

## Frequency Response Tutorial Exercise

Calculate the frequency response of the system with impulse response:

$$h(n_1, n_2) = \delta(n_1 + 1, n_2) + \delta(n_1 - 1, n_2) + \delta(n_1, n_2 + 1) + \delta(n_1, n_2 - 1).$$

Is this system lowpass, bandpass or highpass?