Bai 1 -206 trang 37: T(n) = 2T(n-1) + n - 1Läp βleβ de quy i lan fa (6: T(n) = 2<sup>i</sup>T(n-i) + ≥ 2<sup>j</sup>(n-j-1) Thát vag, +, Vot i = 1, ta thaj Crien plusé dung: +, Già si > 1, xet lân láp plus i-1: T(n)=21-1 T(n-i+1)+ = 2 (n-j-1) Tai lân lâp thư i:  $T(n) = 2^{i-1}T(n-i+1) + \sum_{i=0}^{i-2} 2^{i}(n-j-1)$  $= 2^{i-1} (27 (n-i) + (n-i)) + \sum_{i=0}^{j-2} 3(n-j-1)$  $= 2^{i}T(n-i) + \sum_{j=0}^{n} 2^{j}(n-j-1)$ (dung voi yeu cair)

Clon; = n-1, to co:  $T(n) = 2^{n-1}T(1) + \sum_{j=0}^{n-2} 2^{j} (n-j-1)$  $= 2^{m-1} + \sum_{j=0}^{m-2} 2^{j} (n-j-1)^{j-1}$  $=\sum_{j=1}^{n-1} 2^{j} (n-j-1)$ VEEN Chi chú:

