$
 $m40=(y2-y3)*(x9-x10)m41=(y7-y9)*(x3-x5)m42=(y6-y10)*(x2-x6)$
 $m43=(y5-y0)*(x1-x7)m44=(y4-y1)*(x0-x8)$
 $m45=(y7-y8)*(x4-x5)m46=(y6-y9)*(x3-x6)m47=(y5-y10)*(x2-x7)$
 $m48=(y4-y0)*(x1-x8)m49=(y3-y1)*(x0-x9)$
 $m50=(y6-y8)*(x4-x6)m51=(y5-y9)*(x3-x7)m52=(y4-y10)*(x2-x8)$
 $m53=(y3-y0)*(x1-x9)m54=(y2-y1)*(x0-x10)$

13-Point Solutions:

$(x_0 + x_1\mu + x_2\mu^2 + \dots + x_{12}\mu^{12})(y_0 + y_1\mu + y_2\mu^2 + \dots + y_{11}\mu^{11})$

$$\text{mod}(\mu^{12} + \mu^{11} + \dots + 1) = \tilde{A}_{11}\mu^{11} + \dots + \tilde{A}_1\mu + \tilde{A}_0$$

$\tilde{A}_0=m0+m1+m2+m3+m4+m5+m6+m7+m8+m9+m10+m11$
 $\tilde{A}_1=m0+m1+m2+m3+m4+m5+m12+m13+m14+m15+m16+m17$
 $\tilde{A}_2=m0+m1+m2+m3+m4+m5+m18+m19+m20+m21+m22+m23$
 $\tilde{A}_3=m0+m1+m2+m3+m4+m5+m24+m25+m26+m27+m28+m29$
 $\tilde{A}_4=m0+m1+m2+m3+m4+m5+m30+m31+m32+m33+m34+m35$
 $\tilde{A}_5=m0+m1+m2+m3+m4+m5+m36+m37+m38+m39+m40+m41$
 $\tilde{A}_6=m0+m1+m2+m3+m4+m5+m42+m43+m44+m45+m46+m47$
 $\tilde{A}_7=m0+m1+m2+m3+m4+m5+m48+m49+m50+m51+m52+m53$
 $\tilde{A}_8=m0+m1+m2+m3+m4+m5+m54+m55+m56+m57+m58+m59$
 $\tilde{A}_9=m0+m1+m2+m3+m4+m5+m60+m61+m62+m63+m64+m65$
 $\tilde{A}_{10}=m0+m1+m2+m3+m4+m5+m66+m67+m68+m69+m70+m71$
 $\tilde{A}_{11}=m0+m1+m2+m3+m4+m5+m72+m73+m74+m75+m76+m77$

13-1

$m0=(x9-x0)*(y1-y10)m1=(x8-x1)*(y2-y9)m2=(x7-x2)*(y3-y8)$
 $m3=(x6-x3)*(y4-y7)m4=(x5-x4)*(y5-y6)m5=(x10-x12)*(y0-y11)$
 $m6=(y11-y12)*(x11-x12)m7=(y4-y6)*(x4-x6)m8=(y3-y7)*(x3-x7)$
 $m9=(y2-y8)*(x2-x8)m10=(y1-y9)*(x1-x9)m11=(y0-y10)*(x0-x10)$
 $m12=(y4-y5)*(x5-x6)m13=(y3-y6)*(x4-x7)m14=(y2-y7)*(x3-x8)$
 $m15=(y1-y8)*(x2-x9)m16=(y0-y9)*(x1-x10)m17=(y12-y10)*(x0-x11)$
 $m18=(y3-y5)*(x5-x7)m19=(y2-y6)*(x4-x8)m20=(y1-y7)*(x3-x9)$
 $m21=(y0-y8)*(x2-x10)m22=(y12-y9)*(x1-x11)m23=(y11-y10)*(x0-x12)$
 $m24=(y3-y4)*(x6-x7)m25=(y2-y5)*(x5-x8)m26=(y1-y6)*(x4-x9)$
 $m27=(y0-y7)*(x3-x10)m28=(y12-y8)*(x2-x11)m29=(y11-y9)*(x1-x12)$
 $m30=(y2-y4)*(x6-x8)m31=(y1-y5)*(x5-x9)m32=(y0-y6)*(x4-x10)$
 $m33=(y12-y7)*(x3-x11)m34=(y11-y8)*(x2-x12)m35=(y9-y10)*(x0-x1)$
 $m36=(y2-y3)*(x7-x8)m37=(y1-y4)*(x6-x9)m38=(y0-y5)*(x5-x10)$
 $m39=(y12-y6)*(x4-x11)m40=(y11-y7)*(x3-x12)m41=(y8-y10)*(x0-x2)$
 $m42=(y1-y3)*(x7-x9)m43=(y0-y4)*(x6-x10)m44=(y12-y5)*(x5-x11)$
 $m45=(y11-y6)*(x4-x12)m46=(y8-y9)*(x1-x2)m47=(y7-y10)*(x0-x3)$
 $m48=(y1-y2)*(x8-x9)m49=(y0-y3)*(x7-x10)m50=(y12-y4)*(x6-x11)$
 $m51=(y11-y5)*(x5-x12)m52=(y7-y9)*(x1-x3)m53=(y6-y10)*(x0-x4)$
 $m54=(y0-y2)*(x8-x10)m55=(y12-y3)*(x7-x11)m56=(y11-y4)*(x6-x12)$
 $m57=(y7-y8)*(x2-x3)m58=(y6-y9)*(x1-x4)m59=(y5-y10)*(x0-x5)$
 $m60=(y0-y1)*(x9-x10)m61=(y12-y2)*(x8-x11)m62=(y11-y3)*(x7-x12)$
 $m63=(y6-y8)*(x2-x4)m64=(y5-y9)*(x1-x5)m65=(y4-y10)*(x0-x6)$
 $m66=(y12-y1)*(x9-x11)m67=(y11-y2)*(x8-x12)m68=(y6-y7)*(x3-x4)$
 $m69=(y5-y8)*(x2-x5)m70=(y4-y9)*(x1-x6)m71=(y3-y10)*(x0-x7)$

$m72=(y12-y0)*(x10-x11)m73=(y11-y1)*(x9-x12)m74=(y5-y7)*(x3-x5)$
 $m75=(y4-y8)*(x2-x6)m76=(y3-y9)*(x1-x7)m77=(y2-y10)*(x0-x8)$

