

$$\begin{aligned}
P^{II}_{\{8, 1\}} = & 16x^8 + 2^{4-4m}x^8 - 2^{7-4m}x^7y + 2^{7-3m}x^7y + 7 \times 2^{6-4m}x^6y^2 - 7 \times 2^{7-3m}x^6y^2 + \\
& 7 \times 2^{6-2m}x^6y^2 - 7 \times 2^{7-4m}x^5y^3 + 21 \times 2^{7-3m}x^5y^3 - 21 \times 2^{7-2m}x^5y^3 + 7 \times 2^{7-m}x^5y^3 + 1120x^4y^4 + \\
& 35 \times 2^{5-4m}x^4y^4 - 35 \times 2^{7-3m}x^4y^4 + 105 \times 2^{6-2m}x^4y^4 - 35 \times 2^{7-m}x^4y^4 - 4480x^3y^5 - 7 \times 2^{7-4m}x^3y^5 + \\
& 35 \times 2^{7-3m}x^3y^5 - 35 \times 2^{8-2m}x^3y^5 + 35 \times 2^{8-m}x^3y^5 + 7 \times 2^{7+m}x^3y^5 + 6720x^2y^6 + 7 \times 2^{6-4m}x^2y^6 - \\
& 21 \times 2^{7-3m}x^2y^6 + 105 \times 2^{6-2m}x^2y^6 - 35 \times 2^{8-m}x^2y^6 - 21 \times 2^{7+m}x^2y^6 + 7 \times 2^{6+2m}x^2y^6 - 4480xy^7 - \\
& 2^{7-4m}xy^7 + 7 \times 2^{7-3m}xy^7 - 21 \times 2^{7-2m}xy^7 + 35 \times 2^{7-m}xy^7 + 21 \times 2^{7+m}xy^7 - 7 \times 2^{7+2m}xy^7 + 2^{7+3m}xy^7 + \\
& 1120y^8 + 2^{4-4m}y^8 - 2^{7-3m}y^8 + 7 \times 2^{6-2m}y^8 - 7 \times 2^{7-m}y^8 - 7 \times 2^{7+m}y^8 + 7 \times 2^{6+2m}y^8 - 2^{7+3m}y^8 + 2^{4+4m}y^8
\end{aligned}$$

$$\begin{aligned}
P^{II}_{\{8, 2\}} = & 2^{4-4m}x^8 + 16x^7y - 2^{7-4m}x^7y + 7 \times 2^{4-3m}x^7y + 7 \times 2^{6-4m}x^6y^2 - 21 \times 2^{4-3m}x^6y^2 - \\
& 7 \times 2^{6-3m}x^6y^2 + 21 \times 2^{4-2m}x^6y^2 - 7 \times 2^{7-4m}x^5y^3 + 63 \times 2^{4-3m}x^5y^3 + 21 \times 2^{6-3m}x^5y^3 - \\
& 63 \times 2^{5-2m}x^5y^3 + 35 \times 2^{4-m}x^5y^3 + 560x^4y^4 + 35 \times 2^{5-4m}x^4y^4 - 35 \times 2^{4-3m}x^4y^4 - 35 \times 2^{5-3m}x^4y^4 - \\
& 35 \times 2^{6-3m}x^4y^4 + 105 \times 2^{4-2m}x^4y^4 + 105 \times 2^{5-2m}x^4y^4 - 35 \times 2^{4-m}x^4y^4 - 35 \times 2^{6-m}x^4y^4 - 2240x^3y^5 - \\
& 7 \times 2^{7-4m}x^3y^5 + 105 \times 2^{4-3m}x^3y^5 + 35 \times 2^{6-3m}x^3y^5 - 105 \times 2^{6-2m}x^3y^5 + 35 \times 2^{5-m}x^3y^5 + \\
& 35 \times 2^{7-m}x^3y^5 + 21 \times 2^{4+m}x^3y^5 + 3360x^2y^6 + 7 \times 2^{6-4m}x^2y^6 - 63 \times 2^{4-3m}x^2y^6 - 21 \times 2^{6-3m}x^2y^6 + \\
& 105 \times 2^{4-2m}x^2y^6 + 105 \times 2^{5-2m}x^2y^6 - 35 \times 2^{5-m}x^2y^6 - 35 \times 2^{7-m}x^2y^6 - 21 \times 2^{4+m}x^2y^6 - 21 \times 2^{5+m}x^2y^6 + \\
& 7 \times 2^{4+2m}x^2y^6 - 2240xy^7 - 2^{7-4m}xy^7 + 21 \times 2^{4-3m}xy^7 + 7 \times 2^{6-3m}xy^7 - 63 \times 2^{5-2m}xy^7 + \\
& 35 \times 2^{4-m}xy^7 + 35 \times 2^{6-m}xy^7 + 21 \times 2^{4+m}xy^7 + 21 \times 2^{5+m}xy^7 - 7 \times 2^{5+2m}xy^7 + 2^{4+3m}xy^7 + \\
& 560y^8 + 2^{4-4m}y^8 - 7 \times 2^{4-3m}y^8 + 21 \times 2^{4-2m}y^8 - 35 \times 2^{4-m}y^8 - 21 \times 2^{4+m}y^8 + 7 \times 2^{4+2m}y^8 - 2^{4+3m}y^8
\end{aligned}$$

$$\begin{aligned}
Q^{II}_{\{8, 1, 0\}} = & 2^{4-4m}x^8 - 2^{7-4m}x^7y + 3 \times 2^{5-3m}x^7y + 16x^6y^2 + 2^{6-4m}x^6y^2 + 2^{7-4m}x^6y^2 + \\
& 2^{8-4m}x^6y^2 - 15 \times 2^{5-3m}x^6y^2 - 3 \times 2^{6-3m}x^6y^2 + 15 \times 2^{4-2m}x^6y^2 - 7 \times 2^{7-4m}x^5y^3 + 9 \times 2^{5-3m}x^5y^3 + \\
& 15 \times 2^{6-3m}x^5y^3 + 3 \times 2^{8-3m}x^5y^3 - 15 \times 2^{5-2m}x^5y^3 - 15 \times 2^{6-2m}x^5y^3 + 5 \times 2^{6-m}x^5y^3 + 240x^4y^4 + \\
& 5 \times 2^{5-4m}x^4y^4 + 5 \times 2^{6-4m}x^4y^4 + 5 \times 2^{7-4m}x^4y^4 - 15 \times 2^{5-3m}x^4y^4 - 15 \times 2^{6-3m}x^4y^4 - \\
& 15 \times 2^{7-3m}x^4y^4 + 45 \times 2^{4-2m}x^4y^4 + 15 \times 2^{6-2m}x^4y^4 + 15 \times 2^{7-2m}x^4y^4 - 5 \times 2^{6-m}x^4y^4 - \\
& 5 \times 2^{8-m}x^4y^4 - 960x^3y^5 - 7 \times 2^{7-4m}x^3y^5 + 15 \times 2^{5-3m}x^3y^5 + 15 \times 2^{6-3m}x^3y^5 + 15 \times 2^{7-3m}x^3y^5 - \\
& 15 \times 2^{6-2m}x^3y^5 - 15 \times 2^{8-2m}x^3y^5 + 5 \times 2^{7-m}x^3y^5 + 5 \times 2^{9-m}x^3y^5 + 3 \times 2^{5+m}x^3y^5 + 1440x^2y^6 + \\
& 2^{6-4m}x^2y^6 + 2^{7-4m}x^2y^6 + 2^{8-4m}x^2y^6 - 9 \times 2^{5-3m}x^2y^6 - 15 \times 2^{6-3m}x^2y^6 - 3 \times 2^{8-3m}x^2y^6 + \\
& 45 \times 2^{4-2m}x^2y^6 + 15 \times 2^{6-2m}x^2y^6 + 15 \times 2^{7-2m}x^2y^6 - 5 \times 2^{7-m}x^2y^6 - 5 \times 2^{9-m}x^2y^6 - \\
& 3 \times 2^{5+m}x^2y^6 - 3 \times 2^{6+m}x^2y^6 + 2^{4+2m}x^2y^6 - 960xy^7 - 2^{7-4m}xy^7 + 15 \times 2^{5-3m}xy^7 + 3 \times 2^{6-3m}xy^7 - \\
& 15 \times 2^{5-2m}xy^7 - 15 \times 2^{6-2m}xy^7 + 5 \times 2^{6-m}xy^7 + 5 \times 2^{8-m}xy^7 + 3 \times 2^{5+m}xy^7 + 3 \times 2^{6+m}xy^7 - \\
& 2^{5+2m}xy^7 + 240y^8 + 2^{4-4m}y^8 - 3 \times 2^{5-3m}y^8 + 15 \times 2^{4-2m}y^8 - 5 \times 2^{6-m}y^8 - 3 \times 2^{5+m}y^8 + 2^{4+2m}y^8
\end{aligned}$$

$$\begin{aligned}
Q^{II}_{\{8, 2, 0\}} = & 2^{4-4m}x^8 - 2^{7-4m}x^7y + 5 \times 2^{4-3m}x^7y + 7 \times 2^{6-4m}x^6y^2 - 5 \times 2^{4-3m}x^6y^2 - \\
& 5 \times 2^{5-3m}x^6y^2 - 5 \times 2^{6-3m}x^6y^2 + 5 \times 2^{5-2m}x^6y^2 + 16x^5y^3 - 5 \times 2^{7-4m}x^5y^3 - 2^{8-4m}x^5y^3 + \\
& 15 \times 2^{4-3m}x^5y^3 + 45 \times 2^{5-3m}x^5y^3 - 15 \times 2^{6-2m}x^5y^3 + 5 \times 2^{5-m}x^5y^3 + 80x^4y^4 + 5 \times 2^{5-4m}x^4y^4 + \\
& 5 \times 2^{6-4m}x^4y^4 + 5 \times 2^{7-4m}x^4y^4 - 25 \times 2^{4-3m}x^4y^4 - 15 \times 2^{5-3m}x^4y^4 - 5 \times 2^{7-3m}x^4y^4 - 5 \times 2^{8-3m}x^4y^4 + \\
& 15 \times 2^{5-2m}x^4y^4 + 15 \times 2^{7-2m}x^4y^4 - 5 \times 2^{5-m}x^4y^4 - 5 \times 2^{7-m}x^4y^4 - 320x^3y^5 - 5 \times 2^{7-4m}x^3y^5 - \\
& 2^{8-4m}x^3y^5 + 25 \times 2^{4-3m}x^3y^5 + 15 \times 2^{5-3m}x^3y^5 + 5 \times 2^{7-3m}x^3y^5 + 5 \times 2^{8-3m}x^3y^5 - 25 \times 2^{7-2m}x^3y^5 + \\
& 5 \times 2^{6-m}x^3y^5 + 5 \times 2^{8-m}x^3y^5 + 2^{4+m}x^3y^5 + 480x^2y^6 + 7 \times 2^{6-4m}x^2y^6 - 15 \times 2^{4-3m}x^2y^6 - \\
& 15 \times 2^{5-3m}x^2y^6 - 15 \times 2^{6-3m}x^2y^6 + 15 \times 2^{5-2m}x^2y^6 + 15 \times 2^{7-2m}x^2y^6 - 5 \times 2^{6-m}x^2y^6 - 5 \times 2^{8-m}x^2y^6 - \\
& 3 \times 2^{4+m}x^2y^6 - 320xy^7 - 2^{7-4m}xy^7 + 15 \times 2^{4-3m}xy^7 + 5 \times 2^{6-3m}xy^7 - 15 \times 2^{6-2m}xy^7 + 5 \times 2^{5-m}xy^7 + \\
& 5 \times 2^{7-m}xy^7 + 3 \times 2^{4+m}xy^7 + 80y^8 + 2^{4-4m}y^8 - 5 \times 2^{4-3m}y^8 + 5 \times 2^{5-2m}y^8 - 5 \times 2^{5-m}y^8 - 2^{4+m}y^8
\end{aligned}$$

