



$$D^{-1}A = \begin{pmatrix} 0 & 1 & 0 \\ \frac{1}{2} & 0 & \frac{1}{2} \\ 0 & 1 & 0 \end{pmatrix}$$

if $P_0 = (1, 0, 0)$ then

$$P_1 = P_0 D^{-1}A = (0, 1, 0)$$

$$P_2 = P_1 D^{-1}A = (\frac{1}{2}, 0, \frac{1}{2})$$

$$P_3 = P_2 D^{-1}A = (0, 1, 0), \text{ etc.}$$

	P_0	P_1	P_2	P_3	P_4
①	1	0	$\frac{1}{2}$	0	$\frac{1}{2}$
②	0	1	0	1	0
③	0	0	$\frac{1}{2}$	0	$\frac{1}{2}$