

$$\begin{aligned}
\mathcal{J}_7 = & X^5 \text{ (diagram)} + X^2 \text{ (diagram)} + X^6 \text{ (diagram)} + X^4 \text{ (diagram)} + X^3 \text{ (diagram)} + X^2 \text{ (diagram)} + X^3 \text{ (diagram)} + X \text{ (diagram)} + X^4 \text{ (diagram)} + X^4 \text{ (diagram)} + X^4 \text{ (diagram)} + X^4 \text{ (diagram)} + X^3 \text{ (diagram)} + X^2 \text{ (diagram)} + X^4 \text{ (diagram)} + X^4 \text{ (diagram)} + X^4 \text{ (diagram)} + X^2 \text{ (diagram)} + X^3 \text{ (diagram)} + X^4 \text{ (diagram)} + X^3 \text{ (diagram)} + X^3 \text{ (diagram)} + X^3 \text{ (diagram)} + \text{ (diagram)} + X \text{ (diagram)} + X \text{ (diagram)} + X^5 \text{ (diagram)} + X^5 \text{ (diagram)} + X^3 \text{ (diagram)} + X^4 \text{ (diagram)} + \\
& X^3 \text{ (diagram)} + X^2 \text{ (diagram)} + X^5 \text{ (diagram)} + X^3 \text{ (diagram)} + X^2 \text{ (diagram)} + X^3 \text{ (diagram)} + X^2 \text{ (diagram)} + X^3 \text{ (diagram)} + X^4 \text{ (diagram)} + X^2 \text{ (diagram)} + X^3 \text{ (diagram)} + X^2 \text{ (diagram)} + X^5 \text{ (diagram)} + \\
\mathcal{J}_7^2 = & X^3 \text{ (diagram)} + X^3 \text{ (diagram)} + X^4 \text{ (diagram)} + X^2 \text{ (diagram)} + (X^4 + X^6) \text{ (diagram)} + X^4 \text{ (diagram)} + X^3 \text{ (diagram)} + X^4 \text{ (diagram)} + (X^3 + X^5) \text{ (diagram)} + (X^3 + X^5) \text{ (diagram)} + X^2 \text{ (diagram)} + X^4 \text{ (diagram)} + X \text{ (diagram)} + X^5 \text{ (diagram)} + (X^2 + X^4) \text{ (diagram)} + X^3 \text{ (diagram)} + X^2 \text{ (diagram)} + X^3 \text{ (diagram)} + (X^3 + X^5) \text{ (diagram)} + X^4 \text{ (diagram)} + X^4 \text{ (diagram)} + X^5 \text{ (diagram)} + (X^4 + X^6) \text{ (diagram)} + X^2 \text{ (diagram)} + (X^4 + X^6) \text{ (diagram)} + \\
& (X^3 + X^5) \text{ (diagram)} + X^2 \text{ (diagram)} + X \text{ (diagram)} + X^4 \text{ (diagram)} + X^3 \text{ (diagram)} + X^6 \text{ (diagram)} + (X^5 + X^7) \text{ (diagram)} + X^5 \text{ (diagram)} + X^2 \text{ (diagram)} + (X^5 + X^7) \text{ (diagram)} + X^3 \text{ (diagram)} + X^3 \text{ (diagram)} + (X^4 + X^6) \text{ (diagram)} + X^2 \text{ (diagram)} + (X^2 + X^4) \text{ (diagram)} + \text{ (diagram)} + X \text{ (diagram)} + X^3 \text{ (diagram)}
\end{aligned}$$