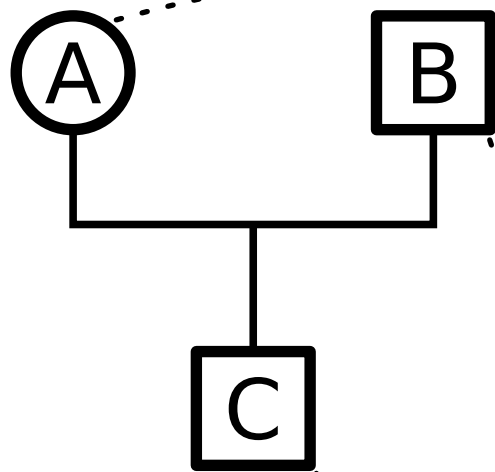


Input



recombination cost

| | | | | |
|---|----|----|----|----|
| | 91 | 22 | 87 | |
| 0 | - | - | 0 | 32 |
| 1 | 0 | 0 | - | 15 |
| 1 | 1 | 0 | - | 7 |
| - | 0 | 0 | 1 | - |
| - | - | 1 | 0 | - |
| | | | | |
| 1 | 1 | 1 | 1 | 32 |
| 1 | 0 | 0 | - | 5 |
| 1 | 1 | 1 | - | 17 |
| - | 0 | 0 | 0 | - |
| - | - | 1 | 1 | - |
| | | | | |
| 1 | - | 1 | - | 32 |
| 0 | 0 | 0 | - | 15 |
| 1 | 0 | 1 | - | 27 |
| - | 0 | 1 | 0 | - |
| - | - | 0 | 0 | - |

DP Recurrence

| | | | |
|---|---|---|---|
| 0 | - | - | 0 |
| 1 | 0 | 0 | - |
| 1 | 1 | 0 | - |
| - | 0 | 0 | 1 |
| - | - | 1 | 0 |

| | | | |
|---|---|---|---|
| 1 | 1 | 1 | 1 |
| 1 | 0 | 0 | - |
| 1 | 1 | 1 | - |
| - | 0 | 0 | 0 |
| - | - | 1 | 1 |

| | | | |
|---|---|---|---|
| 1 | - | 1 | - |
| 0 | 0 | 0 | - |
| 1 | 0 | 1 | - |
| - | 0 | 1 | 0 |
| - | - | 0 | 0 |

Column 2

$$t_{f \rightarrow c} t_{m \rightarrow c} = 00$$

$$\begin{aligned} \text{Cost} &= 3 \\ \text{Recurrence Cost} &= \min\{5, \\ &37 + 1 * 91, \\ &\dots\} \\ &= 5 \end{aligned}$$

$$\begin{aligned} \text{Total cost} &= 3 + 5 = 8 \end{aligned}$$

$$t_{f \rightarrow c} t_{m \rightarrow c} = 01 \quad 37$$

$$3$$