$$\begin{aligned} & \frac{-1|12|^2\langle 16)^2}{[23]\langle 56\rangle\langle 1|5+6|1\rangle\langle 1|2+3|4]} + \\ & \frac{1/2|25|^2}{[23][56]\langle 1|2+3|4]} + \\ & (1236-4) + \\ & (1236-4) + \frac{32165}{(23)} + \\ & \frac{-1/8\langle 3|1+4|2|\langle 6|1+4|5|\langle s_{123}-s_{234}\rangle\langle s_{123}+s_{234}\rangle}{\langle 23\rangle|23|\langle 56\rangle|56|\langle 1|2+3|4|\Delta_{14}|23|56} + \\ & \frac{1/2|25|\langle 36\rangle\langle s_{123}-s_{234}\rangle}{\langle 23\rangle|23|\langle 56\rangle|56|\langle 1|2+3|4|} \end{aligned}$$