



$fN_{tdc} \rightarrow$
 $fBoard[16 * 2 + 1] \Leftrightarrow [33] = 13$ $fBoard[17 * 2 + 1] \Leftrightarrow [35] = 12$
 $fBoard[18 * 2 + 1] \Leftrightarrow [37] = 15$ $fBoard[19 * 2 + 1] \Leftrightarrow [39] = 14$
 $fBoard[22 * 2 + 1] \Leftrightarrow [45] = 17$ $fBoard[23 * 2 + 1] \Leftrightarrow [47] = 16$
 $fBoard[32, 34, 36, \dots] = 9999$

$N_STRAW_CHAMS = 2 \Rightarrow 2 \times 2 = 4$ multilayers

$N_MULTI_LAYERS = 4 \Rightarrow 4 \times 3 = 12$ layers

layers = 12 $\Rightarrow 12 \times 2 = 24$ board

fNstraws

fStraws.fNtdc[fNstraws]

fStraws.fDelta[fNstraws]

fStraws.fTdc[fNstraws]

fNtdc urcuje v ktrom board-e (t.j. 8 straws) bol signal (hit)

ak jedna z 8 straws (urcenyh fNtdc) ma fDelta v intervale fMinWidt a fMaxWidth, mame urceny konkretny straw

fTdc je samotny cas driftu ($fTdc - T_0 = \text{drift}$)

SQL straws, feb04 \Rightarrow napr. straw 139 je v SQL databaze urcene ako:

Board = 22, Min_Width = 87, Max_Width = 93 $\Rightarrow fBoard[22 * 2 + 1 = 45] = 17$ (17 board v poradi)

SQL straws, feb04 \Rightarrow napr. straw 103 je v SQL databaze urcene ako:

Board = 17, Min_Width = 13, Max_Width = 21 $\Rightarrow fBoard[17 * 2 + 1 = 35] = 12$ (12 board v poradi)

ako teda z DST dostaneme straw 139 ?!

$fNtdc = 45 \Leftrightarrow fBoard[45] = 17 \Rightarrow$ mozne straws su $17 * 8 + i \text{ } i \in [0, 8) \Rightarrow$ straw $\in [136, 144) \Rightarrow$ ak je $87 < fDelta < 93 \Rightarrow$ straw = 139

ako teda z DST dostaneme straw 103 ?!

$fNtdc = 35 \Leftrightarrow fBoard[35] = 12 \Rightarrow$ mozne straws su $12 * 8 + i \text{ } i \in [0, 8) \Rightarrow$ straw $\in [96, 104) \Rightarrow$ ak je $13 < fDelta < 21 \Rightarrow$ straw = 103