$$\begin{aligned}
Q^{II}_{\{8, 3, 0\}} = & 2^{4-4m} x^8 - 2^{7-4m} x^7 y + 2^{6-3m} x^7 y + 2^{6-4m} x^6 y^2 + 2^{7-4m} x^6 y^2 + 2^{8-4m} x^6 y^2 - 2^{6-3m} x^6 y^2 - \\
& 2^{7-3m} x^6 y^2 - 2^{8-3m} x^6 y^2 + 3 \times 2^{5-2m} x^6 y^2 - 2^{7-4m} x^5 y^3 - 2^{8-4m} x^5 y^3 - 2^{9-4m} x^5 y^3 + 3 \times 2^{6-3m} x^5 y^3 + \\
& 3 \times 2^{7-3m} x^5 y^3 + 3 \times 2^{8-3m} x^5 y^3 - 3 \times 2^{6-2m} x^5 y^3 - 3 \times 2^{7-2m} x^5 y^3 + 2^{6-m} x^5 y^3 + 32 x^4 y^4 + \\
& 7 \times 2^{5-4m} x^4 y^4 + 2^{7-4m} x^4 y^4 + 2^{8-4m} x^4 y^4 + 2^{9-4m} x^4 y^4 - 7 \times 2^{6-3m} x^4 y^4 - 2^{8-3m} x^4 y^4 - 2^{9-3m} x^4 y^4 - \\
& 2^{10-3m} x^4 y^4 + 9 \times 2^{5-2m} x^4 y^4 + 3 \times 2^{7-2m} x^4 y^4 + 3 \times 2^{8-2m} x^4 y^4 - 2^{6-m} x^4 y^4 - 2^{8-m} x^4 y^4 - 64 x^3 y^5 - \\
& 2^{7-4m} x^3 y^5 - 2^{8-4m} x^3 y^5 - 2^{9-4m} x^3 y^5 + 7 \times 2^{6-3m} x^3 y^5 + 2^{8-3m} x^3 y^5 + 2^{9-3m} x^3 y^5 + 2^{10-3m} x^3 y^5 - \\
& 3 \times 2^{7-2m} x^3 y^5 - 3 \times 2^{9-2m} x^3 y^5 + 2^{7-m} x^3 y^5 + 2^{9-m} x^3 y^5 + 96 x^2 y^6 + 2^{6-4m} x^2 y^6 + 2^{7-4m} x^2 y^6 + \\
& 2^{8-4m} x^2 y^6 - 3 \times 2^{6-3m} x^2 y^6 - 3 \times 2^{7-3m} x^2 y^6 - 3 \times 2^{8-3m} x^2 y^6 + 9 \times 2^{5-2m} x^2 y^6 + 3 \times 2^{7-2m} x^2 y^6 + \\
& 3 \times 2^{8-2m} x^2 y^6 - 2^{7-m} x^2 y^6 - 2^{9-m} x^2 y^6 - 64 x y^7 - 2^{7-4m} x y^7 + 2^{6-3m} x y^7 + 2^{7-3m} x y^7 + 2^{8-3m} x y^7 - \\
& 3 \times 2^{6-2m} x y^7 - 3 \times 2^{7-2m} x y^7 + 2^{6-m} x y^7 + 2^{8-m} x y^7 + 16 y^8 + 2^{4-4m} y^8 - 2^{6-3m} y^8 + 3 \times 2^{5-2m} y^8 - 2^{6-m} y^8
\end{aligned}$$

$$\begin{aligned}
Q^{II}_{\{7, 1, 1\}} = & 16 x^7 - 2^{4-\frac{7m}{2}} x^7 + 7 \times 2^{4-\frac{7m}{2}} x^6 y - 7 \times 2^{4-\frac{5m}{2}} x^6 y - 21 \times 2^{4-\frac{7m}{2}} x^5 y^2 + \\
& 21 \times 2^{5-\frac{5m}{2}} x^5 y^2 - 21 \times 2^{4-\frac{3m}{2}} x^5 y^2 + 35 \times 2^{4-\frac{7m}{2}} x^4 y^3 - 105 \times 2^{4-\frac{5m}{2}} x^4 y^3 + 105 \times 2^{4-\frac{3m}{2}} x^4 y^3 - \\
& 35 \times 2^{4-\frac{m}{2}} x^4 y^3 - 35 \times 2^{4-\frac{7m}{2}} x^3 y^4 + 35 \times 2^{6-\frac{5m}{2}} x^3 y^4 - 105 \times 2^{5-\frac{3m}{2}} x^3 y^4 + 35 \times 2^{6-\frac{m}{2}} x^3 y^4 - \\
& 35 \times 2^{4+\frac{m}{2}} x^3 y^4 + 21 \times 2^{4-\frac{7m}{2}} x^2 y^5 - 105 \times 2^{4-\frac{5m}{2}} x^2 y^5 + 105 \times 2^{5-\frac{3m}{2}} x^2 y^5 - 105 \times 2^{5-\frac{m}{2}} x^2 y^5 + \\
& 105 \times 2^{4+\frac{m}{2}} x^2 y^5 - 21 \times 2^{4+\frac{3m}{2}} x^2 y^5 - 7 \times 2^{4-\frac{7m}{2}} x y^6 + 21 \times 2^{5-\frac{5m}{2}} x y^6 - 105 \times 2^{4-\frac{3m}{2}} x y^6 + \\
& 35 \times 2^{6-\frac{m}{2}} x y^6 - 105 \times 2^{4+\frac{m}{2}} x y^6 + 21 \times 2^{5+\frac{3m}{2}} x y^6 - 7 \times 2^{4+\frac{5m}{2}} x y^6 + 2^{4-\frac{7m}{2}} y^7 - 7 \times 2^{4-\frac{5m}{2}} y^7 + \\
& 21 \times 2^{4-\frac{3m}{2}} y^7 - 35 \times 2^{4-\frac{m}{2}} y^7 + 35 \times 2^{4+\frac{m}{2}} y^7 - 21 \times 2^{4+\frac{3m}{2}} y^7 + 7 \times 2^{4+\frac{5m}{2}} y^7 - 2^{4+\frac{7m}{2}} y^7
\end{aligned}$$

$$\begin{aligned}
Q^{II}_{\{7, 2, 1\}} = & -2^{4-\frac{7m}{2}} x^7 + 16 x^6 y + 3 \times 2^{4-\frac{7m}{2}} x^6 y + 2^{6-\frac{7m}{2}} x^6 y - 3 \times 2^{5-\frac{5m}{2}} x^6 y - 9 \times 2^{4-\frac{7m}{2}} x^5 y^2 - \\
& 3 \times 2^{6-\frac{7m}{2}} x^5 y^2 + 9 \times 2^{6-\frac{5m}{2}} x^5 y^2 - 15 \times 2^{4-\frac{3m}{2}} x^5 y^2 + 5 \times 2^{4-\frac{7m}{2}} x^4 y^3 + 5 \times 2^{5-\frac{7m}{2}} x^4 y^3 + 5 \times 2^{6-\frac{7m}{2}} x^4 y^3 - \\
& 15 \times 2^{5-\frac{5m}{2}} x^4 y^3 - 15 \times 2^{6-\frac{5m}{2}} x^4 y^3 + 15 \times 2^{4-\frac{3m}{2}} x^4 y^3 + 15 \times 2^{6-\frac{3m}{2}} x^4 y^3 - 5 \times 2^{6-\frac{m}{2}} x^4 y^3 - \\
& 5 \times 2^{4-\frac{7m}{2}} x^3 y^4 - 5 \times 2^{5-\frac{7m}{2}} x^3 y^4 - 5 \times 2^{6-\frac{7m}{2}} x^3 y^4 + 15 \times 2^{7-\frac{5m}{2}} x^3 y^4 - 15 \times 2^{5-\frac{3m}{2}} x^3 y^4 - \\
& 15 \times 2^{7-\frac{3m}{2}} x^3 y^4 + 5 \times 2^{8-\frac{m}{2}} x^3 y^4 - 15 \times 2^{4+\frac{m}{2}} x^3 y^4 + 9 \times 2^{4-\frac{7m}{2}} x^2 y^5 + 3 \times 2^{6-\frac{7m}{2}} x^2 y^5 - 15 \times 2^{5-\frac{5m}{2}} x^2 y^5 - \\
& 15 \times 2^{6-\frac{5m}{2}} x^2 y^5 + 15 \times 2^{5-\frac{3m}{2}} x^2 y^5 + 15 \times 2^{7-\frac{3m}{2}} x^2 y^5 - 15 \times 2^{7-\frac{m}{2}} x^2 y^5 + 15 \times 2^{4+\frac{m}{2}} x^2 y^5 + \\
& 15 \times 2^{5+\frac{m}{2}} x^2 y^5 - 3 \times 2^{5+\frac{3m}{2}} x^2 y^5 - 3 \times 2^{4-\frac{7m}{2}} x y^6 - 2^{6-\frac{7m}{2}} x y^6 + 9 \times 2^{6-\frac{5m}{2}} x y^6 - 15 \times 2^{4-\frac{3m}{2}} x y^6 - \\
& 15 \times 2^{6-\frac{3m}{2}} x y^6 + 5 \times 2^{8-\frac{m}{2}} x y^6 - 15 \times 2^{4+\frac{m}{2}} x y^6 - 15 \times 2^{5+\frac{m}{2}} x y^6 + 3 \times 2^{6+\frac{3m}{2}} x y^6 - 2^{4+\frac{5m}{2}} x y^6 + \\
& 2^{4-\frac{7m}{2}} y^7 - 3 \times 2^{5-\frac{5m}{2}} y^7 + 15 \times 2^{4-\frac{3m}{2}} y^7 - 5 \times 2^{6-\frac{m}{2}} y^7 + 15 \times 2^{4+\frac{m}{2}} y^7 - 3 \times 2^{5+\frac{3m}{2}} y^7 + 2^{4+\frac{5m}{2}} y^7
\end{aligned}$$

$$\begin{aligned}
Q^{II}_{\{7, 3, 1\}} = & -2^{4-\frac{7m}{2}} x^7 + 3 \times 2^{4-\frac{7m}{2}} x^6 y + 2^{6-\frac{7m}{2}} x^6 y - 5 \times 2^{4-\frac{5m}{2}} x^6 y + 16 x^5 y^2 - 5 \times 2^{4-\frac{7m}{2}} x^5 y^2 - \\
& 2^{8-\frac{7m}{2}} x^5 y^2 + 5 \times 2^{5-\frac{5m}{2}} x^5 y^2 + 5 \times 2^{6-\frac{5m}{2}} x^5 y^2 - 5 \times 2^{5-\frac{3m}{2}} x^5 y^2 + 5 \times 2^{4-\frac{7m}{2}} x^4 y^3 + 15 \times 2^{5-\frac{7m}{2}} x^4 y^3 - \\
& 15 \times 2^{4-\frac{5m}{2}} x^4 y^3 - 5 \times 2^{6-\frac{5m}{2}} x^4 y^3 - 5 \times 2^{7-\frac{5m}{2}} x^4 y^3 + 5 \times 2^{5-\frac{3m}{2}} x^4 y^3 + 5 \times 2^{7-\frac{3m}{2}} x^4 y^3 - 5 \times 2^{5-\frac{m}{2}} x^4 y^3 - \\
& 5 \times 2^{4-\frac{7m}{2}} x^3 y^4 - 15 \times 2^{5-\frac{7m}{2}} x^3 y^4 + 5 \times 2^{6-\frac{5m}{2}} x^3 y^4 + 5 \times 2^{8-\frac{5m}{2}} x^3 y^4 - 5 \times 2^{6-\frac{3m}{2}} x^3 y^4 - \\
& 5 \times 2^{8-\frac{3m}{2}} x^3 y^4 + 5 \times 2^{7-\frac{m}{2}} x^3 y^4 - 5 \times 2^{4+\frac{m}{2}} x^3 y^4 + 5 \times 2^{4-\frac{7m}{2}} x^2 y^5 + 2^{8-\frac{7m}{2}} x^2 y^5 - 15 \times 2^{4-\frac{5m}{2}} x^2 y^5 - \\
& 5 \times 2^{6-\frac{5m}{2}} x^2 y^5 - 5 \times 2^{7-\frac{5m}{2}} x^2 y^5 + 5 \times 2^{6-\frac{3m}{2}} x^2 y^5 + 5 \times 2^{8-\frac{3m}{2}} x^2 y^5 - 5 \times 2^{6-\frac{m}{2}} x^2 y^5 - 5 \times 2^{7-\frac{m}{2}} x^2 y^5 + \\
& 5 \times 2^{4+\frac{m}{2}} x^2 y^5 + 5 \times 2^{5+\frac{m}{2}} x^2 y^5 - 2^{4+\frac{3m}{2}} x^2 y^5 - 3 \times 2^{4-\frac{7m}{2}} x y^6 - 2^{6-\frac{7m}{2}} x y^6 + 5 \times 2^{5-\frac{5m}{2}} x y^6 + \\
& 5 \times 2^{6-\frac{5m}{2}} x y^6 - 5 \times 2^{5-\frac{3m}{2}} x y^6 - 5 \times 2^{7-\frac{3m}{2}} x y^6 + 5 \times 2^{7-\frac{m}{2}} x y^6 - 5 \times 2^{4+\frac{m}{2}} x y^6 - 5 \times 2^{5+\frac{m}{2}} x y^6 + \\
& 2^{5+\frac{3m}{2}} x y^6 + 2^{4-\frac{7m}{2}} y^7 - 5 \times 2^{4-\frac{5m}{2}} y^7 + 5 \times 2^{5-\frac{3m}{2}} y^7 - 5 \times 2^{5-\frac{m}{2}} y^7 + 5 \times 2^{4+\frac{m}{2}} y^7 - 2^{4+\frac{3m}{2}} y^7
\end{aligned}$$

