$$x[0] = 1$$
$$x[44] = 0.990170149822708$$
$$x[45] = 0.999996802135490$$
$$x[46] = 0.989450040493128$$
$$x[88] = 0.990520706338839$$
$$x[89] = 0.999987208562412$$
$$x[90] = 0.989080492285302$$