Here is the list of the polynomials that appeared in recurrence (3-8).

$$
\begin{aligned}
p_0(n) &= -32(n+1)(n+2)(n+3)(2n+1)(188190n^{12}+9033120n^{11}+196636077n^{10}\\
&\quad +2566037664n^9+22348696113n^8+136791233640n^7+603010089167n^6\\
&\quad +1927684790736n^5+4431569315045n^4+7137840911112n^3\\
&\quad +7636521367520n^2+4865003749056n+1392924147120),
\end{aligned}
$$

$$
\begin{aligned}
p_1(n) &= -16(n+2)(n+3)(1317330n^{14}+65866500n^{13}+1503857169n^{12}\\
&\quad +20760892182n^{11}+193371382152n^{10}+1283668382640n^9\\
&\quad +6252417962213n^8+22652074875974n^7+61181104559648n^6\\
&\quad +122185617069632n^5+176840932132448n^4+178788780818528n^3\\
&\quad +118323932418432n^2+45249770219904n+7356872337408),
\end{aligned}
$$

$$
\begin{aligned}
p_2(n) &= -8(n+3)(2634660n^{15}+138319650n^{14}+3337046838n^{13}+49041351981n^{12}\\
&\quad +490558688334n^{11}+3534403075749n^{10}+18925445426578n^9\\
&\quad +76582421317555n^8+235702562060454n^7+550556663096637n^6\\
&\quad +965306173020288n^5+1242997361826972n^4+1132032127856288n^3\\
&\quad +683206915638848n^2+241422852044352n+36863441565696)
\end{aligned}
$$

$$
\begin{aligned}
p_3(n) &= 12796920n^{16}+716627520n^{15}+18563791716n^{14}+295112721744n^{13}\\
&\quad +3220359021324n^{12}+25558279911144n^{11}+152466165457756n^{10}\\
&\quad +696597588889664n^9+2460180175868028n^8+6727570305322824n^7\\
&\quad +14168212166929344n^6+22677495644946432n^5+26948897666807936n^4\\
&\quad +22874101894200448n^3+12986387671524864n^2+4357597993118208n\\
&\quad +638687524773888,
\end{aligned}
$$

$$
\begin{aligned}
p_4(n) &= -8(n+4)(1317330n^{15}+69159825n^{14}+1668711609n^{13}\\
&\quad +24528733875n^{12}+245436269184n^{11}+1769040206838n^{10}\\
&\quad +9477163733840n^9+38371342771608n^8+118173657708438n^7\\
&\quad +276227303311749n^6+484688723347467n^5+624625431804273n^4\\
&\quad +569337448915012n^3+343895161638696n^2+121621993180992n\\
&\quad +18586579657104),
\end{aligned}
$$

$$
\begin{aligned}
p_5(n) &= 4(n+4)(n+5)(1317330n^{14}+63231840n^{13}+1384074234n^{12}+18296400375n^{11}\\
&\quad +163026294858n^{10}+1034562798552n^9+4815246657374n^8\\
&\quad +16669829803063n^7+43039009226144n^6+82236944277106n^5\\
&\quad +114039899423372n^4+110702924553784n^3+70554744207312n^2\\
&\quad +26093788468416n+4129721936640),
\end{aligned}
$$

$$
\begin{aligned}
p_6(n) &= -2(n+4)(n+5)(n+6)(752760n^{13}+31992300n^{12}+614915028n^{11} \\
&\quad +7072175655n^{10}+54248839002n^9+292721588649n^8 \\
&\quad +1141262961932n^7+3248405599701n^6+6731284085834n^5 \\
&\quad +9991172562507n^4+10269147791108n^3+6865066373604n^2 \\
&\quad +2640183959808n+430545736512),
\end{aligned}
$$

$$
\begin{aligned}
p_7(n) &= (n+4)(n+5)(n+6)(n+7)(188190n^{12}+6774840n^{11}+109692297n^{10} \\
&\quad +1055096694n^9+6705669852n^8+29614574520n^7+92981943365n^6 \\
&\quad +208505889066n^5+330097304336n^4+357775867560n^3+249852405824n^2 \\
&\quad +99544056672n+16674683904).
\end{aligned}
$$