

a =μ(1)
b =μ(5)
c =μ(6)
d =μ(10)
e =μ(11)
f =μ(15)
g =μ(16)
h =μ(20)

-1

$\min_-(\mathbf{a} \leq \mathbf{f} \leq \mathbf{g}) (\mathbf{DIAG}[\mathbf{a}, \mathbf{f}, \mathbf{g}])$

H0 (1-5-11-15) (diag)

$\mathbf{DIAG}[\mathbf{a}, \mathbf{f} | \mathbf{g}, 2] = \min(\mathbf{DIAG}[\mathbf{a}-1, \mathbf{f} | 2, \mathbf{g}], \mathbf{DIAG}[\mathbf{a}, \mathbf{f}+1 | 2, \mathbf{g}], \mathbf{DIAG}[\mathbf{a}-1, \mathbf{f}+1 : 2, \mathbf{g}] + \text{BP}(\mathbf{a}, \mathbf{f}), \mathbf{B}[\mathbf{a}, \mathbf{f}, \mathbf{g}])$

$\mathbf{B}[\mathbf{a}, \mathbf{f}, \mathbf{g}] = \min_-(\mathbf{d}) (\mathbf{DIAG}[\mathbf{a}, \mathbf{d}, \mathbf{g}])$

H1 (6-10-16-20) (diag)

$\mathbf{DIAG}[\mathbf{d}, \mathbf{g} | 17, \mathbf{a}] = \min(\mathbf{DIAG}[\mathbf{d}-1, \mathbf{g} | \mathbf{a}, 17], \mathbf{DIAG}[\mathbf{d}, \mathbf{g}+1 | \mathbf{a}, 17], \mathbf{DIAG}[\mathbf{d}-1, \mathbf{g}+1 : \mathbf{a}, 17] + \text{BP}(\mathbf{d}, \mathbf{g}), \mathbf{DIAG}[\mathbf{a}, \mathbf{d}, \mathbf{g}])$

$\mathbf{DIAG}[\mathbf{d}, \mathbf{g} | 7, \mathbf{a}] = \min(\mathbf{DIAG}[\mathbf{d}-1, \mathbf{g} | \mathbf{a}, 7], \mathbf{DIAG}[\mathbf{d}, \mathbf{g}+1 | \mathbf{a}, 7], \mathbf{DIAG}[\mathbf{d}-1, \mathbf{g}+1 : \mathbf{a}, 7] + \text{BP}(\mathbf{d}, \mathbf{g}),)$