

$$\begin{aligned}
 & \text{Es} \left[\left\langle x \rightarrow \text{LS} \left[0, -\frac{\overline{xy}}{24}, 0, \frac{7 \times \overline{xxy}}{5760} - \frac{7 \times \overline{xyy}}{5760} + \frac{\overline{xyy}}{1440}, -\frac{\overline{xyyy}}{3840} - \frac{\overline{xyyy}}{2560}, -\frac{\overline{31xxxxy}}{967680} + \right. \right. \right. \\
 & \quad \left. \left. \left. \frac{\overline{31xxxxy}}{483840} - \frac{\overline{83xxxyy}}{967680} - \frac{\overline{31xxyxy}}{725760} - \frac{\overline{31xxyxy}}{645120} + \frac{\overline{13xxyyy}}{241920} + \frac{\overline{101xyxyy}}{1451520} + \right. \right. \right. \\
 & \quad \left. \left. \left. \frac{\overline{527xxyyxy}}{5806080} - \frac{\overline{xyyy}}{60480}, \frac{463xxxxyy}{11612160} + \frac{143xxyxyy}{4644864} + \frac{43xxyyy}{7741440} + \right. \right. \right. \\
 & \quad \left. \left. \left. \frac{\overline{xxyxyy}}{30240} - \frac{\overline{337xxxyyxy}}{2903040} + \frac{\overline{157xyxyxy}}{4644864} - \frac{\overline{337xxyxxy}}{4644864} + \right. \right. \right. \\
 & \quad \left. \left. \left. \frac{\overline{53xxyyxy}}{1935360} + \frac{\overline{337xxyxy}}{11612160}, \frac{127xxxxxxxy}{154828800} - \frac{127xxxxxyy}{51609600} + \right. \right. \right. \\
 & \quad \left. \left. \left. \frac{\overline{2399xxxxxyy}}{464486400} + \frac{\overline{31xxxxyy}}{232243200} + \frac{\overline{127xxxxyxy}}{30965760} - \frac{\overline{2893xxxxyyy}}{464486400} - \right. \right. \right. \\
 & \quad \left. \left. \left. \frac{\overline{10057xxxyxyy}}{836075520} - \frac{\overline{4129xxxxyyxy}}{232243200} + \frac{\overline{271xxxxyyyy}}{58060800} + \frac{\overline{2567xxyxyyy}}{99532800} - \right. \right. \right. \\
 & \quad \left. \left. \left. \frac{\overline{1247xxxxyxy}}{278691840} - \frac{\overline{127xxxxyxy}}{77414400} - \frac{\overline{127xxxxyyxy}}{77414400} + \frac{\overline{449xxxxyyyxy}}{66355200} - \right. \right. \right. \\
 & \quad \left. \left. \left. \frac{\overline{407xxyyxyy}}{33177600} + \frac{\overline{13xxxxyxy}}{1720320} - \frac{\overline{19xxyyy}}{9676800} + \frac{\overline{5269xxyxyxy}}{69672960} + \right. \right. \right. \\
 & \quad \left. \left. \left. \frac{\overline{7xyxyyyy}}{622080} + \frac{\overline{35801xxyxxyyy}}{4180377600} + \frac{\overline{xxyxxyxy}}{226800} + \frac{\overline{151xxxxyxxy}}{49766400} + \right. \right. \right. \\
 & \quad \left. \left. \left. \frac{\overline{127xxyxyxy}}{12902400} - \frac{\overline{61079xxyyyxy}}{696729600} - \frac{\overline{16297xxyyyxy}}{696729600} + \right. \right. \right. \\
 & \quad \left. \left. \left. \frac{\overline{6121xxyxyyy}}{174182400} - \frac{\overline{12241xxyxyxy}}{232243200} + \frac{\overline{401xxyxyxy}}{43545600} + \frac{\overline{xxyyy}}{2419200}, \dots \right], \right.
 \end{aligned}$$

$$\begin{aligned}
& \frac{807709 \overbrace{x \overline{xy} \overbrace{x \overline{xy} \overbrace{x \overline{xy} y}}}{472979865600} + \frac{281539 \overbrace{x \overline{xy} \overbrace{x \overline{xy} \overbrace{y \overline{xy}}}}}{39414988800} + \frac{3542501 \overbrace{x \overline{xy} \overbrace{x \overline{xy} \overbrace{y \overline{xy}}}}}{551809843200} - \\
& \frac{2704069 \overbrace{x \overline{xy} \overbrace{x \overline{xy} \overbrace{x \overline{y} xy}}}{472979865600} - \frac{666053 \overbrace{x \overline{xy} \overbrace{xx \overline{xy} \overbrace{y \overline{y}}}}}{2207239372800} - \frac{269 \overbrace{x \overline{xy} \overbrace{x \overline{xy} \overbrace{xy}}}}{30656102400} + \\
& \frac{20761 \overbrace{xxx \overline{xy} \overbrace{y \overline{x} xy}}}{81749606400} - \frac{9132941 \overbrace{xx \overline{xy} \overbrace{x \overline{xy} \overbrace{xy}}}}{2207239372800} - \frac{692779 \overbrace{xx \overline{xy} \overbrace{y \overline{xy} \overbrace{xy}}}}{367873228800} + \\
& \frac{668743 \overbrace{xx \overline{xy} \overbrace{y \overline{xy} \overbrace{yx \overline{xy}}}}}{91968307200} + \frac{599749 \overbrace{xx \overline{xy} \overbrace{y \overline{y} xy}}}{441447874560} + \frac{1084147 \overbrace{x \overline{xy} \overbrace{y \overline{xy} \overbrace{yy}}}}{183936614400} - \\
& \frac{97957 \overbrace{x \overline{xy} \overbrace{y \overline{y} xy \overline{y y}}}}{3027763200} + \frac{8141893 \overbrace{x \overline{xy} \overbrace{y \overline{y} x \overline{xy} \overbrace{xy}}}}{735746457600} + \frac{7706899 \overbrace{x \overline{xy} \overbrace{y \overline{y} x \overline{xy} \overbrace{y y}}}}{2207239372800} - \\
& \frac{32336137 \overbrace{x \overline{xy} \overbrace{y \overline{y} xy \overline{y x y}}}}{2207239372800} + \frac{276559 \overbrace{x \overline{xy} \overbrace{y \overline{y} y y \overline{xy}}}}{66886041600} - \frac{19649741 \overbrace{xx \overline{xy} \overbrace{y \overline{y} x \overline{y} \overbrace{xy}}}}{2207239372800} - \\
& \frac{673921 \overbrace{x \overline{xy} \overbrace{y \overline{y} y \overline{xy} \overline{xy}}}}{11496038400} - \frac{3045757 \overbrace{x \overline{xy} \overbrace{y \overline{y} y \overline{y} xy}}}{66886041600} - \frac{19639 \overbrace{x \overline{xy} \overbrace{y \overline{y} yy \overline{xy} \overline{y}}}}{5109350400} - \\
& \frac{49387 \overbrace{x \overline{xy} \overbrace{y \overline{y} yyy \overline{xy} \overline{y}}}}{45984153600} + \frac{91 \overbrace{x \overline{xy} \overbrace{y \overline{y} yyyy \overline{xy}}}}{243302400} + \frac{5143 \overbrace{x \overline{xy} \overbrace{y \overline{y} x \overline{y} \overbrace{xy \overline{y}}}}}{9853747200} - \\
& \frac{977 \overbrace{x \overline{xy} \overbrace{y \overline{y} yyyy}}}{2554675200} - \frac{66257 \overbrace{x \overline{y} \overbrace{xy \overline{y} y \overline{xy} \overline{y}}}}{19707494400} - \frac{28807 \overbrace{x \overline{y} \overbrace{xy \overline{y} yy \overline{xy}}}}{9853747200} - \\
& \frac{75023 \overbrace{x \overline{xy} \overbrace{y \overline{y} x \overline{y} y \overline{y} y}}}{200658124800} + \frac{5749 \overbrace{x \overline{xy} \overbrace{x \overline{y} x \overline{y} x \overline{xy}}}}{91968307200} - \frac{449821 \overbrace{x \overline{xy} \overbrace{y \overline{y} x \overline{y} x \overline{y}}}}{10218700800} - \\
