## Brak Chocolate Ban into IXI piaces

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Piece
Input: n, m, chocolate [n][m], squares [nm] (ref/global)
Output: non pieces in squares container; void
    if n>1
        A[[n/2]][m]
        13[ [n/2] [m]
        for i=0 mon -
            for j=0 ... m-1
| if i< n/2
                     A[i][j] + chocolote[i][j]
                 else
                     B[:][i] + Chocolate[:][j]
             4 exit for
         - exit for; Piece (n/2, m, A, seums); Piece (n/2, m, B, seums).
       A[n][m/2]
       B[n][[m]]
        for j = 0 ... m-1
            for j=0 ... n -1
               if jamb
                   Aciscis & charlete [i][j]
              B C:J[j] + chadate[:][j]
Hexit for
        - exit for; Piece (n, n/z, A, squars); Piece (n, m/z, B, squars);
   ele if n=1 tm=1
        push chocolate [0] [0] onto squares
         return
```

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Because every cut yields two pieces, this has the structure of a binary treetfull binary time 2.4=81 3x3 = 9 V 3-3-1 = 8 braks 8-1=76 pralov 2.7=14. 2.8 = 16 bars 回 15/16 11/12 12 12 0 This behavior means # of bars is the same as half the number of edges in a FBT. edges = 2 · hodes with 2041lden bars = 2 · braks (breaks) # of leaves/ squares is always = #notes with 2 children +1 nm = b + 12-4=8 nm-1=b 76 maks

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