$$\begin{aligned}
Q^{II}_{\{7, 4, 1\}} = & -2^{4-\frac{7m}{2}}x^7 + 2^{4-\frac{7m}{2}}x^6y + 2^{5-\frac{7m}{2}}x^6y + 2^{6-\frac{7m}{2}}x^6y - 2^{6-\frac{5m}{2}}x^6y - 3 \times 2^{4-\frac{7m}{2}}x^5y^2 - \\
& 9 \times 2^{5-\frac{7m}{2}}x^5y^2 + 3 \times 2^{7-\frac{5m}{2}}x^5y^2 - 3 \times 2^{5-\frac{3m}{2}}x^5y^2 + 16x^4y^3 + 5 \times 2^{4-\frac{7m}{2}}x^4y^3 + 3 \times 2^{5-\frac{7m}{2}}x^4y^3 + \\
& 2^{7-\frac{7m}{2}}x^4y^3 + 2^{8-\frac{7m}{2}}x^4y^3 - 3 \times 2^{6-\frac{5m}{2}}x^4y^3 - 3 \times 2^{8-\frac{5m}{2}}x^4y^3 + 3 \times 2^{5-\frac{3m}{2}}x^4y^3 + 3 \times 2^{7-\frac{3m}{2}}x^4y^3 - \\
& 2^{6-\frac{m}{2}}x^4y^3 - 5 \times 2^{4-\frac{7m}{2}}x^3y^4 - 3 \times 2^{5-\frac{7m}{2}}x^3y^4 - 2^{7-\frac{7m}{2}}x^3y^4 - 2^{8-\frac{7m}{2}}x^3y^4 + 5 \times 2^{8-\frac{5m}{2}}x^3y^4 - \\
& 3 \times 2^{6-\frac{3m}{2}}x^3y^4 - 3 \times 2^{8-\frac{3m}{2}}x^3y^4 + 2^{8-\frac{m}{2}}x^3y^4 - 2^{4+\frac{m}{2}}x^3y^4 + 3 \times 2^{4-\frac{7m}{2}}x^2y^5 + 9 \times 2^{5-\frac{7m}{2}}x^2y^5 - \\
& 3 \times 2^{6-\frac{5m}{2}}x^2y^5 - 3 \times 2^{8-\frac{5m}{2}}x^2y^5 + 3 \times 2^{6-\frac{3m}{2}}x^2y^5 + 3 \times 2^{8-\frac{3m}{2}}x^2y^5 - 3 \times 2^{7-\frac{m}{2}}x^2y^5 + \\
& 3 \times 2^{4+\frac{m}{2}}x^2y^5 - 2^{4-\frac{7m}{2}}xy^6 - 2^{5-\frac{7m}{2}}xy^6 - 2^{6-\frac{7m}{2}}xy^6 + 3 \times 2^{7-\frac{5m}{2}}xy^6 - 3 \times 2^{5-\frac{3m}{2}}xy^6 - \\
& 3 \times 2^{7-\frac{3m}{2}}xy^6 + 2^{8-\frac{m}{2}}xy^6 - 3 \times 2^{4+\frac{m}{2}}xy^6 + 2^{4-\frac{7m}{2}}y^7 - 2^{6-\frac{5m}{2}}y^7 + 3 \times 2^{5-\frac{3m}{2}}y^7 - 2^{6-\frac{m}{2}}y^7 + 2^{4+\frac{m}{2}}y^7
\end{aligned}$$

$$\begin{aligned}
Q^{II}_{\{6, 1, 2\}} = & 16x^6 + 2^{4-3m}x^6 - 3 \times 2^{5-3m}x^5y + 3 \times 2^{5-2m}x^5y + 15 \times 2^{4-3m}x^4y^2 - \\
& 15 \times 2^{5-2m}x^4y^2 + 15 \times 2^{4-m}x^4y^2 + 320x^3y^3 - 5 \times 2^{6-3m}x^3y^3 + 15 \times 2^{6-2m}x^3y^3 - \\
& 15 \times 2^{6-m}x^3y^3 - 960x^2y^4 + 15 \times 2^{4-3m}x^2y^4 - 15 \times 2^{6-2m}x^2y^4 + 45 \times 2^{5-m}x^2y^4 + 15 \times 2^{4+m}x^2y^4 + \\
& 960xy^5 - 3 \times 2^{5-3m}xy^5 + 15 \times 2^{5-2m}xy^5 - 15 \times 2^{6-m}xy^5 - 15 \times 2^{5+m}xy^5 + 3 \times 2^{5+2m}xy^5 - \\
& 320y^6 + 2^{4-3m}y^6 - 3 \times 2^{5-2m}y^6 + 15 \times 2^{4-m}y^6 + 15 \times 2^{4+m}y^6 - 3 \times 2^{5+2m}y^6 + 2^{4+3m}y^6
\end{aligned}$$

$$\begin{aligned}
Q^{II}_{\{6, 2, 2\}} = & 2^{4-3m}x^6 + 16x^5y - 3 \times 2^{5-3m}x^5y + 5 \times 2^{4-2m}x^5y + \\
& 5 \times 2^{4-3m}x^4y^2 + 5 \times 2^{5-3m}x^4y^2 - 5 \times 2^{4-2m}x^4y^2 - 5 \times 2^{6-2m}x^4y^2 + 5 \times 2^{5-m}x^4y^2 + \\
& 160x^3y^3 - 5 \times 2^{6-3m}x^3y^3 + 5 \times 2^{5-2m}x^3y^3 + 5 \times 2^{7-2m}x^3y^3 - 5 \times 2^{7-m}x^3y^3 - 480x^2y^4 + \\
& 5 \times 2^{4-3m}x^2y^4 + 5 \times 2^{5-3m}x^2y^4 - 5 \times 2^{5-2m}x^2y^4 - 5 \times 2^{7-2m}x^2y^4 + 15 \times 2^{6-m}x^2y^4 + \\
& 5 \times 2^{4+m}x^2y^4 + 480xy^5 - 3 \times 2^{5-3m}xy^5 + 5 \times 2^{4-2m}xy^5 + 5 \times 2^{6-2m}xy^5 - 5 \times 2^{7-m}xy^5 - \\
& 5 \times 2^{5+m}xy^5 + 2^{4+2m}xy^5 - 160y^6 + 2^{4-3m}y^6 - 5 \times 2^{4-2m}y^6 + 5 \times 2^{5-m}y^6 + 5 \times 2^{4+m}y^6 - 2^{4+2m}y^6
\end{aligned}$$

$$\begin{aligned}
Q^{II}_{\{6, 3, 2\}} = & 2^{4-3m}x^6 - 2^{5-3m}x^5y - 2^{6-3m}x^5y + 2^{6-2m}x^5y + 16x^4y^2 + 3 \times 2^{4-3m}x^4y^2 + 2^{6-3m}x^4y^2 + \\
& 2^{7-3m}x^4y^2 - 2^{6-2m}x^4y^2 - 2^{8-2m}x^4y^2 + 3 \times 2^{5-m}x^4y^2 + 64x^3y^3 - 2^{6-3m}x^3y^3 - 2^{8-3m}x^3y^3 + \\
& 2^{7-2m}x^3y^3 + 2^{9-2m}x^3y^3 - 3 \times 2^{7-m}x^3y^3 - 192x^2y^4 + 5 \times 2^{4-3m}x^2y^4 + 2^{5-3m}x^2y^4 + 2^{7-3m}x^2y^4 - \\
& 2^{7-2m}x^2y^4 - 2^{9-2m}x^2y^4 + 3 \times 2^{6-m}x^2y^4 + 3 \times 2^{7-m}x^2y^4 + 2^{4+m}x^2y^4 + 192xy^5 - 2^{5-3m}xy^5 - 2^{6-3m}xy^5 + \\
& 2^{6-2m}xy^5 + 2^{8-2m}xy^5 - 3 \times 2^{7-m}xy^5 - 2^{5+m}xy^5 - 64y^6 + 2^{4-3m}y^6 - 2^{6-2m}y^6 + 3 \times 2^{5-m}y^6 + 2^{4+m}y^6
\end{aligned}$$

$$\begin{aligned}
Q^{II}_{\{6, 4, 2\}} = & 2^{4-3m}x^6 - 3 \times 2^{5-3m}x^5y + 3 \times 2^{4-2m}x^5y + 3 \times 2^{4-3m}x^4y^2 + \\
& 3 \times 2^{6-3m}x^4y^2 - 3 \times 2^{4-2m}x^4y^2 - 3 \times 2^{6-2m}x^4y^2 + 3 \times 2^{4-m}x^4y^2 + 32x^3y^3 - \\
& 5 \times 2^{6-3m}x^3y^3 + 3 \times 2^{5-2m}x^3y^3 + 3 \times 2^{7-2m}x^3y^3 - 3 \times 2^{6-m}x^3y^3 - 48x^2y^4 + 3 \times 2^{4-3m}x^2y^4 + \\
& 3 \times 2^{6-3m}x^2y^4 - 3 \times 2^{5-2m}x^2y^4 - 3 \times 2^{7-2m}x^2y^4 + 9 \times 2^{5-m}x^2y^4 + 48xy^5 - 3 \times 2^{5-3m}xy^5 + \\
& 3 \times 2^{4-2m}xy^5 + 3 \times 2^{6-2m}xy^5 - 3 \times 2^{6-m}xy^5 - 16y^6 + 2^{4-3m}y^6 - 3 \times 2^{4-2m}y^6 + 3 \times 2^{4-m}y^6
\end{aligned}$$

$$\begin{aligned}
Q^{II}_{\{5, 1, 3\}} = & 16x^5 - 2^{4-\frac{5m}{2}}x^5 + 5 \times 2^{4-\frac{5m}{2}}x^4y - 5 \times 2^{4-\frac{3m}{2}}x^4y - 5 \times 2^{5-\frac{5m}{2}}x^3y^2 + \\
& 5 \times 2^{6-\frac{3m}{2}}x^3y^2 - 5 \times 2^{5-\frac{m}{2}}x^3y^2 + 5 \times 2^{5-\frac{5m}{2}}x^2y^3 - 15 \times 2^{5-\frac{3m}{2}}x^2y^3 + 15 \times 2^{5-\frac{m}{2}}x^2y^3 - \\
& 5 \times 2^{5+\frac{m}{2}}x^2y^3 - 5 \times 2^{4-\frac{5m}{2}}xy^4 + 5 \times 2^{6-\frac{3m}{2}}xy^4 - 15 \times 2^{5-\frac{m}{2}}xy^4 + 5 \times 2^{6+\frac{m}{2}}xy^4 - \\
& 5 \times 2^{4+\frac{3m}{2}}xy^4 + 2^{4-\frac{5m}{2}}y^5 - 5 \times 2^{4-\frac{3m}{2}}y^5 + 5 \times 2^{5-\frac{m}{2}}y^5 - 5 \times 2^{5+\frac{m}{2}}y^5 + 5 \times 2^{4+\frac{5m}{2}}y^5 - 2^{4+\frac{5m}{2}}y^5
\end{aligned}$$