13-2

$m0=(x7-x0)*(y1-y8)m1=(x6-x1)*(y2-y7)m2=(x5-x2)*(y3-y6)$
 $m3=(x4-x3)*(y4-y5)m4=(x8-x12)*(y0-y9)m5=(x11-x9)*(y10-y12)$
 $m6=(y10-y11)*(x10-x11)m7=(y9-y12)*(x9-x12)m8=(y3-y5)*(x3-x5)$
 $m9=(y2-y6)*(x2-x6)m10=(y1-y7)*(x1-x7)m11=(y0-y8)*(x0-x8)$
 $m12=(y9-y11)*(x10-x12)m13=(y3-y4)*(x4-x5)m14=(y2-y5)*(x3-x6)$
 $m15=(y1-y6)*(x2-x7)m16=(y0-y7)*(x1-x8)m17=(y12-y8)*(x0-x9)$
 $m18=(y9-y10)*(x11-x12)m19=(y2-y4)*(x4-x6)m20=(y1-y5)*(x3-x7)$
 $m21=(y0-y6)*(x2-x8)m22=(y12-y7)*(x1-x9)m23=(y11-y8)*(x0-x10)$
 $m24=(y2-y3)*(x5-x6)m25=(y1-y4)*(x4-x7)m26=(y0-y5)*(x3-x8)$
 $m27=(y12-y6)*(x2-x9)m28=(y11-y7)*(x1-x10)m29=(y10-y8)*(x0-x11)$
 $m30=(y1-y3)*(x5-x7)m31=(y0-y4)*(x4-x8)m32=(y12-y5)*(x3-x9)$
 $m33=(y11-y6)*(x2-x10)m34=(y10-y7)*(x1-x11)m35=(y9-y8)*(x0-x12)$
 $m36=(y1-y2)*(x6-x7)m37=(y0-y3)*(x5-x8)m38=(y12-y4)*(x4-x9)$
 $m39=(y11-y5)*(x3-x10)m40=(y10-y6)*(x2-x11)m41=(y9-y7)*(x1-x12)$
 $m42=(y0-y2)*(x6-x8)m43=(y12-y3)*(x5-x9)m44=(y11-y4)*(x4-x10)$
 $m45=(y10-y5)*(x3-x11)m46=(y9-y6)*(x2-x12)m47=(y7-y8)*(x0-x1)$
 $m48=(y0-y1)*(x7-x8)m49=(y12-y2)*(x6-x9)m50=(y11-y3)*(x5-x10)$
 $m51=(y10-y4)*(x4-x11)m52=(y9-y5)*(x8-x12)m53=(y6-y8)*(x0-x2)$
 $m54=(y12-y1)*(x7-x9)m55=(y11-y2)*(x6-x10)m56=(y10-y3)*(x5-x11)$
 $m57=(y9-y4)*(x4-x12)m58=(y6-y7)*(x1-x2)m59=(y5-y8)*(x0-x3)$
 $m60=(y12-y0)*(x8-x9)m61=(y11-y1)*(x7-x10)m62=(y10-y2)*(x6-x11)$
 $m63=(y9-y3)*(x5-x12)m64=(y5-y7)*(x1-x3)m65=(y4-y8)*(x0-x4)$
 $m66=(y11-y0)*(x8-x10)m67=(y10-y1)*(x7-x11)m68=(y9-y2)*(x6-x12)$
 $m69=(y5-y6)*(x2-x3)m70=(y4-y7)*(x1-x4)m71=(y3-y8)*(x0-x5)$
 $m72=(y11-y12)*(x9-x10)m73=(y10-y0)*(x8-x11)m74=(y9-y1)*(x7-x12)$
 $m75=(y4-y6)*(x2-x4)m76=(y3-y7)*(x1-x5)m77=(y2-y8)*(x0-x6)$

13-3

$m0=(x5-x0)*(y1-y6)m1=(x4-x1)*(y2-y5)m2=(x3-x2)*(y3-y4)$
 $m3=(x6-x12)*(y0-y7)m4=(x11-x7)*(y8-y12)m5=(x10-x8)*(y9-y11)$
 $m6=(y9-y10)*(x9-x10)m7=(y8-y11)*(x8-x11)m8=(y7-y12)*(x7-x12)$
 $m9=(y2-y4)*(x2-x4)m10=(y1-y5)*(x1-x5)m11=(y0-y6)*(x0-x6)$
 $m12=(y8-y10)*(x9-x11)m13=(y7-y11)*(x8-x12)m14=(y2-y3)*(x3-x4)$
 $m15=(y1-y4)*(x2-x5)m16=(y0-y5)*(x1-x6)m17=(y12-y6)*(x0-x7)$
 $m18=(y8-y9)*(x10-x11)m19=(y7-y10)*(x9-x12)m20=(y1-y3)*(x3-x5)$
 $m21=(y0-y4)*(x2-x6)m22=(y12-y5)*(x1-x7)m23=(y11-y6)*(x0-x8)$
 $m24=(y7-y9)*(x10-x12)m25=(y1-y2)*(x4-x5)m26=(y0-y3)*(x3-x6)$
 $m27=(y12-y4)*(x2-x7)m28=(y11-y5)*(x1-x8)m29=(y10-y6)*(x0-x9)$
 $m30=(y7-y8)*(x11-x12)m31=(y0-y2)*(x4-x6)m32=(y12-y3)*(x3-x7)$
 $m33=(y11-y4)*(x2-x8)m34=(y10-y5)*(x1-x9)m35=(y9-y6)*(x0-x10)$
 $m36=(y0-y1)*(x5-x6)m37=(y12-y2)*(x4-x7)m38=(y11-y3)*(x3-x8)$
 $m39=(y10-y4)*(x2-x9)m40=(y9-y5)*(x1-x10)m41=(y8-y6)*(x0-x11)$
 $m42=(y12-y1)*(x5-x7)m43=(y11-y2)*(x4-x8)m44=(y10-y3)*(x3-x9)$
 $m45=(y9-y4)*(x2-x10)m46=(y8-y5)*(x1-x11)m47=(y7-y6)*(x0-x12)$
 $m48=(y12-y0)*(x6-x7)m49=(y11-y1)*(x5-x8)m50=(y10-y2)*(x4-x9)$
 $m51=(y0-y3)*(x3-x10)m52=(y8-y4)*(x2-x11)m53=(y7-y5)*(x1-x12)$
 $m54=(y11-y0)*(x6-x8)m55=(y10-y1)*(x5-x9)m56=(y9-y2)*(x4-x10)$
 $m57=(y8-y3)*(x3-x11)m58=(y7-y4)*(x2-x12)m59=(y5-y6)*(x0-x1)$
 $m60=(y11-y12)*(x7-x8)m61=(y10-y0)*(x6-x9)m62=(y9-y1)*(x5-x10)$
 $m63=(y8-y2)*(x4-x11)m64=(y7-y3)*(x3-x12)m65=(y4-y6)*(x0-x2)$
 $m66=(y10-y12)*(x7-x9)m67=(y9-y0)*(x6-x10)m68=(y8-y1)*(x5-x11)$
 $m69=(y7-y2)*(x4-x12)m70=(y4-y5)*(x1-x2)m71=(y3-y6)*(x0-x3)$
 $m72=(y10-y11)*(x8-x9)m73=(y9-y12)*(x7-x10)m74=(y8-y0)*(x6-x11)$
 $m75=(y7-y1)*(x5-x12)m76=(y3-y5)*(x1-x3)m77=(y2-y6)*(x0-x4)$

