```
n = 1:10000;
phase = -1.57079633;
amplitude = 1/pi;
number_cycles = 1;
x1 = amplitude * cos(( 2 * pi * number_cycles * n / 10000 + phase));

x2 = (1/(3*pi)) * cos(( 2 * pi *  3 * n / 10000 + (-1.5708)));

x3 = (1/(5*pi)) * cos(( 2 * pi *  5 * n / 10000 + (-1.5708)));

x4 = (1/(7*pi)) * cos(( 2 * pi *  7 * n / 10000 + (-1.5708)));

x5 = (1/(9*pi)) * cos(( 2 * pi *  9 * n / 10000 + (-1.5708)));

x6 = (1/(11*pi)) * cos(( 2 * pi * 11 * n / 10000 + (-1.5708)));

x7 = (1/(13*pi)) * cos(( 2 * pi *  13 * n / 10000 + (-1.5708)));

x8 = (1/(15*pi)) * cos(( 2 * pi *  15 * n / 10000 + (-1.5708)));

x9 = (1/(17*pi)) * cos(( 2 * pi * 17 * n / 10000 + (-1.5708)));

x10 = (1/(19*pi)) * cos(( 2 * pi *  19 * n / 10000 + (-1.5708)));

plot (x1);
plot (x1 + x2);
plot(x1 + x2 + x3);
plot(x1 + x2 + x3 + x4);
plot(x1 + x2 + x3 + x4 + x5);
plot(x1 + x2 + x3 + x4 + x5 + x6);
plot(x1 + x2 + x3 + x4 + x5 + x6 + x7);
plot(x1 + x2 + x3 + x4 + x5 + x6 + x7 + x8);
plot(x1 + x2 + x3 + x4 + x5 + x6 + x7 + x8 + x9);
plot(x1 + x2 + x3 + x4 + x5 + x6 + x7 + x8 + x9 + x10);
```
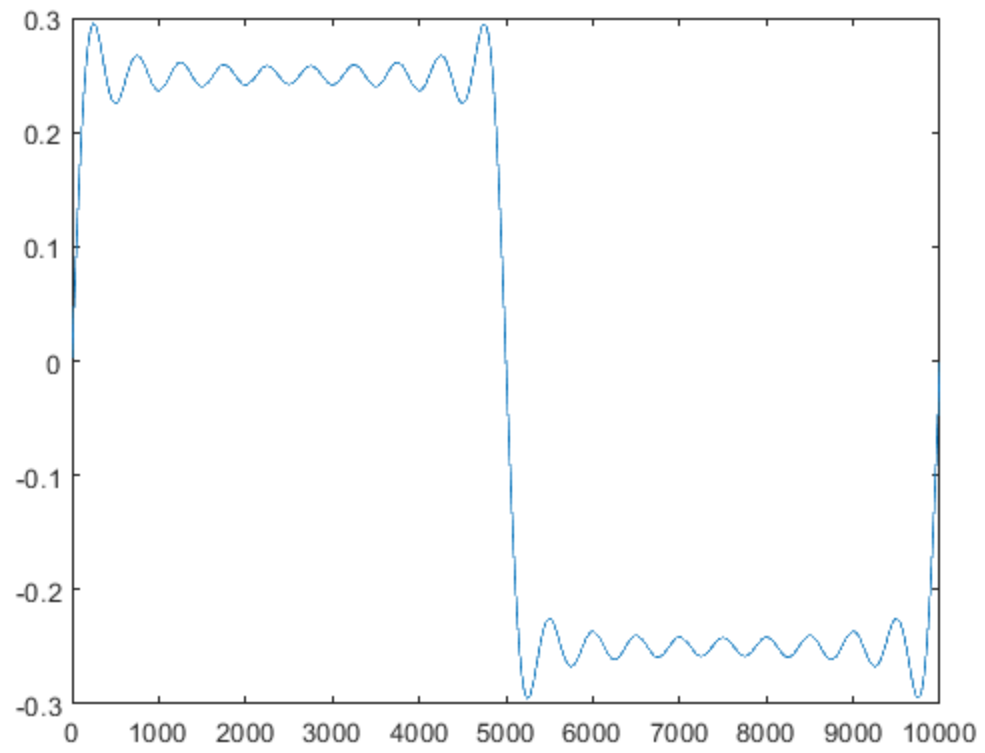
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