Measurement:

$$\sum_{x=0}^{1_n-1} p_x \sin^2 \frac{\pi}{4} + \sum_{x=1_n}^{N-1} p_x \sin^2(\frac{\pi}{4} + 0.4c(x - 1_n))$$

$$\approx \frac{1}{2} + \sum_{x=1_n}^{N-1} 0.4c p_x(x - 1_n)$$