Aus3. Let the array of drops be D with elements di, dz, d3 --- dn Also, let Sij represent tu subarray di, diti --- dj. Thus D= San (n'in the length of D)

an supposited Description

-> Let F(Sij) represent the set of possible ways to combine the drops according to the problem rules. -> Let Fo(Sij) be the optimal (required) solution from the set F(Sii)

a) Subproblem months Description

Fo(Sij) can be reduced to finding Fo(Sip) and Fo(Sip+1); ) for some ispij S.t. combining them gives Fo(Sij)

6) Recurrence Relation:

whence Relation of

$$F_{o}(S_{ij}) = \begin{cases} 0 & \text{if } j-i=0 \\ 0 & \text{if } d_{j}^{2} \text{ if } j-i=1 \end{cases}$$

whence Relation of

$$F_{o}(S_{ij}) = \begin{cases} 0 & \text{if } j-i=0 \\ 0 & \text{if } d_{j}^{2} \text{ if } d_{j}^{$$

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