sorted

$$\rightarrow$$

num$[\ a_0\ a_1\ a_2\quad a_3\quad a_4\ a_5\ a_6\ ]$

count$[\ c_0\ c_1\quad c_2\quad c_3\ c_4\ c_5\ c_6\ ]$

$\rightarrow (a_i, c_i)$

$$dp[i] = \quad \text{if } a_i - 1 \text{ is in the array}$$

delete a_i

$$\max(\ dp[i-2] + a_i c_i,$$

$$dp[i-1]\ )$$

not delete

else

$$dp[i-1] + a_i\ i$$