13-4

$m0=(x3-x0)*(y1-y4)m1=(x2-x1)*(y2-y3)m2=(x4-x12)*(y0-y5)$
 $m3=(x11-x5)*(y6-y12)m4=(x10-x6)*(y7-y11)m5=(x9-x7)*(y8-y10)$
 $m6=(y8-y9)*(x8-x9)m7=(y7-y10)*(x7-x10)m8=(y6-y11)*(x6-x11)$
 $m9=(y5-y12)*(x5-x12)m10=(y1-y3)*(x1-x3)m11=(y0-y4)*(x0-x4)$
 $m12=(y7-y9)*(x8-x10)m13=(y6-y10)*(x7-x11)m14=(y5-y11)*(x6-x12)$
 $m15=(y1-y2)*(x2-x3)m16=(y0-y3)*(x1-x4)m17=(y12-y4)*(x0-x5)$
 $m18=(y7-y8)*(x9-x10)m19=(y6-y9)*(x8-x11)m20=(y5-y10)*(x7-x12)$
 $m21=(y0-y2)*(x2-x4)m22=(y12-y3)*(x1-x7)m23=(y11-y4)*(x0-x8)$
 $m24=(y6-y8)*(x9-x11)m25=(y5-y9)*(x8-x12)m26=(y0-y1)*(x3-x4)$
 $m27=(y12-y2)*(x2-x5)m28=(y11-y3)*(x1-x6)m29=(y10-y4)*(x0-x7)$
 $m30=(y6-y7)*(x10-x11)m31=(y5-y8)*(x9-x12)m32=(y12-y1)*(x3-x5)$
 $m33=(y11-y2)*(x2-x6)m34=(y10-y3)*(x1-x7)m35=(y9-y4)*(x0-x8)$
 $m36=(y5-y7)*(x10-x12)m37=(y12-y0)*(x4-x5)m38=(y11-y1)*(x3-x6)$
 $m39=(y10-y2)*(x2-x7)m40=(y9-y3)*(x1-x8)m41=(y8-y4)*(x0-x9)$

$m42=(y5-y6)*(x11-x12)m43=(y11-y0)*(x4-x6)m44=(y10-y1)*(x3-x7)$
 $m45=(y9-y2)*(x2-x8)m46=(y8-y3)*(x1-x9)m47=(y7-y4)*(x0-x10)$
 $m48=(y11-y12)*(x5-x6)m49=(y10-y0)*(x4-x7)m50=(y9-y1)*(x3-x8)$
 $m51=(y8-y2)*(x2-x9)m52=(y7-y3)*(x1-x10)m53=(y6-y4)*(x0-x11)$
 $m54=(y10-y12)*(x5-x7)m55=(y9-y0)*(x4-x8)m56=(y8-y1)*(x3-x9)$
 $m57=(y7-y2)*(x2-x10)m58=(y6-y3)*(x1-x11)m59=(y5-y4)*(x0-x12)$
 $m60=(y10-y11)*(x6-x7)m61=(y9-y12)*(x5-x8)m62=(y8-y0)*(x4-x9)$
 $m63=(y7-y1)*(x3-x10)m64=(y6-y2)*(x2-x11)m65=(y5-y3)*(x1-x12)$
 $m66=(y9-y11)*(x6-x8)m67=(y8-y12)*(x5-x9)m68=(y7-y0)*(x4-x10)$
 $m69=(y6-y1)*(x3-x11)m70=(y5-y2)*(x2-x12)m71=(y3-y4)*(x0-x1)$
 $m72=(y9-y10)*(x7-x8)m73=(y8-y11)*(x6-x9)m74=(y7-y12)*(x5-x10)$
 $m75=(y6-y0)*(x4-x11)m76=(y5-y1)*(x3-x12)m77=(y2-y4)*(x0-x2)$

13-5

$m0=(x1-x0)*(y1-y2)m1=(x2-x12)*(y0-y3)m2=(x11-x3)*(y4-y12)$
 $m3=(x10-x4)*(y5-y11)m4=(x9-x5)*(y6-y10)m5=(x8-x6)*(y7-y9)$
 $m6=(y7-y8)*(x7-x8)m7=(y6-y9)*(x6-x9)m8=(y5-y10)*(x5-x10)$
 $m9=(y4-y11)*(x4-x11)m10=(y3-y12)*(x3-x12)m11=(y0-y2)*(x0-x2)$
 $m12=(y6-y8)*(x7-x9)m13=(y5-y9)*(x6-x10)m14=(y4-y10)*(x5-x11)$
 $m15=(y3-y11)*(x4-x12)m16=(y0-y1)*(x1-x2)m17=(y12-y2)*(x0-x3)$
 $m18=(y6-y7)*(x8-x9)m19=(y5-y8)*(x7-x10)m20=(y4-y9)*(x6-x11)$
 $m21=(y3-y10)*(x5-x12)m22=(y12-y1)*(x1-x3)m23=(y11-y2)*(x0-x4)$
 $m24=(y5-y7)*(x8-x10)m25=(y4-y8)*(x7-x11)m26=(y3-y9)*(x6-x12)$
 $m27=(y12-y0)*(x2-x3)m28=(y11-y1)*(x1-x4)m29=(y10-y2)*(x0-x5)$
 $m30=(y5-y6)*(x9-x10)m31=(y4-y7)*(x8-x11)m32=(y3-y8)*(x7-x12)$
 $m33=(y11-y0)*(x2-x4)m34=(y10-y1)*(x1-x5)m35=(y9-y2)*(x0-x6)$
 $m36=(y4-y6)*(x9-x11)m37=(y3-y7)*(x8-x12)m38=(y11-y12)*(x3-x4)$
 $m39=(y10-y0)*(x2-x5)m40=(y9-y1)*(x1-x6)m41=(y8-y2)*(x0-x7)$
 $m42=(y4-y5)*(x10-x11)m43=(y3-y6)*(x9-x12)m44=(y10-y12)*(x3-x5)$
 $m45=(y9-y0)*(x2-x6)m46=(y8-y1)*(x1-x7)m47=(y7-y2)*(x0-x8)$
 $m48=(y3-y5)*(x10-x12)m49=(y10-y11)*(x4-x5)m50=(y9-y12)*(x3-x6)$
 $m51=(y8-y0)*(x2-x7)m52=(y7-y1)*(x1-x8)m53=(y6-y2)*(x0-x9)$
 $m54=(y3-y4)*(x11-x12)m55=(y9-y11)*(x4-x6)m56=(y8-y12)*(x3-x7)$
 $m57=(y7-y0)*(x2-x8)m58=(y6-y1)*(x1-x9)m59=(y5-y2)*(x0-x10)$
 $m60=(y9-y10)*(x5-x6)m61=(y8-y11)*(x4-x7)m62=(y7-y12)*(x3-x8)$
 $m63=(y6-y0)*(x2-x9)m64=(y5-y1)*(x1-x10)m65=(y4-y2)*(x0-x11)$
 $m66=(y8-y10)*(x5-x7)m67=(y7-y11)*(x4-x8)m68=(y6-y12)*(x3-x9)$
 $m69=(y5-y0)*(x2-x10)m70=(y4-y1)*(x1-x11)m71=(y3-y2)*(x0-x12)$
 $m72=(y8-y9)*(x6-x7)m73=(y7-y10)*(x5-x8)m74=(y6-y11)*(x4-x9)$
 $m75=(y5-y12)*(x3-x10)m76=(y4-y0)*(x2-x11)m77=(y3-y1)*(x1-x12)$

13-6

$m0=(x0-x12)*(y0-y1)m1=(x11-x1)*(y2-y12)m2=(x10-x2)*(y3-y11)$
 $m3=(x9-x3)*(y4-y10)m4=(x8-x4)*(y5-y9)m5=(x7-x5)*(y6-y8)$
 $m6=(y6-y7)*(x6-x7)m7=(y5-y8)*(x5-x8)m8=(y4-y9)*(x4-x9)$
 $m9=(y3-y10)*(x3-x10)m10=(y2-y11)*(x2-x11)m11=(y1-y12)*(x1-x12)$
 $m12=(y5-y7)*(x6-x8)m13=(y4-y8)*(x5-x9)m14=(y3-y9)*(x4-x10)$
 $m15=(y2-y10)*(x3-x11)m16=(y1-y11)*(x2-x12)m17=(y12-y0)*(x0-x1)$
 $m18=(y5-y6)*(x7-x8)m19=(y4-y7)*(x6-x9)m20=(y3-y8)*(x5-x10)$
 $m21=(y2-y9)*(x4-x11)m22=(y1-y10)*(x3-x12)m23=(y11-y0)*(x0-x2)$
 $m24=(y4-y6)*(x7-x9)m25=(y3-y7)*(x6-x10)m26=(y2-y8)*(x5-x11)$
 $m27=(y1-y9)*(x4-x12)m28=(y11-y12)*(x1-x2)m29=(y10-y0)*(x0-x3)$
 $m30=(y4-y5)*(x8-x9)m31=(y3-y6)*(x7-x10)m32=(y2-y7)*(x6-x11)$
 $m33=(y1-y8)*(x5-x12)m34=(y10-y12)*(x1-x3)m35=(y9-y0)*(x0-x4)$
 $m36=(y3-y5)*(x8-x10)m37=(y2-y6)*(x7-x11)m38=(y1-y7)*(x6-x12)$
 $m39=(y10-y11)*(x2-x3)m40=(y9-y12)*(x1-x4)m41=(y8-y0)*(x0-x5)$
 $m42=(y3-y4)*(x9-x10)m43=(y2-y5)*(x8-x11)m44=(y1-y6)*(x7-x12)$
 $m45=(y9-y11)*(x2-x4)m46=(y8-y12)*(x1-x5)m47=(y7-y0)*(x0-x6)$
 $m48=(y2-y4)*(x9-x11)m49=(y1-y5)*(x8-x12)m50=(y9-y10)*(x3-x4)$
 $m51=(y8-y11)*(x2-x5)m52=(y7-y12)*(x1-x6)m53=(y6-y0)*(x0-x7)$
 $m54=(y2-y3)*(x10-x11)m55=(y1-y4)*(x9-x12)m56=(y8-y10)*(x3-x5)$
 $m57=(y7-y11)*(x2-x6)m58=(y6-y12)*(x1-x7)m59=(y5-y0)*(x0-x8)$
 $m60=(y1-y3)*(x10-x12)m61=(y8-y9)*(x4-x5)m62=(y7-y10)*(x3-x6)$
 $m63=(y6-y11)*(x2-x7)m64=(y5-y12)*(x1-x8)m65=(y4-y0)*(x0-x9)$
 $m66=(y1-y2)*(x11-x12)m67=(y7-y9)*(x4-x6)m68=(y6-y10)*(x3-x7)$
 $m69=(y5-y11)*(x2-x8)m70=(y4-y12)*(x1-x9)m71=(y3-y0)*(x0-x10)$
 $m72=(y7-y8)*(x5-x6)m73=(y6-y9)*(x4-x7)m74=(y5-y10)*(x3-x8)$
 $m75=(y4-y11)*(x2-x9)m76=(y3-y12)*(x1-x10)m77=(y2-y0)*(x0-x11)$

13-7

$m0=(x11-x0)*(y1-y12)m1=(x10-x1)*(y2-y11)m2=(x9-x2)*(y3-y10)$
 $m3=(x8-x3)*(y4-y9)m4=(x7-x4)*(y5-y8)m5=(x6-x5)*(y6-y7)$
 $m6=(y5-y7)*(x5-x7)m7=(y4-y8)*(x4-x8)m8=(y3-y9)*(x3-x9)$
 $m9=(y2-y10)*(x2-x10)m10=(y1-y11)*(x1-x11)m11=(y0-y12)*(x0-x12)$

