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P-recursive

$$2*n^3*(2520*n^8-41580*n^7+298626*n^6-1219501*n^5+3097696*n^4-5012676*n^3+5047056*n^2-2891127*n+721386)*(2*n-3)*(n-1)^2*a(n) =$$

$$(695520*n^{12}-13562640*n^{11}+118766736*n^{10}-616367016*n^9+2106535638*n^8-4981623897*n^7+8333949330*n^6-9906479709*n^5+8279061030*n^4-4733142928*n^3+1755644800*n^2-379309824*n+35746560)*(n-1)^2*a(n-1) -$$

$$2*(1632960*n^{13}-34292160*n^{12}+325950768*n^{11}-1854750144*n^{10}+7041737076*n^9-18817459380*n^8+36380428593*n^7-51482783208*n^6+53294897451*n^5-39843338836*n^4+20900665864*n^3-7278830848*n^2+1504470888*n-138315024)*(n-2)*a(n-2) +$$

$$4*(2520*n^8-21420*n^7+78126*n^6-159805*n^5+200681*n^4-158562*n^3+76964*n^2-20908*n+2400)*(n-3)^2*(4*n-9)^2*(4*n-11)^2*a(n-3)$$

with a(0) = 1, a(2) = 4 and a(3) = 76.

Peter Bala, Jul 06 2023