$$\begin{aligned}
Q^{II}_{\{5, 2, 3\}} = & -2^{4-\frac{5m}{2}}x^5 + 16x^4y + 2^{4-\frac{5m}{2}}x^4y + 2^{6-\frac{5m}{2}}x^4y - 2^{6-\frac{3m}{2}}x^4y - 2^{5-\frac{5m}{2}}x^3y^2 - \\
& 2^{7-\frac{5m}{2}}x^3y^2 + 2^{8-\frac{3m}{2}}x^3y^2 - 3 \times 2^{5-\frac{m}{2}}x^3y^2 + 2^{5-\frac{5m}{2}}x^2y^3 + 2^{7-\frac{5m}{2}}x^2y^3 - 3 \times 2^{7-\frac{3m}{2}}x^2y^3 + \\
& 3 \times 2^{5-\frac{m}{2}}x^2y^3 + 3 \times 2^{6-\frac{m}{2}}x^2y^3 - 2^{6+\frac{m}{2}}x^2y^3 - 2^{4-\frac{5m}{2}}xy^4 - 2^{6-\frac{5m}{2}}xy^4 + 2^{8-\frac{3m}{2}}xy^4 - 3 \times 2^{5-\frac{m}{2}}xy^4 - \\
& 3 \times 2^{6-\frac{m}{2}}xy^4 + 2^{7+\frac{m}{2}}xy^4 - 2^{4+\frac{3m}{2}}xy^4 + 2^{4-\frac{5m}{2}}y^5 - 2^{6-\frac{3m}{2}}y^5 + 3 \times 2^{5-\frac{m}{2}}y^5 - 2^{6+\frac{m}{2}}y^5 + 2^{4+\frac{3m}{2}}y^5
\end{aligned}$$

$$Q^{II}_{\{5, 3, 3\}} = -2^{4-\frac{5m}{2}}x^5 + 2^{4-\frac{5m}{2}}x^4y + 2^{6-\frac{5m}{2}}x^4y - 3 \times 2^{4-\frac{3m}{2}}x^4y + 16x^3y^2 - 2^{5-\frac{5m}{2}}x^3y^2 - \\ 2^{7-\frac{5m}{2}}x^3y^2 + 3 \times 2^{6-\frac{3m}{2}}x^3y^2 - 3 \times 2^{4-\frac{m}{2}}x^3y^2 + 2^{5-\frac{5m}{2}}x^2y^3 + 2^{7-\frac{5m}{2}}x^2y^3 - 3 \times 2^{5-\frac{3m}{2}}x^2y^3 - \\ 3 \times 2^{6-\frac{3m}{2}}x^2y^3 + 3 \times 2^{4-\frac{m}{2}}x^2y^3 + 3 \times 2^{5-\frac{m}{2}}x^2y^3 - 2^{4+\frac{m}{2}}x^2y^3 - 2^{4-\frac{5m}{2}}xy^4 - 2^{6-\frac{5m}{2}}xy^4 + 3 \times 2^{6-\frac{3m}{2}}xy^4 - \\ 3 \times 2^{4-\frac{m}{2}}xy^4 - 3 \times 2^{5-\frac{m}{2}}xy^4 + 2^{5+\frac{m}{2}}xy^4 + 2^{4-\frac{5m}{2}}y^5 - 3 \times 2^{4-\frac{3m}{2}}y^5 + 3 \times 2^{4-\frac{m}{2}}y^5 - 2^{4+\frac{m}{2}}y^5$$

$$Q^{II}_{\{13, 1, 3\}} = 16x^{13} - 2^{4-\frac{13m}{2}}x^{13} + 13 \times 2^{4-\frac{13m}{2}}x^{12}y - 13 \times 2^{4-\frac{11m}{2}}x^{12}y - 39 \times 2^{5-\frac{13m}{2}}x^{11}y^2 + \\ 39 \times 2^{6-\frac{11m}{2}}x^{11}y^2 - 39 \times 2^{5-\frac{9m}{2}}x^{11}y^2 + 143 \times 2^{5-\frac{13m}{2}}x^{10}y^3 - 429 \times 2^{5-\frac{11m}{2}}x^{10}y^3 + 429 \times 2^{5-\frac{9m}{2}}x^{10}y^3 - \\ 143 \times 2^{5-\frac{7m}{2}}x^{10}y^3 - 715 \times 2^{4-\frac{13m}{2}}x^9y^4 + 715 \times 2^{6-\frac{11m}{2}}x^9y^4 - 2145 \times 2^{5-\frac{9m}{2}}x^9y^4 + 715 \times 2^{6-\frac{7m}{2}}x^9y^4 - \\ 715 \times 2^{4-\frac{5m}{2}}x^9y^4 + 1287 \times 2^{4-\frac{13m}{2}}x^8y^5 - 6435 \times 2^{4-\frac{11m}{2}}x^8y^5 + 6435 \times 2^{5-\frac{9m}{2}}x^8y^5 - 6435 \times 2^{5-\frac{7m}{2}}x^8y^5 + \\ 6435 \times 2^{4-\frac{5m}{2}}x^8y^5 - 1287 \times 2^{4-\frac{3m}{2}}x^8y^5 - 429 \times 2^{6-\frac{13m}{2}}x^7y^6 + 1287 \times 2^{7-\frac{11m}{2}}x^7y^6 - 6435 \times 2^{6-\frac{9m}{2}}x^7y^6 + \\ 2145 \times 2^{8-\frac{7m}{2}}x^7y^6 - 6435 \times 2^{6-\frac{5m}{2}}x^7y^6 + 1287 \times 2^{7-\frac{3m}{2}}x^7y^6 - 429 \times 2^{6-\frac{m}{2}}x^7y^6 + 429 \times 2^{6-\frac{13m}{2}}x^6y^7 - \\ 3003 \times 2^{6-\frac{11m}{2}}x^6y^7 + 9009 \times 2^{6-\frac{9m}{2}}x^6y^7 - 15015 \times 2^{6-\frac{7m}{2}}x^6y^7 + 15015 \times 2^{6-\frac{5m}{2}}x^6y^7 - \\ 9009 \times 2^{6-\frac{3m}{2}}x^6y^7 + 3003 \times 2^{6-\frac{m}{2}}x^6y^7 - 429 \times 2^{6+\frac{m}{2}}x^6y^7 - 1287 \times 2^{4-\frac{13m}{2}}x^5y^8 + 1287 \times 2^{7-\frac{11m}{2}}x^5y^8 - \\ 9009 \times 2^{6-\frac{9m}{2}}x^5y^8 + 9009 \times 2^{7-\frac{7m}{2}}x^5y^8 - 45045 \times 2^{5-\frac{5m}{2}}x^5y^8 + 9009 \times 2^{7-\frac{3m}{2}}x^5y^8 - \\ 9009 \times 2^{6-\frac{m}{2}}x^5y^8 + 1287 \times 2^{7+\frac{m}{2}}x^5y^8 - 1287 \times 2^{4+\frac{3m}{2}}x^5y^8 + 715 \times 2^{4-\frac{13m}{2}}x^4y^9 - 6435 \times 2^{4-\frac{11m}{2}}x^4y^9 + \\ 6435 \times 2^{6-\frac{9m}{2}}x^4y^9 - 15015 \times 2^{6-\frac{7m}{2}}x^4y^9 + 45045 \times 2^{5-\frac{5m}{2}}x^4y^9 - 45045 \times 2^{5-\frac{3m}{2}}x^4y^9 + \\ 15015 \times 2^{6-\frac{m}{2}}x^4y^9 - 6435 \times 2^{6+\frac{m}{2}}x^4y^9 + 6435 \times 2^{4+\frac{3m}{2}}x^4y^9 - 715 \times 2^{4+\frac{5m}{2}}x^4y^9 - 143 \times 2^{5-\frac{13m}{2}}x^3y^{10} + \\ 715 \times 2^{6-\frac{11m}{2}}x^3y^{10} - 6435 \times 2^{5-\frac{9m}{2}}x^3y^{10} + 2145 \times 2^{8-\frac{7m}{2}}x^3y^{10} - 15015 \times 2^{6-\frac{5m}{2}}x^3y^{10} + \\ 9009 \times 2^{7-\frac{3m}{2}}x^3y^{10} - 15015 \times 2^{6-\frac{m}{2}}x^3y^{10} + 2145 \times 2^{8+\frac{m}{2}}x^3y^{10} - 6435 \times 2^{5+\frac{3m}{2}}x^3y^{10} + \\ 715 \times 2^{6+\frac{5m}{2}}x^3y^{10} - 143 \times 2^{5+\frac{7m}{2}}x^3y^{10} + 39 \times 2^{5-\frac{13m}{2}}x^2y^{11} - 429 \times 2^{5-\frac{11m}{2}}x^2y^{11} + 2145 \times 2^{5-\frac{9m}{2}}x^2y^{11} - \\ 6435 \times 2^{5-\frac{7m}{2}}x^2y^{11} + 6435 \times 2^{6-\frac{5m}{2}}x^2y^{11} - 9009 \times 2^{6-\frac{3m}{2}}x^2y^{11} + 9009 \times 2^{6-\frac{m}{2}}x^2y^{11} - \\ 6435 \times 2^{6+\frac{m}{2}}x^2y^{11} + 6435 \times 2^{5+\frac{3m}{2}}x^2y^{11} - 2145 \times 2^{5+\frac{5m}{2}}x^2y^{11} + 429 \times 2^{5+\frac{7m}{2}}x^2y^{11} - 39 \times 2^{5+\frac{9m}{2}}x^2y^{11} - \\ 13 \times 2^{4-\frac{13m}{2}}xy^{12} + 39 \times 2^{6-\frac{11m}{2}}xy^{12} - 429 \times 2^{5-\frac{9m}{2}}xy^{12} + 715 \times 2^{6-\frac{7m}{2}}xy^{12} - 6435 \times 2^{4-\frac{5m}{2}}xy^{12} + \\ 1287 \times 2^{7-\frac{3m}{2}}xy^{12} - 3003 \times 2^{6-\frac{m}{2}}xy^{12} + 1287 \times 2^{7+\frac{m}{2}}xy^{12} - 6435 \times 2^{4+\frac{3m}{2}}xy^{12} + 715 \times 2^{6+\frac{5m}{2}}xy^{12} - \\ 429 \times 2^{5+\frac{7m}{2}}xy^{12} + 39 \times 2^{6+\frac{9m}{2}}xy^{12} - 13 \times 2^{4+\frac{11m}{2}}xy^{12} + 2^{4-\frac{13m}{2}}y^{13} - 13 \times 2^{4-\frac{11m}{2}}y^{13} + 39 \times 2^{5-\frac{9m}{2}}y^{13} - \\ 143 \times 2^{5-\frac{7m}{2}}y^{13} + 715 \times 2^{4-\frac{5m}{2}}y^{13} - 1287 \times 2^{4-\frac{3m}{2}}y^{13} + 429 \times 2^{6-\frac{m}{2}}y^{13} - 429 \times 2^{6+\frac{m}{2}}y^{13} + \\ 1287 \times 2^{4+\frac{3m}{2}}y^{13} - 715 \times 2^{4+\frac{5m}{2}}y^{13} + 143 \times 2^{5+\frac{7m}{2}}y^{13} - 39 \times 2^{5+\frac{9m}{2}}y^{13} + 13 \times 2^{4+\frac{11m}{2}}y^{13} - 2^{4+\frac{13m}{2}}y^{13}$$

$$Q^{II}_{\{4, 1, 4\}} = 16x^4 + 2^{4-2m}x^4 - 2^{6-2m}x^3y + 2^{6-m}x^3y + 96x^2y^2 + 3 \times 2^{5-2m}x^2y^2 - 3 \times 2^{6-m}x^2y^2 - \\ 192xy^3 - 2^{6-2m}xy^3 + 3 \times 2^{6-m}xy^3 + 2^{6+m}xy^3 + 96y^4 + 2^{4-2m}y^4 - 2^{6-m}y^4 - 2^{6+m}y^4 + 2^{4+2m}y^4$$

