

$$\sum_{j=0}^{\infty} \sum_{h=0}^{\infty} (-1)^{j+h} \binom{2j}{j} \binom{2h}{h} \left(\sqrt{y} - \frac{1}{\sqrt{y}}\right)^{2j} q^{h-1} = q^{-1} \prod_{h=1}^{\infty} \frac{(1-q^{2h})^{-2}}{(1-yq^{2h})^{-2} (1-y^{-1}q^{2h})^{-2}}$$