& \frac{4337719 \overbrace{x \overline{xy} \overbrace{y \overline{y} xy \overline{y} xy}}}{551809843200} - \frac{7472963 \overbrace{x \overline{xy} \overbrace{y \overline{y} y \overline{xy} y \overline{xy}}}}{52553318400} - \frac{286939 \overbrace{x \overline{xy} \overbrace{y \overline{y} yy \overline{xy} \overline{xy}}}}{10510663680} -
\end{aligned}$$

$$\begin{aligned}
& \frac{659 \overbrace{\text{x y y y x y y}}_{1532805120} - 1839709 \overbrace{\text{x x y y x y x y}}_{245248819200} - \overbrace{\text{x y y y y y y y}}_{95800320}, \dots}{1532805120}, \\
y \rightarrow \text{LS} & \left[\frac{\overbrace{\text{x}}{2}, -\frac{\overbrace{\text{x y}}{12}, 0, \frac{\overbrace{\text{x x x y}}{5760}}{-\frac{1}{720} \overbrace{\text{x x y y}} + \frac{1}{720} \overbrace{\text{x y y y}} - \frac{\overbrace{\text{x x x x y}}{7680} - \frac{19 \overbrace{\text{x x y x y}}{69120}}, \right. \right. \\
& - \frac{\overbrace{\text{x x x x x y}}{645120} - \frac{17 \overbrace{\text{x x x x y y}}{967680} + \frac{\overbrace{\text{x x x y y y}}{20160} + \frac{439 \overbrace{\text{x x y x y y}}{2903040} - \frac{599 \overbrace{\text{x x x y x y}}{5806080} + \\
& \frac{\overbrace{\text{x x y y y y}}{15120} + \frac{71 \overbrace{\text{x x y y x y}}{12096} + \frac{\overbrace{\text{x x x x x y}}{483840} - \frac{\overbrace{\text{x y y y y y}}{30240}, \frac{\overbrace{\text{x x x x x x y}}{258048} + \frac{31 \overbrace{\text{x x x x x y y}}{2903040} + \\
& \frac{83 \overbrace{\text{x x x x y y y}}{1548288} + \frac{671 \overbrace{\text{x x x y x y y}}{7741440} - \frac{31 \overbrace{\text{x x x y y y y}}{967680} - \frac{383 \overbrace{\text{x x y x y y y}}{5806080} - \frac{1 \overbrace{\text{x y x y x y y}}{30720} + \\
& \frac{\overbrace{\text{x x x x x y}}{23224320} - \frac{29 \overbrace{\text{x x x y x y y}}{1548288} + \frac{11 \overbrace{\text{x x y y y x y}}{414720} + \frac{43 \overbrace{\text{x x y x y x y}}{11612160}, \\
& \frac{\overbrace{\text{x x x x x x y}}{77414400} + \frac{2783 \overbrace{\text{x x x x x y y}}{464486400} - \frac{383 \overbrace{\text{x x x x x y y y}}{58060800} + \frac{223 \overbrace{\text{x x x x y x y y}}{4180377600} - \\
& \frac{3281 \overbrace{\text{x x x x y y y y}}{232243200} - \frac{737 \overbrace{\text{x x x y x y y y}}{33177600} + \frac{8009 \overbrace{\text{x x x x y y x y}}{232243200} + \frac{73 \overbrace{\text{x x x y y y y y}}{14515200} + \\
& \frac{793 \overbrace{\text{x x y x y y y y}}{29030400} + \frac{289 \overbrace{\text{x x y x x y}}{8164800} - \frac{4679 \overbrace{\text{x x x y x x y}}{696729600} - \\
& \frac{4217 \overbrace{\text{x x x y y x y y}}{116121600} + \frac{739 \overbrace{\text{x x x y y x y y}}{99532800} + \frac{4751 \overbrace{\text{x x y y x y y y}}{174182400} - \frac{407 \overbrace{\text{x x y x y x y x y}}{92897280} - \\
& \frac{\overbrace{\text{x x y y y y y y}}{403200} - \frac{\overbrace{\text{x y x y y y y y}}{172800} + \frac{47 \overbrace{\text{x x y x x y y y y}}{6451200} + \frac{1009 \overbrace{\text{x x y x x y x y}}{597196800} + \\
& \frac{2701 \overbrace{\text{x x x y y x x y}}{464486400} + \frac{11929 \overbrace{\text{x x y x y y x y}}{696729600} - \frac{\overbrace{\text{x x y y y x y y}}{92160} - \frac{151 \overbrace{\text{x x y y y y x y}}{14515200} -
\end{aligned}$$

