delete tiles within a file are sorted on S

pages within a delete tile are sorted on delete key (D)

entries within every page are sorted on S

Level 1
Level 2
⋮
Level L-1

Level i

File 0 | File 1 | ⋯ | File f

files in a level are sorted on sort key (S)

files contain delete tiles

File f
$S_{min} = S1 : S_{max} = S99$
$D_{min} = D1 : D_{max} = D90$

Delete-tile 0
$S_{min} = S1 : S_{max} = S50$
$D_{min} = D2 : D_{max} = D90$
Page 0
⋮
Page h-1

Delete-tile 1
$S_{min} = S51 : S_{max} = S99$
$D_{min} = D1 : D_{max} = D75$
Page 0
⋮
Page h-1

delete-tiles contain pages

Delete-tile 0
$S_{min} = S1 : S_{max} = S50$
$D_{min} = D2 : D_{min} = D90$

Page 0
$S_{min} = S1 : S_{max} = S23$
$D_{min} = D2 : D_{max} = D18$

Page 1
$S_{min} = S16 : S_{max} = S35$
$D_{min} = D21 : D_{max} = D39$

Page 2
$S_{min} = S13 : S_{max} = S43$
$D_{min} = D40 : D_{max} = D51$

Page h-1
$S_{min} = S45 : S_{max} = S50$
$D_{min} = D82 : D_{max} = D90$

pages have entries

Page 0

S1	S4	S6	S7	S9	S11	⋯	S23
D7	D15	D9	D18	D10	D5		D2
zoo	boy	all	job	car	tag		nay

Page 1

S16	S19	S22	S24	S25	S26	⋯	S35
D31	D21	D25	D24	D39	D35		D23
bat	may	bun	car	joy	zoo		aim

S22	D25	bun

sort key   delete key   value