$m12=(y5-y6)*(x6-x7)m13=(y4-y7)*(x5-x8)m14=(y3-y8)*(x4-x9)$
 $m15=(y2-y9)*(x3-x10)m16=(y1-y10)*(x2-x11)m17=(y0-y11)*(x1-x12)$
 $m18=(y4-y6)*(x6-x8)m19=(y3-y7)*(x5-x9)m20=(y2-y8)*(x4-x10)$
 $m21=(y1-y9)*(x3-x11)m22=(y0-y10)*(x2-x12)m23=(y11-y12)*(x0-x1)$
 $m24=(y4-y5)*(x7-x8)m25=(y3-y6)*(x6-x9)m26=(y1-y7)*(x5-x10)$
 $m27=(y1-y8)*(x4-x11)m28=(y0-y9)*(x3-x12)m29=(y10-y12)*(x0-x2)$
 $m30=(y3-y5)*(x7-x9)m31=(y2-y6)*(x6-x10)m32=(y1-y7)*(x5-x11)$
 $m33=(y0-y8)*(x4-x12)m34=(y10-y11)*(x1-x2)m35=(y9-y12)*(x0-x3)$
 $m36=(y3-y4)*(x8-x9)m37=(y2-y5)*(x7-x10)m38=(y1-y6)*(x6-x11)$
 $m39=(y0-y7)*(x5-x12)m40=(y9-y11)*(x1-x3)m41=(y8-y12)*(x0-x4)$
 $m42=(y2-y4)*(x8-x10)m43=(y1-y5)*(x7-x11)m44=(y0-y6)*(x6-x12)$
 $m45=(y9-y10)*(x2-x3)m46=(y8-y11)*(x1-x4)m47=(y7-y12)*(x0-x5)$
 $m48=(y2-y3)*(x9-x10)m49=(y1-y4)*(x8-x11)m50=(y0-y5)*(x7-x12)$
 $m51=(y8-y10)*(x2-x4)m52=(y7-y11)*(x1-x5)m53=(y6-y12)*(x0-x6)$
 $m54=(y1-y3)*(x9-x11)m55=(y0-y4)*(x8-x12)m56=(y8-y9)*(x3-x4)$
 $m57=(y7-y10)*(x2-x5)m58=(y6-y11)*(x1-x6)m59=(y5-y12)*(x0-x7)$
 $m60=(y1-y2)*(x10-x11)m61=(y0-y3)*(x9-x12)m62=(y7-y9)*(x3-x5)$
 $m63=(y6-y10)*(x2-x6)m64=(y5-y11)*(x1-x7)m65=(y4-y12)*(x0-x8)$
 $m66=(y0-y2)*(x10-x12)m67=(y7-y8)*(x4-x5)m68=(y6-y9)*(x3-x6)$
 $m69=(y5-y10)*(x2-x7)m70=(y4-y11)*(x1-x8)m71=(y3-y12)*(x0-x9)$
 $m72=(y0-y1)*(x11-x12)m73=(y6-y8)*(x4-x6)m74=(y5-y9)*(x3-x7)$
 $m75=(y4-y10)*(x2-x8)m76=(y3-y11)*(x1-x9)m77=(y2-y12)*(x0-x10)$

13-8

$m0=(x10-x0)*(y1-y11)m1=(x9-x1)*(y2-y10),m2=(x8-x2)*(y3-y9)$
 $m3=(x7-x3)*(y4-y8)m4=(x6-x4)*(y5-y7)m5=(x11-x12)*(y0-y12)$
 $m6=(y5-y6)*(x5-x6)m7=(y4-y7)*(x4-x7)m8=(y3-y8)*(x3-x8)$
 $m9=(y2-y9)*(x2-x9)m10=(y1-y10)*(x1-x10)m11=(y0-y11)*(x0-x11)$
 $m12=(y4-y6)*(x5-x7)m13=(y3-y7)*(x4-x8)m14=(y2-y8)*(x3-x9)$
 $m15=(y1-y9)*(x2-x10)m16=(y0-y10)*(x1-x11)m17=(y12-y11)*(x0-x12)$
 $m18=(y4-y5)*(x6-x7)m19=(y3-y6)*(x5-x8)m20=(y2-y7)*(x4-x9)$
 $m21=(y1-y8)*(x3-x10)m22=(y0-y9)*(x2-x11)m23=(y12-y10)*(x1-x12)$
 $m24=(y3-y5)*(x6-x8)m25=(y2-y6)*(x5-x9)m26=(y1-y7)*(x4-x10)$
 $m27=(y0-y8)*(x3-x11)m28=(y12-y9)*(x2-x12)m29=(y10-y11)*(x0-x1)$
 $m30=(y3-y4)*(x7-x8)m31=(y2-y5)*(x6-x9)m32=(y1-y6)*(x5-x10)$
 $m33=(y0-y7)*(x4-x11)m34=(y12-y8)*(x3-x12)m35=(y9-y11)*(x0-x2)$
 $m36=(y2-y4)*(x7-x9)m37=(y1-y5)*(x6-x10)m38=(y0-y6)*(x5-x11)$
 $m39=(y12-y7)*(x4-x12)m40=(y9-y10)*(x1-x2)m41=(y8-y11)*(x0-x3)$
 $m42=(y2-y3)*(x8-x9)m43=(y1-y4)*(x7-x10)m44=(y0-y5)*(x6-x11)$
 $m45=(y12-y6)*(x5-x12)m46=(y8-y10)*(x1-x3)m47=(y7-y11)*(x0-x4)$
 $m48=(y1-y3)*(x8-x10)m49=(y0-y4)*(x7-x11)m50=(y12-y5)*(x6-x12)$
 $m51=(y8-y9)*(x2-x3)m52=(y7-y10)*(x1-x4)m53=(y6-y11)*(x0-x5)$
 $m54=(y1-y2)*(x9-x10)m55=(y0-y3)*(x8-x11)m56=(y12-y4)*(x7-x12)$
 $m57=(y7-y9)*(x2-x4)m58=(y6-y10)*(x1-x5)m59=(y5-y11)*(x0-x6)$
 $m60=(y0-y2)*(x9-x11)m61=(y12-y3)*(x8-x12)m62=(y7-y8)*(x3-x4)$
 $m63=(y6-y9)*(x2-x5)m64=(y5-y10)*(x1-x6)m65=(y4-y11)*(x0-x7)$
 $m66=(y0-y1)*(x10-x11)m67=(y12-y2)*(x9-x12)m68=(y6-y8)*(x3-x5)$
 $m69=(y5-y9)*(x2-x6)m70=(y4-y10)*(x1-x7)m71=(y3-y11)*(x0-x8)$
 $m72=(y12-y1)*(x10-x12)m73=(y6-y7)*(x4-x5)m74=(y5-y8)*(x3-x6)$
 $m75=(y4-y9)*(x2-x7)m76=(y3-y10)*(x1-x8)m77=(y2-y11)*(x0-x9)$

