

$$\sum_{i=1}^{\left\lceil \frac{n}{2} \right\rceil} \binom{x_{i,i+1}^{i^2}}{\left\lceil \frac{i+3}{3} \right\rceil} \frac{\sqrt{\mu(i)^{\frac{3}{2}}(i^2-1)}}{\sqrt[3]{\rho(i)-2} + \sqrt[3]{\rho(i)-1}}$$