$$Q^{II}_{\{4, 2, 4\}} = \\ 2^{4-2m}x^4 + 16x^3y - 2^{6-2m}x^3y + 3 \times 2^{4-m}x^3y + 48x^2y^2 + 3 \times 2^{5-2m}x^2y^2 - 3 \times 2^{4-m}x^2y^2 - 3 \times 2^{5-m}x^2y^2 - \\ 96xy^3 - 2^{6-2m}xy^3 + 3 \times 2^{4-m}xy^3 + 3 \times 2^{5-m}xy^3 + 2^{4+m}xy^3 + 48y^4 + 2^{4-2m}y^4 - 3 \times 2^{4-m}y^4 - 2^{4+m}y^4$$

$$Q^{II}_{\{4, 3, 4\}} = 2^{4-2m}x^4 - 2^{6-2m}x^3y + 2^{5-m}x^3y + 32x^2y^2 + 2^{5-2m}x^2y^2 + 2^{6-2m}x^2y^2 - \\ 2^{5-m}x^2y^2 - 2^{6-m}x^2y^2 - 32xy^3 - 2^{6-2m}xy^3 + 2^{5-m}xy^3 + 2^{6-m}xy^3 + 16y^4 + 2^{4-2m}y^4 - 2^{5-m}y^4$$

$$\begin{aligned}
Q^{II}_{\{12, 1, 4\}} = & 16x^{12} + 2^{4-6m}x^{12} - 3 \times 2^{6-6m}x^{11}y + 3 \times 2^{6-5m}x^{11}y + 33 \times 2^{5-6m}x^{10}y^2 - \\
& 33 \times 2^{6-5m}x^{10}y^2 + 33 \times 2^{5-4m}x^{10}y^2 - 55 \times 2^{6-6m}x^9y^3 + 165 \times 2^{6-5m}x^9y^3 - 165 \times 2^{6-4m}x^9y^3 + \\
& 55 \times 2^{6-3m}x^9y^3 + 495 \times 2^{4-6m}x^8y^4 - 495 \times 2^{6-5m}x^8y^4 + 1485 \times 2^{5-4m}x^8y^4 - 495 \times 2^{6-3m}x^8y^4 + \\
& 495 \times 2^{4-2m}x^8y^4 - 99 \times 2^{7-6m}x^7y^5 + 495 \times 2^{7-5m}x^7y^5 - 495 \times 2^{8-4m}x^7y^5 + 495 \times 2^{8-3m}x^7y^5 - \\
& 495 \times 2^{7-2m}x^7y^5 + 99 \times 2^{7-m}x^7y^5 + 14784x^6y^6 + 231 \times 2^{6-6m}x^6y^6 - 693 \times 2^{7-5m}x^6y^6 + \\
& 3465 \times 2^{6-4m}x^6y^6 - 1155 \times 2^{8-3m}x^6y^6 + 3465 \times 2^{6-2m}x^6y^6 - 693 \times 2^{7-m}x^6y^6 - 88704x^5y^7 - \\
& 99 \times 2^{7-6m}x^5y^7 + 693 \times 2^{7-5m}x^5y^7 - 2079 \times 2^{7-4m}x^5y^7 + 3465 \times 2^{7-3m}x^5y^7 - 3465 \times 2^{7-2m}x^5y^7 + \\
& 2079 \times 2^{7-m}x^5y^7 + 99 \times 2^{7+m}x^5y^7 + 221760x^4y^8 + 495 \times 2^{4-6m}x^4y^8 - 495 \times 2^{7-5m}x^4y^8 + \\
& 3465 \times 2^{6-4m}x^4y^8 - 3465 \times 2^{7-3m}x^4y^8 + 17325 \times 2^{5-2m}x^4y^8 - 3465 \times 2^{7-m}x^4y^8 - 495 \times 2^{7+m}x^4y^8 + \\
& 495 \times 2^{4+2m}x^4y^8 - 295680x^3y^9 - 55 \times 2^{6-6m}x^3y^9 + 495 \times 2^{6-5m}x^3y^9 - 495 \times 2^{8-4m}x^3y^9 + \\
& 1155 \times 2^{8-3m}x^3y^9 - 3465 \times 2^{7-2m}x^3y^9 + 3465 \times 2^{7-m}x^3y^9 + 495 \times 2^{8+m}x^3y^9 - 495 \times 2^{6+2m}x^3y^9 + \\
& 55 \times 2^{6+3m}x^3y^9 + 221760x^2y^{10} + 33 \times 2^{5-6m}x^2y^{10} - 165 \times 2^{6-5m}x^2y^{10} + 1485 \times 2^{5-4m}x^2y^{10} - \\
& 495 \times 2^{8-3m}x^2y^{10} + 3465 \times 2^{6-2m}x^2y^{10} - 2079 \times 2^{7-m}x^2y^{10} - 495 \times 2^{8+m}x^2y^{10} + 1485 \times 2^{5+2m}x^2y^{10} - \\
& 165 \times 2^{6+3m}x^2y^{10} + 33 \times 2^{5+4m}x^2y^{10} - 88704xy^{11} - 3 \times 2^{6-6m}xy^{11} + 33 \times 2^{6-5m}xy^{11} - \\
& 165 \times 2^{6-4m}xy^{11} + 495 \times 2^{6-3m}xy^{11} - 495 \times 2^{7-2m}xy^{11} + 693 \times 2^{7-m}xy^{11} + 495 \times 2^{7+m}xy^{11} - \\
& 495 \times 2^{6+2m}xy^{11} + 165 \times 2^{6+3m}xy^{11} - 33 \times 2^{6+4m}xy^{11} + 3 \times 2^{6+5m}xy^{11} + 14784y^{12} + \\
& 2^{4-6m}y^{12} - 3 \times 2^{6-5m}y^{12} + 33 \times 2^{5-4m}y^{12} - 55 \times 2^{6-3m}y^{12} + 495 \times 2^{4-2m}y^{12} - 99 \times 2^{7-m}y^{12} - \\
& 99 \times 2^{7+m}y^{12} + 495 \times 2^{4+2m}y^{12} - 55 \times 2^{6+3m}y^{12} + 33 \times 2^{5+4m}y^{12} - 3 \times 2^{6+5m}y^{12} + 2^{4+6m}y^{12}
\end{aligned}$$

$$\begin{aligned}
Q^{II}_{\{3, 1, 5\}} = & 16x^3 - 2^{4-\frac{3m}{2}}x^3 + 3 \times 2^{4-\frac{3m}{2}}x^2y - 3 \times 2^{4-\frac{m}{2}}x^2y - \\
& 3 \times 2^{4-\frac{3m}{2}}xy^2 + 3 \times 2^{5-\frac{m}{2}}xy^2 - 3 \times 2^{4+\frac{m}{2}}xy^2 + 2^{4-\frac{3m}{2}}y^3 - 3 \times 2^{4-\frac{m}{2}}y^3 + 3 \times 2^{4+\frac{m}{2}}y^3 - 2^{4+\frac{3m}{2}}y^3
\end{aligned}$$

$$\begin{aligned}
Q^{II}_{\{3, 2, 5\}} = & -2^{4-\frac{3m}{2}}x^3 + 16x^2y + 2^{4-\frac{3m}{2}}x^2y + 2^{5-\frac{3m}{2}}x^2y - \\
& 2^{5-\frac{m}{2}}x^2y - 2^{4-\frac{3m}{2}}xy^2 - 2^{5-\frac{3m}{2}}xy^2 + 2^{6-\frac{m}{2}}xy^2 - 2^{4+\frac{m}{2}}xy^2 + 2^{4-\frac{3m}{2}}y^3 - 2^{5-\frac{m}{2}}y^3 + 2^{4+\frac{m}{2}}y^3
\end{aligned}$$

$$\begin{aligned}
Q^{II}_{\{11, 1, 5\}} = & 16x^{11} - 2^{4-\frac{11m}{2}}x^{11} + 11 \times 2^{4-\frac{11m}{2}}x^{10}y - 11 \times 2^{4-\frac{9m}{2}}x^{10}y - 55 \times 2^{4-\frac{11m}{2}}x^9y^2 + \\
& 55 \times 2^{5-\frac{9m}{2}}x^9y^2 - 55 \times 2^{4-\frac{7m}{2}}x^9y^2 + 165 \times 2^{4-\frac{11m}{2}}x^8y^3 - 495 \times 2^{4-\frac{9m}{2}}x^8y^3 + 495 \times 2^{4-\frac{7m}{2}}x^8y^3 - \\
& 165 \times 2^{4-\frac{5m}{2}}x^8y^3 - 165 \times 2^{5-\frac{11m}{2}}x^7y^4 + 165 \times 2^{7-\frac{9m}{2}}x^7y^4 - 495 \times 2^{6-\frac{7m}{2}}x^7y^4 + 165 \times 2^{7-\frac{5m}{2}}x^7y^4 - \\
& 165 \times 2^{5-\frac{3m}{2}}x^7y^4 + 231 \times 2^{5-\frac{11m}{2}}x^6y^5 - 1155 \times 2^{5-\frac{9m}{2}}x^6y^5 + 1155 \times 2^{6-\frac{7m}{2}}x^6y^5 - 1155 \times 2^{6-\frac{5m}{2}}x^6y^5 + \\
& 1155 \times 2^{5-\frac{3m}{2}}x^6y^5 - 231 \times 2^{5-\frac{m}{2}}x^6y^5 - 231 \times 2^{5-\frac{11m}{2}}x^5y^6 + 693 \times 2^{6-\frac{9m}{2}}x^5y^6 - 3465 \times 2^{5-\frac{7m}{2}}x^5y^6 + \\
& 1155 \times 2^{7-\frac{5m}{2}}x^5y^6 - 3465 \times 2^{5-\frac{3m}{2}}x^5y^6 + 693 \times 2^{6-\frac{m}{2}}x^5y^6 - 231 \times 2^{5+\frac{m}{2}}x^5y^6 + 165 \times 2^{5-\frac{11m}{2}}x^4y^7 - \\
& 1155 \times 2^{5-\frac{9m}{2}}x^4y^7 + 3465 \times 2^{5-\frac{7m}{2}}x^4y^7 - 5775 \times 2^{5-\frac{5m}{2}}x^4y^7 + 5775 \times 2^{5-\frac{3m}{2}}x^4y^7 - \\
& 3465 \times 2^{5-\frac{m}{2}}x^4y^7 + 1155 \times 2^{5+\frac{m}{2}}x^4y^7 - 165 \times 2^{5+\frac{3m}{2}}x^4y^7 - 165 \times 2^{4-\frac{11m}{2}}x^3y^8 + 165 \times 2^{7-\frac{9m}{2}}x^3y^8 - \\
& 1155 \times 2^{6-\frac{7m}{2}}x^3y^8 + 1155 \times 2^{7-\frac{5m}{2}}x^3y^8 - 5775 \times 2^{5-\frac{3m}{2}}x^3y^8 + 1155 \times 2^{7-\frac{m}{2}}x^3y^8 - \\
& 1155 \times 2^{6+\frac{m}{2}}x^3y^8 + 165 \times 2^{7+\frac{3m}{2}}x^3y^8 - 165 \times 2^{4+\frac{5m}{2}}x^3y^8 + 55 \times 2^{4-\frac{11m}{2}}x^2y^9 - 495 \times 2^{4-\frac{9m}{2}}x^2y^9 + \\
& 495 \times 2^{6-\frac{7m}{2}}x^2y^9 - 1155 \times 2^{6-\frac{5m}{2}}x^2y^9 + 3465 \times 2^{5-\frac{3m}{2}}x^2y^9 - 3465 \times 2^{5-\frac{m}{2}}x^2y^9 + \\
& 1155 \times 2^{6+\frac{m}{2}}x^2y^9 - 495 \times 2^{6+\frac{3m}{2}}x^2y^9 + 495 \times 2^{4+\frac{5m}{2}}x^2y^9 - 55 \times 2^{4+\frac{7m}{2}}x^2y^9 - 11 \times 2^{4-\frac{11m}{2}}xy^{10} + \\
& 55 \times 2^{5-\frac{9m}{2}}xy^{10} - 495 \times 2^{4-\frac{7m}{2}}xy^{10} + 165 \times 2^{7-\frac{5m}{2}}xy^{10} - 1155 \times 2^{5-\frac{3m}{2}}xy^{10} + 693 \times 2^{6-\frac{m}{2}}xy^{10} - \\
& 1155 \times 2^{5+\frac{m}{2}}xy^{10} + 165 \times 2^{7+\frac{3m}{2}}xy^{10} - 495 \times 2^{4+\frac{5m}{2}}xy^{10} + 55 \times 2^{5+\frac{7m}{2}}xy^{10} - 11 \times 2^{4+\frac{9m}{2}}xy^{10} + \\
& 2^{4-\frac{11m}{2}}y^{11} - 11 \times 2^{4-\frac{9m}{2}}y^{11} + 55 \times 2^{4-\frac{7m}{2}}y^{11} - 165 \times 2^{4-\frac{5m}{2}}y^{11} + 165 \times 2^{5-\frac{3m}{2}}y^{11} - 231 \times 2^{5-\frac{m}{2}}y^{11} + \\
& 231 \times 2^{5+\frac{m}{2}}y^{11} - 165 \times 2^{5+\frac{3m}{2}}y^{11} + 165 \times 2^{4+\frac{5m}{2}}y^{11} - 55 \times 2^{4+\frac{7m}{2}}y^{11} + 11 \times 2^{4+\frac{9m}{2}}y^{11} - 2^{4+\frac{11m}{2}}y^{11}
\end{aligned}$$

