ICA#2: BtTrees Barrics.
Using alt 1 data entries Desired.  Wednesday, January 18, 2023 6:43 PM  You are given a file of 40 x 10 records, each 200 bytes long.  You wish to build a Bt tree index for this file on DES).
You are given a tile of 40x10 index for this tile on
You wish to build a Bt tree index to DES).  You wish to build a Bt tree index to data entires (DES).  The primary key, wing alt I data entires so & bytes,  the primary key, wing and a pointer is & bytes.
the brimary key, wing alt I hainter is 8 bytes.
Each 100 of the Bittree is implement allowing!
You wish to data entries the primary key, wing alt I data entries the bornary key, using alt I data entries to 8 bytes.  Each key is 32 bytes and a pointer is 8 bytes.  Each rode of the Bttree is implemented as a 4K  Each rode of the Bttree is implemented as a 4K  page (i.e., 4x2 bytes). Answer the following:  page (i.e., 4x2 bytes) pairs that a node can
page (1.1) That a
Each hole of 4x2 bytes). Answer the tollow of the page (i.e., 4x2 bytes), Answer the tollow of that a note can (a) The max # (key, pointer) pairs that a note can
Store =
$\mathfrak{D}+\mathcal{L}_{-20}=$
(b) Order of this Bttree =
that would tit in a Je
(b) Order of this Bitter would fit in a page (c) mat # records that would fit in a page
= (d) min. possible height of this Bttree =
(1) hossible height of
(d) m(n. pos
(e) max. Instead
(e) max.  Note: For (d) & (e), do not use formular. Instead,  Note: For (d) & (e), do not use formular. Instead,  stark with the # leaf bages needed to hold the  stark with the # leaf bages needed to their  stark with the # bottom up, from leaves to their
Note: tor (a) Is loaf pages heeded to their
alet with the H
To work bottom up, I the voot.
DES, ( avand basents,, ) to ( ) =
parents, to 1 to your work below.
DES, work bottom up, from  DES, work bottom up, from  parents, to grandpasents,, to the root.  Feel free to write your work below.