13-9

$m0=(x8-x0)*(y1-y9)m1=(x7-x1)*(y2-y8),m2=(x6-x2)*(y3-y7)$
 $m3=(x5-x3)*(y4-y6)m4=(x9-x12)*(y0-y10)m5=(x11-x10)*(y11-y12)$
 $m6=(y10-y12)*(x10-x12)m7=(y4-y5)*(x4-x5)m8=(y3-y6)*(x3-x6)$
 $m9=(y2-y7)*(x2-x7)m10=(y1-y8)*(x1-x8)m11=(y0-y9)*(x0-x9)$
 $m12=(y10-y11)*(x11-x12)m13=(y3-y5)*(x4-x6)m14=(y2-y6)*(x3-x7)$
 $m15=(y1-y7)*(x2-x8)m16=(y0-y8)*(x1-x9)m17=(y12-y9)*(x0-x10)$
 $m18=(y3-y4)*(x5-x6)m19=(y2-y5)*(x4-x7)m20=(y1-y6)*(x3-x8)$
 $m21=(y0-y7)*(x2-x9)m22=(y12-y8)*(x1-x10)m23=(y11-y9)*(x0-x11)$
 $m24=(y2-y4)*(x5-x7)m25=(y1-y5)*(x4-x8)m26=(y0-y6)*(x3-x9)$
 $m27=(y12-y7)*(x2-x10)m28=(y11-y8)*(x1-x11)m29=(y10-y9)*(x0-x12)$
 $m30=(y2-y3)*(x6-x7)m31=(y1-y4)*(x5-x8)m32=(y0-y5)*(x4-x9)$
 $m33=(y12-y6)*(x3-x10)m34=(y11-y7)*(x2-x11)m35=(y10-y8)*(x1-x12)$
 $m36=(y1-y3)*(x6-x8)m37=(y0-y4)*(x5-x9)m38=(y12-y5)*(x4-x10)$
 $m39=(y11-y6)*(x3-x11)m40=(y10-y7)*(x2-x12)m41=(y8-y9)*(x0-x1)$
 $m42=(y1-y2)*(x7-x8)m43=(y0-y3)*(x6-x9)m44=(y12-y4)*(x5-x10)$
 $m45=(y11-y5)*(x4-x11)m46=(y10-y6)*(x3-x12)m47=(y7-y9)*(x0-x2)$
 $m48=(y0-y2)*(x7-x9)m49=(y12-y3)*(x6-x10)m50=(y11-y4)*(x5-x11)$
 $m51=(y10-y5)*(x4-x12)m52=(y7-y8)*(x1-x2)m53=(y6-y9)*(x0-x3)$
 $m54=(y0-y1)*(x8-x9)m55=(y12-y2)*(x7-x10)m56=(y11-y3)*(x6-x11)$
 $m57=(y10-y4)*(x5-x12)m58=(y6-y8)*(x1-x3)m59=(y5-y9)*(x0-x4)$

$m60=(y12-y1)*(x8-x10)m61=(y11-y2)*(x7-x11)m62=(y10-y3)*(x6-x12)$
 $m63=(y6-y7)*(x2-x3)m64=(y5-y8)*(x1-x4)m65=(y4-y9)*(x0-x5)$
 $m66=(y12-y0)*(x9-x10)m67=(y11-y1)*(x8-x11)m68=(y10-y2)*(x7-x12)$
 $m69=(y5-y7)*(x2-x4)m70=(y4-y8)*(x1-x5)m71=(y3-y9)*(x0-x6)$
 $m72=(y11-y0)*(x9-x11)m73=(y10-y1)*(x8-x12)m74=(y5-y9)*(x3-x4)$
 $m75=(y4-y7)*(x2-x5)m76=(y3-y8)*(x1-x6)m77=(y2-y9)*(x0-x7)$

13-10

$m0=(x6-x0)*(y1-y7)m1=(x5-x1)*(y2-y6)m2=(x4-x2)*(y3-y5)$
 $m3=(x7-x12)*(y0-y8)m4=(x11-x8)*(y9-y12)m5=(x10-x9)*(y10-y11)$
 $m6=(y9-y11)*(x9-x11)m7=(y8-y12)*(x8-x12)m8=(y3-y4)*(x3-x4)$
 $m9=(y2-y5)*(x2-x5)m10=(y1-y6)*(x1-x6)m11=(y0-y7)*(x0-x7)$
 $m12=(y9-y10)*(x10-x11)m13=(y8-y11)*(x9-x12)m14=(y2-y4)*(x3-x5)$
 $m15=(y1-y5)*(x2-x6)m16=(y0-y6)*(x1-x7)m17=(y12-y7)*(x0-x8)$
 $m18=(y8-y10)*(x10-x12)m19=(y2-y3)*(x4-x5)m20=(y1-y4)*(x3-x6)$
 $m21=(y0-y5)*(x2-x7)m22=(y12-y6)*(x1-x8)m23=(y11-y7)*(x0-x9)$
 $m24=(y8-y9)*(x11-x12)m25=(y1-y3)*(x4-x6)m26=(y0-y4)*(x3-x7)$
 $m27=(y12-y5)*(x2-x8)m28=(y11-y6)*(x1-x9)m29=(y10-y7)*(x0-x10)$
 $m30=(y1-y2)*(x5-x6)m31=(y0-y3)*(x4-x7)m32=(y12-y4)*(x3-x8)$
 $m33=(y11-y5)*(x2-x9)m34=(y10-y6)*(x1-x10)m35=(y9-y7)*(x0-x11)$
 $m36=(y0-y2)*(x5-x7)m37=(y12-y3)*(x4-x8)m38=(y11-y4)*(x3-x9)$
 $m39=(y10-y5)*(x2-x10)m40=(y9-y6)*(x1-x11)m41=(y8-y7)*(x0-x12)$
 $m42=(y0-y1)*(x6-x7)m43=(y12-y2)*(x5-x8)m44=(y11-y3)*(x4-x9)$
 $m45=(y10-y4)*(x3-x10)m46=(y9-y5)*(x2-x11)m47=(y8-y6)*(x1-x12)$
 $m48=(y12-y1)*(x6-x8)m49=(y11-y2)*(x5-x9)m50=(y10-y3)*(x4-x10)$
 $m51=(y9-y4)*(x3-x11)m52=(y8-y5)*(x2-x12)m53=(y6-y7)*(x0-x1)$
 $m54=(y12-y0)*(x7-x8)m55=(y11-y1)*(x6-x9)m56=(y10-y2)*(x5-x10)$
 $m57=(y9-y3)*(x4-x11)m58=(y8-y4)*(x3-x12)m59=(y5-y7)*(x0-x2)$
 $m60=(y11-y0)*(x7-x9)m61=(y10-y1)*(x6-x10)m62=(y9-y2)*(x5-x11)$
 $m63=(y8-y3)*(x4-x12)m64=(y5-y6)*(x1-x2)m65=(y4-y7)*(x0-x3)$
 $m66=(y11-y12)*(x8-x9)m67=(y10-y0)*(x7-x10)m68=(y9-y1)*(x6-x11)$
 $m69=(y8-y2)*(x5-x12)m70=(y4-y6)*(x1-x3)m71=(y3-y7)*(x0-x4)$
 $m72=(y10-y12)*(x8-x10)m73=(y9-y0)*(x7-x11)m74=(y8-y1)*(x6-x12)$
 $m75=(y4-y5)*(x2-x3)m76=(y3-y6)*(x1-x4)m77=(y2-y7)*(x0-x5)$