$$\begin{aligned}
Q^{II}_{\{11, 2, 5\}} = & -2^{4-\frac{11m}{2}} x^{11} + 16 x^{10} y + 3 \times 2^{4-\frac{11m}{2}} x^{10} y + 2^{7-\frac{11m}{2}} x^{10} y - 5 \times 2^{5-\frac{9m}{2}} x^{10} y - \\
& 25 \times 2^{4-\frac{11m}{2}} x^9 y^2 - 15 \times 2^{5-\frac{11m}{2}} x^9 y^2 + 25 \times 2^{6-\frac{9m}{2}} x^9 y^2 - 45 \times 2^{4-\frac{7m}{2}} x^9 y^2 + 45 \times 2^{4-\frac{11m}{2}} x^8 y^3 + \\
& 15 \times 2^{7-\frac{11m}{2}} x^8 y^3 - 45 \times 2^{5-\frac{9m}{2}} x^8 y^3 - 45 \times 2^{7-\frac{9m}{2}} x^8 y^3 + 45 \times 2^{4-\frac{7m}{2}} x^8 y^3 + 45 \times 2^{7-\frac{7m}{2}} x^8 y^3 - \\
& 15 \times 2^{7-\frac{5m}{2}} x^8 y^3 - 15 \times 2^{5-\frac{11m}{2}} x^7 y^4 - 15 \times 2^{6-\frac{11m}{2}} x^7 y^4 - 15 \times 2^{8-\frac{11m}{2}} x^7 y^4 + 75 \times 2^{8-\frac{9m}{2}} x^7 y^4 - \\
& 45 \times 2^{6-\frac{7m}{2}} x^7 y^4 - 45 \times 2^{9-\frac{7m}{2}} x^7 y^4 + 15 \times 2^{10-\frac{5m}{2}} x^7 y^4 - 105 \times 2^{5-\frac{3m}{2}} x^7 y^4 + 63 \times 2^{5-\frac{11m}{2}} x^6 y^5 + \\
& 21 \times 2^{8-\frac{11m}{2}} x^6 y^5 - 105 \times 2^{6-\frac{9m}{2}} x^6 y^5 - 105 \times 2^{8-\frac{9m}{2}} x^6 y^5 + 315 \times 2^{6-\frac{7m}{2}} x^6 y^5 + 315 \times 2^{7-\frac{7m}{2}} x^6 y^5 - \\
& 105 \times 2^{9-\frac{5m}{2}} x^6 y^5 + 105 \times 2^{5-\frac{3m}{2}} x^6 y^5 + 105 \times 2^{6-\frac{3m}{2}} x^6 y^5 + 105 \times 2^{7-\frac{3m}{2}} x^6 y^5 - 63 \times 2^{6-\frac{m}{2}} x^6 y^5 - \\
& 63 \times 2^{5-\frac{11m}{2}} x^5 y^6 - 21 \times 2^{8-\frac{11m}{2}} x^5 y^6 + 315 \times 2^{7-\frac{9m}{2}} x^5 y^6 - 945 \times 2^{5-\frac{7m}{2}} x^5 y^6 - 315 \times 2^{6-\frac{7m}{2}} x^5 y^6 - \\
& 315 \times 2^{7-\frac{7m}{2}} x^5 y^6 + 105 \times 2^{10-\frac{5m}{2}} x^5 y^6 - 1575 \times 2^{5-\frac{3m}{2}} x^5 y^6 - 315 \times 2^{6-\frac{3m}{2}} x^5 y^6 + 189 \times 2^{7-\frac{m}{2}} x^5 y^6 - \\
& 105 \times 2^{5+\frac{m}{2}} x^5 y^6 + 15 \times 2^{5-\frac{11m}{2}} x^4 y^7 + 15 \times 2^{6-\frac{11m}{2}} x^4 y^7 + 15 \times 2^{8-\frac{11m}{2}} x^4 y^7 - 105 \times 2^{6-\frac{9m}{2}} x^4 y^7 - \\
& 105 \times 2^{8-\frac{9m}{2}} x^4 y^7 + 945 \times 2^{5-\frac{7m}{2}} x^4 y^7 + 315 \times 2^{6-\frac{7m}{2}} x^4 y^7 + 315 \times 2^{7-\frac{7m}{2}} x^4 y^7 - 525 \times 2^{8-\frac{5m}{2}} x^4 y^7 + \\
& 525 \times 2^{5-\frac{3m}{2}} x^4 y^7 + 525 \times 2^{6-\frac{3m}{2}} x^4 y^7 + 525 \times 2^{7-\frac{3m}{2}} x^4 y^7 - 315 \times 2^{6-\frac{m}{2}} x^4 y^7 - 315 \times 2^{7-\frac{m}{2}} x^4 y^7 + \\
& 105 \times 2^{5+\frac{m}{2}} x^4 y^7 + 105 \times 2^{7+\frac{m}{2}} x^4 y^7 - 15 \times 2^{7+\frac{3m}{2}} x^4 y^7 - 45 \times 2^{4-\frac{11m}{2}} x^3 y^8 - 15 \times 2^{7-\frac{11m}{2}} x^3 y^8 + \\
& 75 \times 2^{8-\frac{9m}{2}} x^3 y^8 - 315 \times 2^{6-\frac{7m}{2}} x^3 y^8 - 315 \times 2^{7-\frac{7m}{2}} x^3 y^8 + 105 \times 2^{10-\frac{5m}{2}} x^3 y^8 - 525 \times 2^{5-\frac{3m}{2}} x^3 y^8 - \\
& 525 \times 2^{6-\frac{3m}{2}} x^3 y^8 - 525 \times 2^{7-\frac{3m}{2}} x^3 y^8 + 315 \times 2^{8-\frac{m}{2}} x^3 y^8 - 105 \times 2^{6+\frac{m}{2}} x^3 y^8 - 105 \times 2^{8+\frac{m}{2}} x^3 y^8 + \\
& 15 \times 2^{9+\frac{3m}{2}} x^3 y^8 - 45 \times 2^{4+\frac{5m}{2}} x^3 y^8 + 25 \times 2^{4-\frac{11m}{2}} x^2 y^9 + 15 \times 2^{5-\frac{11m}{2}} x^2 y^9 - 45 \times 2^{5-\frac{9m}{2}} x^2 y^9 - \\
& 45 \times 2^{7-\frac{9m}{2}} x^2 y^9 + 45 \times 2^{6-\frac{7m}{2}} x^2 y^9 + 45 \times 2^{9-\frac{7m}{2}} x^2 y^9 - 105 \times 2^{9-\frac{5m}{2}} x^2 y^9 + 1575 \times 2^{5-\frac{3m}{2}} x^2 y^9 + \\
& 315 \times 2^{6-\frac{3m}{2}} x^2 y^9 - 315 \times 2^{6-\frac{m}{2}} x^2 y^9 - 315 \times 2^{7-\frac{m}{2}} x^2 y^9 + 105 \times 2^{6+\frac{m}{2}} x^2 y^9 + 105 \times 2^{8+\frac{m}{2}} x^2 y^9 - \\
& 45 \times 2^{8+\frac{3m}{2}} x^2 y^9 + 45 \times 2^{4+\frac{5m}{2}} x^2 y^9 + 45 \times 2^{5+\frac{5m}{2}} x^2 y^9 - 5 \times 2^{5+\frac{7m}{2}} x^2 y^9 - 3 \times 2^{4-\frac{11m}{2}} x y^{10} - \\
& 2^{7-\frac{11m}{2}} x y^{10} + 25 \times 2^{6-\frac{9m}{2}} x y^{10} - 45 \times 2^{4-\frac{7m}{2}} x y^{10} - 45 \times 2^{7-\frac{7m}{2}} x y^{10} + 15 \times 2^{10-\frac{5m}{2}} x y^{10} - \\
& 105 \times 2^{5-\frac{3m}{2}} x y^{10} - 105 \times 2^{6-\frac{3m}{2}} x y^{10} - 105 \times 2^{7-\frac{3m}{2}} x y^{10} + 189 \times 2^{7-\frac{m}{2}} x y^{10} - 105 \times 2^{5+\frac{m}{2}} x y^{10} - \\
& 105 \times 2^{7+\frac{m}{2}} x y^{10} + 15 \times 2^{9+\frac{3m}{2}} x y^{10} - 45 \times 2^{4+\frac{5m}{2}} x y^{10} - 45 \times 2^{5+\frac{5m}{2}} x y^{10} + 5 \times 2^{6+\frac{7m}{2}} x y^{10} - \\
& 2^{4+\frac{9m}{2}} x y^{10} + 2^{4-\frac{11m}{2}} y^{11} - 5 \times 2^{5-\frac{9m}{2}} y^{11} + 45 \times 2^{4-\frac{7m}{2}} y^{11} - 15 \times 2^{7-\frac{5m}{2}} y^{11} + 105 \times 2^{5-\frac{3m}{2}} y^{11} - \\
& 63 \times 2^{6-\frac{m}{2}} y^{11} + 105 \times 2^{5+\frac{m}{2}} y^{11} - 15 \times 2^{7+\frac{3m}{2}} y^{11} + 45 \times 2^{4+\frac{5m}{2}} y^{11} - 5 \times 2^{5+\frac{7m}{2}} y^{11} + 2^{4+\frac{9m}{2}} y^{11}
\end{aligned}$$

$$Q^{II}_{\{2, 1, 6\}} = 16 x^2 + 2^{4-m} x^2 + 32 x y - 2^{5-m} x y - 32 y^2 + 2^{4-m} y^2 + 2^{4+m} y^2$$

$$Q^{II}_{\{2, 2, 6\}} = 2^{4-m} x^2 + 32 x y - 2^{5-m} x y - 16 y^2 + 2^{4-m} y^2$$