$$\begin{aligned} & \frac{\overbrace{x y y \overbrace{x y y y y}^{x y y}}_{172\ 800}}{} - \frac{\overbrace{2459 \overbrace{x y x y y y}^{x y y y y}}_{174\ 182\ 400}}{} + \frac{\overbrace{2903 \overbrace{x x y y x y x y}^{x y y y y}}_{99\ 532\ 800}}{} + \frac{\overbrace{x y y y y y y y}^{1\ 209\ 600}}{} , \\ & - \frac{\overbrace{x x x x x x x y}^{9\ 830\ 400}}{} + \frac{\overbrace{463 x x x x x x y y}^{247\ 726\ 080}}{} - \frac{\overbrace{365\ 537 x x x x x x y y y}^{33\ 443\ 020\ 800}}{} - \frac{\overbrace{568\ 661 x x x x x y x y y}^{33\ 443\ 020\ 800}}{} , \\ & \frac{\overbrace{58\ 687 x x x x x x y y}^{22\ 295\ 347\ 200}}{} + \frac{\overbrace{185\ 891 x x x x x y y y y}^{2\ 786\ 918\ 400}}{} + \frac{\overbrace{2\ 386\ 009 x x x x y x y y y}^{16\ 721\ 510\ 400}}{} + \\ & - \frac{\overbrace{86\ 053 x x x x x y y x y}^{4\ 180\ 377\ 600}}{} - \frac{\overbrace{44\ 677 x x x x y y y y}^{16\ 721\ 510\ 400}}{} + \frac{\overbrace{541\ 727 x x x x y x y x y y}^{5\ 573\ 836\ 800}}{} + \\ & + \frac{\overbrace{181\ 711 x x x y x y y y y}^{16\ 721\ 510\ 400}}{} + \frac{\overbrace{858\ 287 x x x x x y x y y}^{33\ 443\ 020\ 800}}{} + \frac{\overbrace{43 x x x x x y x x y}^{99\ 532\ 800}}{} - \\ & - \frac{\overbrace{30\ 851 x x x x y y x y y}^{928\ 972\ 800}}{} - \frac{\overbrace{602\ 033 x x x x y y x y}^{5\ 573\ 836\ 800}}{} + \frac{\overbrace{28\ 633 x x x y y x y y y}^{836\ 075\ 520}}{} + \\ & + \frac{\overbrace{7 x x x y y y y y y}^{1\ 382\ 400}}{} - \frac{\overbrace{13\ 303 x x y y x y y y y}^{522\ 547\ 200}}{} + \frac{\overbrace{23 x x y x y y y y y}^{4\ 300\ 800}}{} - \frac{\overbrace{98\ 677 x x x y x y y y y}^{16\ 721\ 510\ 400}}{} + \\ & - \frac{\overbrace{425\ 581 x x x x y y x x y}^{33\ 443\ 020\ 800}}{} - \frac{\overbrace{296\ 897 x x x y x y y x y}^{16\ 721\ 510\ 400}}{} + \frac{\overbrace{36\ 629 x x x y y y x y y}^{418\ 037\ 760}}{} + \\ & + \frac{\overbrace{243\ 179 x x x y y y x y}^{8\ 360\ 755\ 200}}{} - \frac{\overbrace{569 x x y y x y y y y}^{69\ 672\ 960}}{} - \frac{\overbrace{5587 x y x y x y x y y}^{557\ 383\ 680}}{} - \frac{\overbrace{x y x y x y y y y}^{368\ 640}}{} + \\ & - \frac{\overbrace{241\ 219 x x y x y x y y}^{3\ 344\ 302\ 080}}{} - \frac{\overbrace{41\ 197 x x y x x y y y y}^{16\ 721\ 510\ 400}}{} + \frac{\overbrace{1649 x x y x x y y x y}^{1\ 393\ 459\ 200}}{} + \\ & + \frac{\overbrace{211\ 361 x x x y x x x y y}^{33\ 443\ 020\ 800}}{} + \frac{\overbrace{899 x x x x y x x y}^{3\ 185\ 049\ 600}}{} + \frac{\overbrace{88\ 691 x x x y y x x y y}^{2\ 786\ 918\ 400}}{} - \end{aligned}$$

$$\begin{aligned}
& \frac{\overbrace{\overbrace{\overbrace{\overbrace{x y} y} x y y} y y y y}}{1995840} + \frac{1669 \overbrace{\overbrace{\overbrace{\overbrace{x y} x y y} y} x y y y}}{1532805120} + \frac{1339 \overbrace{\overbrace{\overbrace{\overbrace{x y} x y y} y} x y y}}{547430400} + \\
& - \frac{85559 \overbrace{\overbrace{\overbrace{\overbrace{x x y} x y} x y y} y}}{551809843200} - \frac{717553 \overbrace{\overbrace{\overbrace{\overbrace{x x y} x x y} x y} y}}{945959731200} + \frac{175303 \overbrace{\overbrace{\overbrace{\overbrace{x y y} x y y} x y} y}}{137952460800} + \\
& + \frac{4801217 \overbrace{\overbrace{\overbrace{\overbrace{x x y} x y y} x y} y}}{2207239372800} + \frac{175081 \overbrace{\overbrace{\overbrace{\overbrace{x y y} y} x y y} x y}}{18393661440} + \frac{10657 \overbrace{\overbrace{\overbrace{\overbrace{x y y} y y} x y} y}}{3406233600} + \\
& - \frac{\overbrace{\overbrace{\overbrace{\overbrace{x y y} y} x y y} y y y y}}{2280960} - \frac{336583 \overbrace{\overbrace{\overbrace{\overbrace{x y y} x y} x y} y}}{22992076800} - \frac{\overbrace{\overbrace{\overbrace{\overbrace{x y y} y} y y y y y y}}}{47900160}, \dots] \Big\},
\end{aligned}$$