13-11

$m0=(x4-x0)*(y1-y5)m1=(x3-x1)*(y2-y4)m2=(x5-x12)*(y0-y6)$
 $m3=(x11-x6)*(y7-y12)m4=(x10-x7)*(y8-y11)m5=(x9-x8)*(y9-y10)$
 $m6=(y8-y10)*(x8-x10)m7=(y7-y11)*(x7-x11)m8=(y6-y12)*(x6-x12)$
 $m9=(y2-y3)*(x2-x3)m10=(y1-y4)*(x1-x4)m11=(y0-y5)*(x0-x5)$
 $m12=(y8-y9)*(x9-x10)m13=(y7-y10)*(x8-x11)m14=(y6-y11)*(x7-x12)$
 $m15=(y1-y3)*(x2-x4)m16=(y0-y4)*(x1-x5)m17=(y12-y5)*(x0-x6)$
 $m18=(y7-y9)*(x9-x11)m19=(y6-y10)*(x8-x12)m20=(y1-y2)*(x3-x4)$
 $m21=(y0-y3)*(x2-x5)m22=(y12-y4)*(x1-x6)m23=(y11-y5)*(x0-x7)$
 $m24=(y7-y8)*(x10-x11)m25=(y6-y9)*(x9-x12)m26=(y0-y2)*(x3-x5)$
 $m27=(y12-y3)*(x2-x6)m28=(y11-y4)*(x1-x7)m29=(y10-y5)*(x0-x8)$
 $m30=(y6-y8)*(x10-x12)m31=(y0-y1)*(x4-x5)m32=(y12-y2)*(x3-x6)$
 $m33=(y11-y3)*(x2-x7)m34=(y10-y4)*(x1-x8)m35=(y9-y5)*(x0-x9)$
 $m36=(y6-y7)*(x11-x12)m37=(y12-y1)*(x4-x6)m38=(y11-y2)*(x3-x7)$
 $m39=(y10-y3)*(x2-x8)m40=(y9-y4)*(x1-x9)m41=(y8-y5)*(x0-x10)$
 $m42=(y12-y0)*(x5-x6)m43=(y11-y1)*(x4-x7)m44=(y10-y2)*(x3-x8)$
 $m45=(y9-y3)*(x2-x9)m46=(y8-y4)*(x1-x10)m47=(y7-y5)*(x0-x11)$
 $m48=(y11-y0)*(x5-x7)m49=(y10-y1)*(x4-x8)m50=(y9-y2)*(x3-x9)$
 $m51=(y8-y3)*(x2-x10)m52=(y7-y4)*(x1-x11)m53=(y6-y5)*(x0-x12)$
 $m54=(y11-y12)*(x6-x7)m55=(y10-y0)*(x5-x8)m56=(y9-y1)*(x4-x9)$
 $m57=(y8-y2)*(x3-x10)m58=(y7-y3)*(x2-x11)m59=(y6-y4)*(x1-x12)$
 $m60=(y10-y12)*(x6-x8)m61=(y9-y0)*(x5-x9)m62=(y8-y1)*(x4-x10)$
 $m63=(y7-y2)*(x3-x11)m64=(y6-y3)*(x2-x12)m65=(y4-y5)*(x0-x1)$
 $m66=(y10-y11)*(x7-x8)m67=(y9-y12)*(x6-x9)m68=(y8-y0)*(x5-x10)$
 $m69=(y7-y1)*(x4-x11)m70=(y6-y2)*(x3-x12)m71=(y3-y5)*(x0-x2)$
 $m72=(y9-y11)*(x7-x9)m73=(y8-y12)*(x6-x10)m74=(y7-y0)*(x5-x11)$
 $m75=(y6-y1)*(x4-x12)m76=(y3-y4)*(x1-x2)m77=(y2-y5)*(x0-x3)$

13-12

$m0=(x2-x0)*(y1-y3)m1=(x3-x12)*(y0-y4)m2=(x11-x4)*(y5-y12)$
 $m3=(x10-x5)*(y6-y11)m4=(x9-x6)*(y7-y10)m5=(x8-x7)*(y8-y9)$
 $m6=(y7-y9)*(x7-x9)m7=(y6-y10)*(x6-x10)m8=(y5-y11)*(x5-x11)$
 $m9=(y4-y12)*(x4-x12)m10=(y1-y2)*(x1-x2)m11=(y0-y3)*(x0-x3)$
 $m12=(y7-y8)*(x8-x9)m13=(y6-y9)*(x7-x10)m14=(y5-y10)*(x6-x11)$
 $m15=(y4-y11)*(x5-x12)m16=(y0-y2)*(x1-x3)m17=(y12-y3)*(x0-x4)$
 $m18=(y6-y8)*(x8-x10)m19=(y5-y9)*(x7-x11)m20=(y4-y10)*(x6-x12)$

