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f9, For N. Sloane (7/14/80)

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Sequences: ^{From} (Fishburn)

$\Delta(n)$: largest m such that every interval order on n points includes an m -point semiorder.

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$\Delta(1), \dots, \Delta(18) = 1, 2, 3, 3, 4, 4, 5, 5, 6, 6, 7, 7, 8, 8, 9, 9, 9, 10$

$\Delta_k(n)$: largest m such that every interval order on n points that has no antichain with more than k points includes an m -point semiorder. Let $(c_1, \dots, c_5) = (1, 2, 3, 3, 4)$

$$\Delta_2(4n+i) = 3n + c_i \quad [n=0, 1, 2, \dots; i=1, 2, 3, 4]$$

Δ_2 : 1, 2, 3, 3; 4, 5, 6, 6; 7, 8, 9, 9; ...

$$\Delta_3(5n+i) = 3n + c_i \quad [n=0, 1, 2, \dots; i=1, 2, 3, 4, 5]$$

Δ_3 : 1, 2, 3, 3, 4; 4, 5, 6, 6, 7; 7, 8, 9, 9, 10; ...