$$\begin{aligned}
Q^{II}_{\{10, 1, 6\}} = & 16 x^{10} + 2^{4-5m} x^{10} - 5 \times 2^{5-5m} x^9 y + 5 \times 2^{5-4m} x^9 y + 45 \times 2^{4-5m} x^8 y^2 - \\
& 45 \times 2^{5-4m} x^8 y^2 + 45 \times 2^{4-3m} x^8 y^2 - 15 \times 2^{7-5m} x^7 y^3 + 45 \times 2^{7-4m} x^7 y^3 - 45 \times 2^{7-3m} x^7 y^3 + \\
& 15 \times 2^{7-2m} x^7 y^3 + 105 \times 2^{5-5m} x^6 y^4 - 105 \times 2^{7-4m} x^6 y^4 + 315 \times 2^{6-3m} x^6 y^4 - 105 \times 2^{7-2m} x^6 y^4 + \\
& 105 \times 2^{5-m} x^6 y^4 + 4032 x^5 y^5 - 63 \times 2^{6-5m} x^5 y^5 + 315 \times 2^{6-4m} x^5 y^5 - 315 \times 2^{7-3m} x^5 y^5 + \\
& 315 \times 2^{7-2m} x^5 y^5 - 315 \times 2^{6-m} x^5 y^5 - 20160 x^4 y^6 + 105 \times 2^{5-5m} x^4 y^6 - 315 \times 2^{6-4m} x^4 y^6 + \\
& 1575 \times 2^{5-3m} x^4 y^6 - 525 \times 2^{7-2m} x^4 y^6 + 1575 \times 2^{5-m} x^4 y^6 + 105 \times 2^{5+m} x^4 y^6 + 40320 x^3 y^7 - \\
& 15 \times 2^{7-5m} x^3 y^7 + 105 \times 2^{7-4m} x^3 y^7 - 315 \times 2^{7-3m} x^3 y^7 + 525 \times 2^{7-2m} x^3 y^7 - 525 \times 2^{7-m} x^3 y^7 - \\
& 105 \times 2^{7+m} x^3 y^7 + 15 \times 2^{7+2m} x^3 y^7 - 40320 x^2 y^8 + 45 \times 2^{4-5m} x^2 y^8 - 45 \times 2^{7-4m} x^2 y^8 + \\
& 315 \times 2^{6-3m} x^2 y^8 - 315 \times 2^{7-2m} x^2 y^8 + 1575 \times 2^{5-m} x^2 y^8 + 315 \times 2^{6+m} x^2 y^8 - 45 \times 2^{7+2m} x^2 y^8 + \\
& 45 \times 2^{4+3m} x^2 y^8 + 20160 x y^9 - 5 \times 2^{5-5m} x y^9 + 45 \times 2^{5-4m} x y^9 - 45 \times 2^{7-3m} x y^9 + \\
& 105 \times 2^{7-2m} x y^9 - 315 \times 2^{6-m} x y^9 - 105 \times 2^{7+m} x y^9 + 45 \times 2^{7+2m} x y^9 - 45 \times 2^{5+3m} x y^9 + \\
& 5 \times 2^{5+4m} x y^9 - 4032 y^{10} + 2^{4-5m} y^{10} - 5 \times 2^{5-4m} y^{10} + 45 \times 2^{4-3m} y^{10} - 15 \times 2^{7-2m} y^{10} + \\
& 105 \times 2^{5-m} y^{10} + 105 \times 2^{5+m} y^{10} - 15 \times 2^{7+2m} y^{10} + 45 \times 2^{4+3m} y^{10} - 5 \times 2^{5+4m} y^{10} + 2^{4+5m} y^{10}
\end{aligned}$$

$$\begin{aligned}
Q^{II}_{\{10, 2, 6\}} = & 2^{4-5m} x^{10} + 16 x^9 y - 5 \times 2^{5-5m} x^9 y + 9 \times 2^{4-4m} x^9 y + 9 \times 2^{4-5m} x^8 y^2 + 9 \times 2^{6-5m} x^8 y^2 - \\
& 9 \times 2^{4-4m} x^8 y^2 - 9 \times 2^{7-4m} x^8 y^2 + 9 \times 2^{6-3m} x^8 y^2 - 15 \times 2^{7-5m} x^7 y^3 + 9 \times 2^{6-4m} x^7 y^3 + 9 \times 2^{9-4m} x^7 y^3 - \\
& 9 \times 2^{9-3m} x^7 y^3 + 21 \times 2^{6-2m} x^7 y^3 + 21 \times 2^{5-5m} x^6 y^4 + 21 \times 2^{7-5m} x^6 y^4 - 63 \times 2^{6-4m} x^6 y^4 - \\
& 63 \times 2^{7-4m} x^6 y^4 + 63 \times 2^{8-3m} x^6 y^4 - 21 \times 2^{6-2m} x^6 y^4 - 21 \times 2^{7-2m} x^6 y^4 - 21 \times 2^{8-2m} x^6 y^4 + \\
& 63 \times 2^{5-m} x^6 y^4 + 2016 x^5 y^5 - 63 \times 2^{6-5m} x^5 y^5 + 189 \times 2^{5-4m} x^5 y^5 + 63 \times 2^{6-4m} x^5 y^5 + 63 \times 2^{7-4m} x^5 y^5 - \\
& 63 \times 2^{9-3m} x^5 y^5 + 315 \times 2^{6-2m} x^5 y^5 + 63 \times 2^{7-2m} x^5 y^5 - 189 \times 2^{6-m} x^5 y^5 - 10080 x^4 y^6 + \\
& 21 \times 2^{5-5m} x^4 y^6 + 21 \times 2^{7-5m} x^4 y^6 - 189 \times 2^{5-4m} x^4 y^6 - 63 \times 2^{6-4m} x^4 y^6 - 63 \times 2^{7-4m} x^4 y^6 + \\
& 315 \times 2^{7-3m} x^4 y^6 - 105 \times 2^{6-2m} x^4 y^6 - 105 \times 2^{7-2m} x^4 y^6 - 105 \times 2^{8-2m} x^4 y^6 + 315 \times 2^{5-m} x^4 y^6 + \\
& 315 \times 2^{6-m} x^4 y^6 + 21 \times 2^{6+m} x^4 y^6 + 20160 x^3 y^7 - 15 \times 2^{7-5m} x^3 y^7 + 63 \times 2^{6-4m} x^3 y^7 + \\
& 63 \times 2^{7-4m} x^3 y^7 - 63 \times 2^{9-3m} x^3 y^7 + 105 \times 2^{6-2m} x^3 y^7 + 105 \times 2^{7-2m} x^3 y^7 + 105 \times 2^{8-2m} x^3 y^7 - \\
& 315 \times 2^{7-m} x^3 y^7 - 21 \times 2^{8+m} x^3 y^7 + 9 \times 2^{6+2m} x^3 y^7 - 20160 x^2 y^8 + 9 \times 2^{4-5m} x^2 y^8 + 9 \times 2^{6-5m} x^2 y^8 - \\
& 9 \times 2^{6-4m} x^2 y^8 - 9 \times 2^{9-4m} x^2 y^8 + 63 \times 2^{8-3m} x^2 y^8 - 315 \times 2^{6-2m} x^2 y^8 - 63 \times 2^{7-2m} x^2 y^8 + \\
& 315 \times 2^{5-m} x^2 y^8 + 315 \times 2^{6-m} x^2 y^8 + 63 \times 2^{7+m} x^2 y^8 - 9 \times 2^{6+2m} x^2 y^8 - 9 \times 2^{7+2m} x^2 y^8 + \\
& 9 \times 2^{4+3m} x^2 y^8 + 10080 x y^9 - 5 \times 2^{5-5m} x y^9 + 9 \times 2^{4-4m} x y^9 + 9 \times 2^{7-4m} x y^9 - 9 \times 2^{9-3m} x y^9 + \\
& 21 \times 2^{6-2m} x y^9 + 21 \times 2^{7-2m} x y^9 + 21 \times 2^{8-2m} x y^9 - 189 \times 2^{6-m} x y^9 - 21 \times 2^{8+m} x y^9 + 9 \times 2^{6+2m} x y^9 + \\
& 9 \times 2^{7+2m} x y^9 - 9 \times 2^{5+3m} x y^9 + 2^{4+4m} x y^9 - 2016 y^{10} + 2^{4-5m} y^{10} - 9 \times 2^{4-4m} y^{10} + 9 \times 2^{6-3m} y^{10} - \\
& 21 \times 2^{6-2m} y^{10} + 63 \times 2^{5-m} y^{10} + 21 \times 2^{6+m} y^{10} - 9 \times 2^{6+2m} y^{10} + 9 \times 2^{4+3m} y^{10} - 2^{4+4m} y^{10}
\end{aligned}$$

$$Q^{II}_{\{1, 1, 7\}} = 16 x - 2^{4-\frac{m}{2}} x + 2^{4-\frac{m}{2}} y - 2^{4+\frac{m}{2}} y$$

$$\begin{aligned}
Q^{II}_{\{9, 1, 7\}} = & 16 x^9 - 2^{4-\frac{9m}{2}} x^9 + 9 \times 2^{4-\frac{9m}{2}} x^8 y - 9 \times 2^{4-\frac{7m}{2}} x^8 y - 9 \times 2^{6-\frac{9m}{2}} x^7 y^2 + 9 \times 2^{7-\frac{7m}{2}} x^7 y^2 - \\
& 9 \times 2^{6-\frac{5m}{2}} x^7 y^2 + 21 \times 2^{6-\frac{9m}{2}} x^6 y^3 - 63 \times 2^{6-\frac{7m}{2}} x^6 y^3 + 63 \times 2^{6-\frac{5m}{2}} x^6 y^3 - 21 \times 2^{6-\frac{3m}{2}} x^6 y^3 - \\
& 63 \times 2^{5-\frac{9m}{2}} x^5 y^4 + 63 \times 2^{7-\frac{7m}{2}} x^5 y^4 - 189 \times 2^{6-\frac{5m}{2}} x^5 y^4 + 63 \times 2^{7-\frac{3m}{2}} x^5 y^4 - 63 \times 2^{5-\frac{m}{2}} x^5 y^4 + \\
& 63 \times 2^{5-\frac{9m}{2}} x^4 y^5 - 315 \times 2^{5-\frac{7m}{2}} x^4 y^5 + 315 \times 2^{6-\frac{5m}{2}} x^4 y^5 - 315 \times 2^{6-\frac{3m}{2}} x^4 y^5 + 315 \times 2^{5-\frac{m}{2}} x^4 y^5 - \\
& 63 \times 2^{5+\frac{m}{2}} x^4 y^5 - 21 \times 2^{6-\frac{9m}{2}} x^3 y^6 + 63 \times 2^{7-\frac{7m}{2}} x^3 y^6 - 315 \times 2^{6-\frac{5m}{2}} x^3 y^6 + 105 \times 2^{8-\frac{3m}{2}} x^3 y^6 - \\
& 315 \times 2^{6-\frac{m}{2}} x^3 y^6 + 63 \times 2^{7+\frac{m}{2}} x^3 y^6 - 21 \times 2^{6+\frac{3m}{2}} x^3 y^6 + 9 \times 2^{6-\frac{9m}{2}} x^2 y^7 - 63 \times 2^{6-\frac{7m}{2}} x^2 y^7 + \\
& 189 \times 2^{6-\frac{5m}{2}} x^2 y^7 - 315 \times 2^{6-\frac{3m}{2}} x^2 y^7 + 315 \times 2^{6-\frac{m}{2}} x^2 y^7 - 189 \times 2^{6+\frac{m}{2}} x^2 y^7 + 63 \times 2^{6+\frac{3m}{2}} x^2 y^7 - \\
& 9 \times 2^{6+\frac{5m}{2}} x^2 y^7 - 9 \times 2^{4-\frac{9m}{2}} x y^8 + 9 \times 2^{7-\frac{7m}{2}} x y^8 - 63 \times 2^{6-\frac{5m}{2}} x y^8 + 63 \times 2^{7-\frac{3m}{2}} x y^8 - 315 \times 2^{5-\frac{m}{2}} x y^8 + \\
& 63 \times 2^{7+\frac{m}{2}} x y^8 - 63 \times 2^{6+\frac{3m}{2}} x y^8 + 9 \times 2^{7+\frac{5m}{2}} x y^8 - 9 \times 2^{4+\frac{7m}{2}} x y^8 + 2^{4-\frac{9m}{2}} y^9 - 9 \times 2^{4-\frac{7m}{2}} y^9 + 9 \times 2^{6-\frac{5m}{2}} y^9 - \\
& 21 \times 2^{6-\frac{3m}{2}} y^9 + 63 \times 2^{5-\frac{m}{2}} y^9 - 63 \times 2^{5+\frac{m}{2}} y^9 + 21 \times 2^{6+\frac{3m}{2}} y^9 - 9 \times 2^{6+\frac{5m}{2}} y^9 + 9 \times 2^{4+\frac{7m}{2}} y^9 - 2^{4+\frac{9m}{2}} y^9
\end{aligned}$$