$m21=(y0-y1)*(x2-x3)m22=(y12-y2)*(x1-x4)m23=(y11-y3)*(x0-x5)$
 $m24=(y6-y7)*(x9-x10)m25=(y5-y8)*(x8-x11)m26=(y4-y9)*(x7-x12)$
 $m27=(y12-y1)*(x2-x4)m28=(y11-y2)*(x1-x5)m29=(y10-y3)*(x0-x6)$
 $m30=(y5-y7)*(x9-x11)m31=(y4-y8)*(x8-x12)m32=(y12-y0)*(x3-x4)$
 $m33=(y11-y1)*(x2-x5)m34=(y10-y2)*(x1-x6)m35=(y9-y3)*(x0-x7)$
 $m36=(y5-y6)*(x10-x11)m37=(y4-y7)*(x9-x12)m38=(y11-y0)*(x3-x5)$
 $m39=(y10-y1)*(x2-x6)m40=(y9-y2)*(x1-x7)m41=(y8-y3)*(x0-x8)$
 $m42=(y4-y6)*(x10-x12)m43=(y11-y12)*(x4-x5)m44=(y10-y0)*(x3-x6)$
 $m45=(y9-y1)*(x2-x7)m46=(y8-y2)*(x1-x8)m47=(y7-y3)*(x0-x9)$
 $m48=(y4-y5)*(x11-x12)m49=(y10-y12)*(x4-x6)m50=(y9-y0)*(x3-x7)$
 $m51=(y8-y1)*(x2-x8)m52=(y7-y2)*(x1-x9)m53=(y6-y3)*(x0-x10)$
 $m54=(y10-y11)*(x5-x6)m55=(y9-y12)*(x4-x7)m56=(y8-y0)*(x3-x8)$
 $m57=(y7-y1)*(x2-x9)m58=(y6-y2)*(x1-x10)m59=(y5-y3)*(x0-x11)$
 $m60=(y9-y11)*(x5-x7)m61=(y8-y12)*(x4-x8)m62=(y7-y0)*(x3-x9)$
 $m63=(y6-y1)*(x2-x10)m64=(y5-y2)*(x1-x11)m65=(y4-y3)*(x0-x12)$
 $m66=(y9-y10)*(x6-x7)m67=(y8-y11)*(x5-x8)m68=(y7-y12)*(x4-x9)$
 $m69=(y6-y0)*(x3-x10)m70=(y5-y1)*(x2-x11)m71=(y4-y2)*(x1-x12)$
 $m72=(y8-y10)*(x6-x8)m73=(y7-y11)*(x5-x9)m74=(y6-y12)*(x4-x10)$
 $m75=(y5-y0)*(x3-x11)m76=(y4-y1)*(x2-x12)m77=(y2-y3)*(x0-x1)$

13-13

$m0=(x1-x12)*(y0-y2)m1=(x11-x2)*(y3-y12)m2=(x10-x3)*(y4-y11)$
 $m3=(x9-x4)*(y5-y10)m4=(x8-x5)*(y6-y9)m5=(x7-x6)*(y7-y8)$
 $m6=(y6-y8)*(x6-x8)m7=(y5-y9)*(x5-x9)m8=(y4-y10)*(x4-x10)$
 $m9=(y3-y11)*(x3-x11)m10=(y2-y12)*(x2-x12)m11=(y0-y1)*(x0-x1)$
 $m12=(y6-y7)*(x7-x8)m13=(y5-y8)*(x6-x9)m14=(y4-y9)*(x5-x10)$
 $m15=(y3-y10)*(x4-x11)m16=(y2-y11)*(x3-x12)m17=(y12-y1)*(x0-x2)$
 $m18=(y5-y7)*(x7-x9)m19=(y4-y8)*(x6-x10)m20=(y3-y9)*(x5-x11)$
 $m21=(y2-y10)*(x4-x12)m22=(y12-y0)*(x1-x2)m23=(y11-y1)*(x0-x3)$
 $m24=(y5-y6)*(x8-x9)m25=(y4-y7)*(x7-x10)m26=(y3-y8)*(x6-x11)$
 $m27=(y2-y9)*(x5-x12)m28=(y11-y0)*(x1-x3)m29=(y10-y1)*(x0-x4)$
 $m30=(y4-y6)*(x8-x10)m31=(y3-y7)*(x7-x11)m32=(y2-y8)*(x6-x12)$
 $m33=(y11-y12)*(x2-x3)m34=(y10-y0)*(x1-x4)m35=(y9-y1)*(x0-x5)$
 $m36=(y4-y5)*(x9-x10)m37=(y3-y6)*(x8-x11)m38=(y2-y7)*(x7-x12)$
 $m39=(y10-y12)*(x2-x4)m40=(y9-y0)*(x1-x5)m41=(y8-y1)*(x0-x6)$
 $m42=(y3-y5)*(x9-x11)m43=(y2-y6)*(x8-x12)m44=(y10-y11)*(x3-x4)$
 $m45=(y9-y12)*(x2-x5)m46=(y8-y0)*(x1-x6)m47=(y7-y1)*(x0-x7)$
 $m48=(y3-y4)*(x10-x11)m49=(y2-y5)*(x9-x12)m50=(y9-y11)*(x3-x5)$
 $m51=(y8-y12)*(x2-x6)m52=(y7-y0)*(x1-x7)m53=(y6-y1)*(x0-x8)$
 $m54=(y2-y4)*(x10-x12)m55=(y9-y10)*(x4-x5)m56=(y8-y11)*(x3-x6)$
 $m57=(y7-y12)*(x2-x7)m58=(y6-y0)*(x1-x8)m59=(y5-y1)*(x0-x9)$
 $m60=(y2-y3)*(x11-x12)m61=(y8-y10)*(x4-x6)m62=(y7-y11)*(x3-x7)$
 $m63=(y6-y12)*(x2-x8)m64=(y5-y0)*(x1-x9)m65=(y4-y1)*(x0-x10)$
 $m66=(y8-y9)*(x5-x6)m67=(y7-y10)*(x4-x7)m68=(y6-y11)*(x3-x8)$
 $m69=(y5-y12)*(x2-x9)m70=(y4-y0)*(x1-x10)m71=(y3-y1)*(x0-x11)$
 $m72=(y7-y9)*(x5-x7)m73=(y6-y10)*(x4-x8)m74=(y5-y11)*(x3-x9)$
 $m75=(y4-y12)*(x2-x10)m76=(y3-y0)*(x1-x11)m77=(y2-y1)*(x0-x12)$