

Bits and branches

DIGITAL TECHNOLOGIES / OFFLINE MODEL

Four bits represent 0-15. On means add the weight.

BINARY PLACE VALUE

8

0 / 1

4

0 / 1

2

0 / 1

1

0 / 1

Add the weights in boxes marked 1: _____

NESTED DECISION TRACE

Input score _____ maintenance true / false

score $\geq$ 80 ?

yes $\rightarrow$ check maintenance; no $\rightarrow$ score $\geq$ 40 ?

high + maintenance $\rightarrow$ PENDING_RECHECK

high + no maintenance $\rightarrow$ HIGH

mid $\rightarrow$ WATCH; lower $\rightarrow$ OK

My traced path: _____

Prediction is not a program run.