

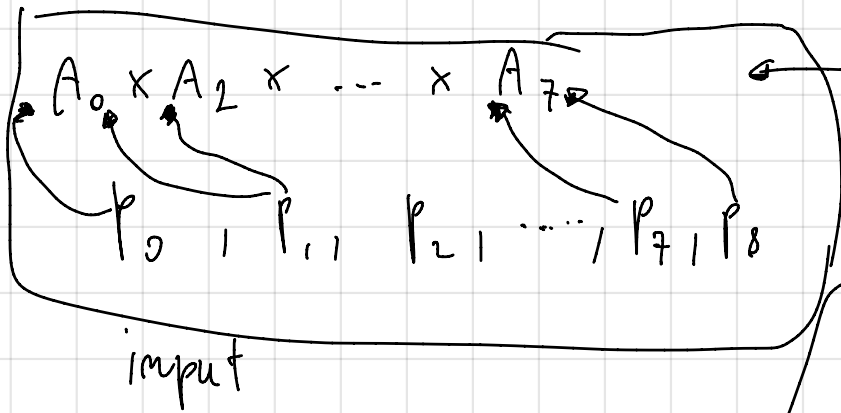
| | | | | | | | | | |
|-----|-----------------|--------|--------|-------|---|---|---|---|---|
| m | $i \setminus j$ | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 0 | 0 | yellow | orange | green | | | | | |
| 1 | 0 | yellow | orange | green | | | | | |
| 2 | 0 | yellow | orange | green | | | | | |
| 3 | 0 | yellow | orange | green | | | | | |
| 4 | 0 | yellow | orange | green | | | | | |
| 5 | 0 | yellow | orange | green | | | | | |
| 6 | 0 | yellow | orange | green | | | | | |
| 7 | 0 | yellow | orange | green | | | | | |

$$i < j$$

$$m[i, i+2] = p_{i-1} \cdot p_i \cdot p_{i+1}$$

$$A_i \times A_{i+1}$$

$p_{i-1} \quad p_i \quad p_i \quad p_{i+1}$



$$m[i, i+2] = \min$$

$$\left\{ \begin{array}{l} k=i \Rightarrow 0 + v + v'(input) \\ k=i+1 \Rightarrow v + 0 + input \end{array} \right.$$

$$\min_{i \leq k < j} \{ m[i, k] + m[k+1, j] + p_i \cdot p_{k+1} \cdot p_{j+1} \}$$

$${}_3 A_5 \times {}_5 A_7' \times {}_7 A_{11}''$$

$${}_3 A_{11}'''$$