$a \rightarrow e$

$e \rightarrow a, i$

$i \rightarrow i$

$o \rightarrow i @ v$

$v \rightarrow a$

$dp[i][a] = dp[i-1][e] + dp[i][o][v]$

$dp[i][e] = dp[i-1][a] +$

$dp[i][i] = dp[i-1][a] + dp[i-1][e] + dp[i-1][o] + dp[i-1][v]$

$dp[i][o] = dp[i-1][i] + dp[v]$

$dp[i][v] = dp[i-1][a]$

- - - - - - - - - - -

$dp[i][a]$ $a \rightarrow e$ $dp[i][e] = dp[i-1][a]$

$dp[i][i]$ $e \rightarrow a \text{ or } i$ $dp[i][a] = dp[i-1][e] + dp[i-1][v]$

$dp[i]$ (i → i) $dp[i][i] = dp[i-1][e]$

$dp[i][i] = dp[i-1][a] + dp[i-1][e] + dp[i-1][o]$
$\qquad\qquad\qquad + dp[i-1][v]$

(o → i or v)

$dp[i][v] = dp[i-1][o]$

(a → 0   i → 2   v → 4)
(e → 1   o → 3)

$dp[0][$

$\begin{cases} dp[0][0] = 1 \\ dp[0][1] = 1 \\ dp[0][2] = 1 \\ dp[0][3] = 1 \\ dp[0][4] = 1 \end{cases}$

$a \rightarrow e$

$e \rightarrow a$
$\rightarrow i$

$i \xleftarrow{a}_{e}$
$\rightarrow o$
$\rightarrow v$

$e a$

a
e
i
o
v

$o \xrightarrow{i}_{v}$

$v \rightarrow a$

$dp[i][e] = dp[i-1][a]$

$dp[i][a] = dp[i-1][e]$

$dp[i][i] = dp[i-1][e]$
$\qquad\qquad + dp[i-1]$

$$dp[i][a] = dp[i-1][e] + dp[i-1][a] + dp[i-1][v]$$

$$dp[i][e] = dp[i-1][a] + dp[i-1][i]$$

$$dp[i][i] = dp[i-1][e] + dp[i-1][o]$$

$$dp[i][o] = dp[i-1][i] \cdot$$

$$dp[i][v] \Rightarrow dp[i-1][o] + dp[i-1][i].$$

$a \rightarrow e$

$e \nearrow^{a}_{\searrow i}$

$i \nearrow^{a}_{\rightarrow e}_{\searrow^{o}_{v}}$

$o \nearrow^{i}_{\searrow v}$

$v \rightarrow a.$