$$\begin{aligned}
Q^{II}_{\{9, 2, 7\}} = & -2^{4-\frac{9m}{2}}x^9 + 16x^8y + 2^{4-\frac{9m}{2}}x^8y + 2^{7-\frac{9m}{2}}x^8y - 2^{7-\frac{7m}{2}}x^8y - 2^{6-\frac{9m}{2}}x^7y^2 - 2^{9-\frac{9m}{2}}x^7y^2 + \\
& 2^{10-\frac{7m}{2}}x^7y^2 - 7 \times 2^{6-\frac{5m}{2}}x^7y^2 + 7 \times 2^{6-\frac{9m}{2}}x^6y^3 + 7 \times 2^{7-\frac{9m}{2}}x^6y^3 - 7 \times 2^{9-\frac{7m}{2}}x^6y^3 + 7 \times 2^{6-\frac{5m}{2}}x^6y^3 + \\
& 7 \times 2^{7-\frac{5m}{2}}x^6y^3 + 7 \times 2^{8-\frac{5m}{2}}x^6y^3 - 7 \times 2^{7-\frac{3m}{2}}x^6y^3 - 21 \times 2^{5-\frac{9m}{2}}x^5y^4 - 7 \times 2^{6-\frac{9m}{2}}x^5y^4 - 7 \times 2^{7-\frac{9m}{2}}x^5y^4 + \\
& 7 \times 2^{10-\frac{7m}{2}}x^5y^4 - 105 \times 2^{6-\frac{5m}{2}}x^5y^4 - 21 \times 2^{7-\frac{5m}{2}}x^5y^4 + 21 \times 2^{8-\frac{3m}{2}}x^5y^4 - 35 \times 2^{5-\frac{m}{2}}x^5y^4 + \\
& 21 \times 2^{5-\frac{9m}{2}}x^4y^5 + 7 \times 2^{6-\frac{9m}{2}}x^4y^5 + 7 \times 2^{7-\frac{9m}{2}}x^4y^5 - 35 \times 2^{8-\frac{7m}{2}}x^4y^5 + 35 \times 2^{6-\frac{5m}{2}}x^4y^5 + \\
& 35 \times 2^{7-\frac{5m}{2}}x^4y^5 + 35 \times 2^{8-\frac{5m}{2}}x^4y^5 - 35 \times 2^{7-\frac{3m}{2}}x^4y^5 - 35 \times 2^{8-\frac{3m}{2}}x^4y^5 + 35 \times 2^{5-\frac{m}{2}}x^4y^5 + \\
& 35 \times 2^{7-\frac{m}{2}}x^4y^5 - 7 \times 2^{7+\frac{m}{2}}x^4y^5 - 7 \times 2^{6-\frac{9m}{2}}x^3y^6 - 7 \times 2^{7-\frac{9m}{2}}x^3y^6 + 7 \times 2^{10-\frac{7m}{2}}x^3y^6 - 35 \times 2^{6-\frac{5m}{2}}x^3y^6 - \\
& 35 \times 2^{7-\frac{5m}{2}}x^3y^6 - 35 \times 2^{8-\frac{5m}{2}}x^3y^6 + 35 \times 2^{9-\frac{3m}{2}}x^3y^6 - 35 \times 2^{6-\frac{m}{2}}x^3y^6 - 35 \times 2^{8-\frac{m}{2}}x^3y^6 + \\
& 7 \times 2^{9+\frac{m}{2}}x^3y^6 - 7 \times 2^{6+\frac{3m}{2}}x^3y^6 + 2^{6-\frac{9m}{2}}x^2y^7 + 2^{9-\frac{9m}{2}}x^2y^7 - 7 \times 2^{9-\frac{7m}{2}}x^2y^7 + 105 \times 2^{6-\frac{5m}{2}}x^2y^7 + \\
& 21 \times 2^{7-\frac{5m}{2}}x^2y^7 - 35 \times 2^{7-\frac{3m}{2}}x^2y^7 - 35 \times 2^{8-\frac{3m}{2}}x^2y^7 + 35 \times 2^{6-\frac{m}{2}}x^2y^7 + 35 \times 2^{8-\frac{m}{2}}x^2y^7 - \\
& 21 \times 2^{8+\frac{m}{2}}x^2y^7 + 7 \times 2^{6+\frac{3m}{2}}x^2y^7 + 7 \times 2^{7+\frac{3m}{2}}x^2y^7 - 2^{7+\frac{5m}{2}}x^2y^7 - 2^{4-\frac{9m}{2}}xy^8 - 2^{7-\frac{9m}{2}}xy^8 + \\
& 2^{10-\frac{7m}{2}}xy^8 - 7 \times 2^{6-\frac{5m}{2}}xy^8 - 7 \times 2^{7-\frac{5m}{2}}xy^8 - 7 \times 2^{8-\frac{5m}{2}}xy^8 + 21 \times 2^{8-\frac{3m}{2}}xy^8 - 35 \times 2^{5-\frac{m}{2}}xy^8 - \\
& 35 \times 2^{7-\frac{m}{2}}xy^8 + 7 \times 2^{9+\frac{m}{2}}xy^8 - 7 \times 2^{6+\frac{3m}{2}}xy^8 - 7 \times 2^{7+\frac{3m}{2}}xy^8 + 2^{8+\frac{5m}{2}}xy^8 - 2^{4+\frac{7m}{2}}xy^8 + 2^{4-\frac{9m}{2}}y^9 - \\
& 2^{7-\frac{7m}{2}}y^9 + 7 \times 2^{6-\frac{5m}{2}}y^9 - 7 \times 2^{7-\frac{3m}{2}}y^9 + 35 \times 2^{5-\frac{m}{2}}y^9 - 7 \times 2^{7+\frac{m}{2}}y^9 + 7 \times 2^{6+\frac{3m}{2}}y^9 - 2^{7+\frac{5m}{2}}y^9 + 2^{4+\frac{7m}{2}}y^9
\end{aligned}$$

$$\begin{aligned}
Q^{II}_{\{9, 3, 7\}} = & -2^{4-\frac{9m}{2}}x^9 + 2^{4-\frac{9m}{2}}x^8y + 2^{7-\frac{9m}{2}}x^8y - 7 \times 2^{4-\frac{7m}{2}}x^8y + 16x^7y^2 - 9 \times 2^{6-\frac{9m}{2}}x^7y^2 + \\
& 7 \times 2^{7-\frac{7m}{2}}x^7y^2 - 21 \times 2^{4-\frac{5m}{2}}x^7y^2 + 21 \times 2^{6-\frac{9m}{2}}x^6y^3 - 7 \times 2^{6-\frac{7m}{2}}x^6y^3 - 7 \times 2^{7-\frac{7m}{2}}x^6y^3 - 7 \times 2^{8-\frac{7m}{2}}x^6y^3 + \\
& 63 \times 2^{4-\frac{5m}{2}}x^6y^3 + 21 \times 2^{6-\frac{5m}{2}}x^6y^3 - 35 \times 2^{4-\frac{3m}{2}}x^6y^3 - 21 \times 2^{5-\frac{9m}{2}}x^5y^4 - 7 \times 2^{6-\frac{9m}{2}}x^5y^4 - \\
& 7 \times 2^{7-\frac{9m}{2}}x^5y^4 + 49 \times 2^{7-\frac{7m}{2}}x^5y^4 - 21 \times 2^{4-\frac{5m}{2}}x^5y^4 - 105 \times 2^{6-\frac{5m}{2}}x^5y^4 + 35 \times 2^{5-\frac{3m}{2}}x^5y^4 + \\
& 35 \times 2^{6-\frac{3m}{2}}x^5y^4 - 35 \times 2^{4-\frac{m}{2}}x^5y^4 + 21 \times 2^{5-\frac{9m}{2}}x^4y^5 + 7 \times 2^{6-\frac{9m}{2}}x^4y^5 + 7 \times 2^{7-\frac{9m}{2}}x^4y^5 - 35 \times 2^{5-\frac{7m}{2}}x^4y^5 - \\
& 35 \times 2^{6-\frac{7m}{2}}x^4y^5 - 35 \times 2^{7-\frac{7m}{2}}x^4y^5 + 105 \times 2^{4-\frac{5m}{2}}x^4y^5 + 315 \times 2^{5-\frac{5m}{2}}x^4y^5 - 105 \times 2^{4-\frac{3m}{2}}x^4y^5 - \\
& 35 \times 2^{6-\frac{3m}{2}}x^4y^5 - 35 \times 2^{7-\frac{3m}{2}}x^4y^5 + 35 \times 2^{4-\frac{m}{2}}x^4y^5 + 35 \times 2^{6-\frac{m}{2}}x^4y^5 - 21 \times 2^{4+\frac{m}{2}}x^4y^5 - \\
& 21 \times 2^{6-\frac{9m}{2}}x^3y^6 + 49 \times 2^{7-\frac{7m}{2}}x^3y^6 - 105 \times 2^{4-\frac{5m}{2}}x^3y^6 - 315 \times 2^{5-\frac{5m}{2}}x^3y^6 + 35 \times 2^{6-\frac{3m}{2}}x^3y^6 + \\
& 35 \times 2^{8-\frac{3m}{2}}x^3y^6 - 35 \times 2^{5-\frac{m}{2}}x^3y^6 - 35 \times 2^{7-\frac{m}{2}}x^3y^6 + 21 \times 2^{6+\frac{m}{2}}x^3y^6 - 7 \times 2^{4+\frac{3m}{2}}x^3y^6 + 9 \times 2^{6-\frac{9m}{2}}x^2y^7 - \\
& 7 \times 2^{6-\frac{7m}{2}}x^2y^7 - 7 \times 2^{7-\frac{7m}{2}}x^2y^7 - 7 \times 2^{8-\frac{7m}{2}}x^2y^7 + 21 \times 2^{4-\frac{5m}{2}}x^2y^7 + 105 \times 2^{6-\frac{5m}{2}}x^2y^7 - \\
& 175 \times 2^{4-\frac{3m}{2}}x^2y^7 - 35 \times 2^{5-\frac{3m}{2}}x^2y^7 - 35 \times 2^{7-\frac{3m}{2}}x^2y^7 + 35 \times 2^{5-\frac{m}{2}}x^2y^7 + 35 \times 2^{7-\frac{m}{2}}x^2y^7 - \\
& 21 \times 2^{5+\frac{m}{2}}x^2y^7 - 21 \times 2^{6+\frac{m}{2}}x^2y^7 + 7 \times 2^{4+\frac{3m}{2}}x^2y^7 + 7 \times 2^{5+\frac{3m}{2}}x^2y^7 - 2^{4+\frac{5m}{2}}x^2y^7 - 2^{4-\frac{9m}{2}}xy^8 - \\
& 2^{7-\frac{9m}{2}}xy^8 + 7 \times 2^{7-\frac{7m}{2}}xy^8 - 63 \times 2^{4-\frac{5m}{2}}xy^8 - 21 \times 2^{6-\frac{5m}{2}}xy^8 + 35 \times 2^{5-\frac{3m}{2}}xy^8 + 35 \times 2^{6-\frac{3m}{2}}xy^8 - \\
& 35 \times 2^{4-\frac{m}{2}}xy^8 - 35 \times 2^{6-\frac{m}{2}}xy^8 + 21 \times 2^{6+\frac{m}{2}}xy^8 - 7 \times 2^{4+\frac{3m}{2}}xy^8 - 7 \times 2^{5+\frac{3m}{2}}xy^8 + 2^{5+\frac{5m}{2}}xy^8 + 2^{4-\frac{9m}{2}}y^9 - \\
& 7 \times 2^{4-\frac{7m}{2}}y^9 + 21 \times 2^{4-\frac{5m}{2}}y^9 - 35 \times 2^{4-\frac{3m}{2}}y^9 + 35 \times 2^{4-\frac{m}{2}}y^9 - 21 \times 2^{4+\frac{m}{2}}y^9 + 7 \times 2^{4+\frac{3m}{2}}y^9 - 2^{4+\frac{5m}{2}}y^9
\end{aligned}$$