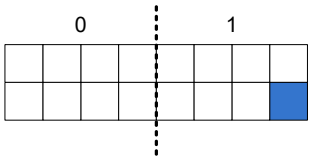
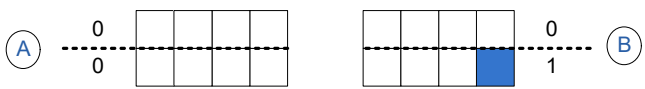


Hit Map 0x0001

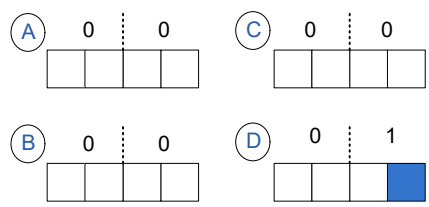
First stage (Left, Right)



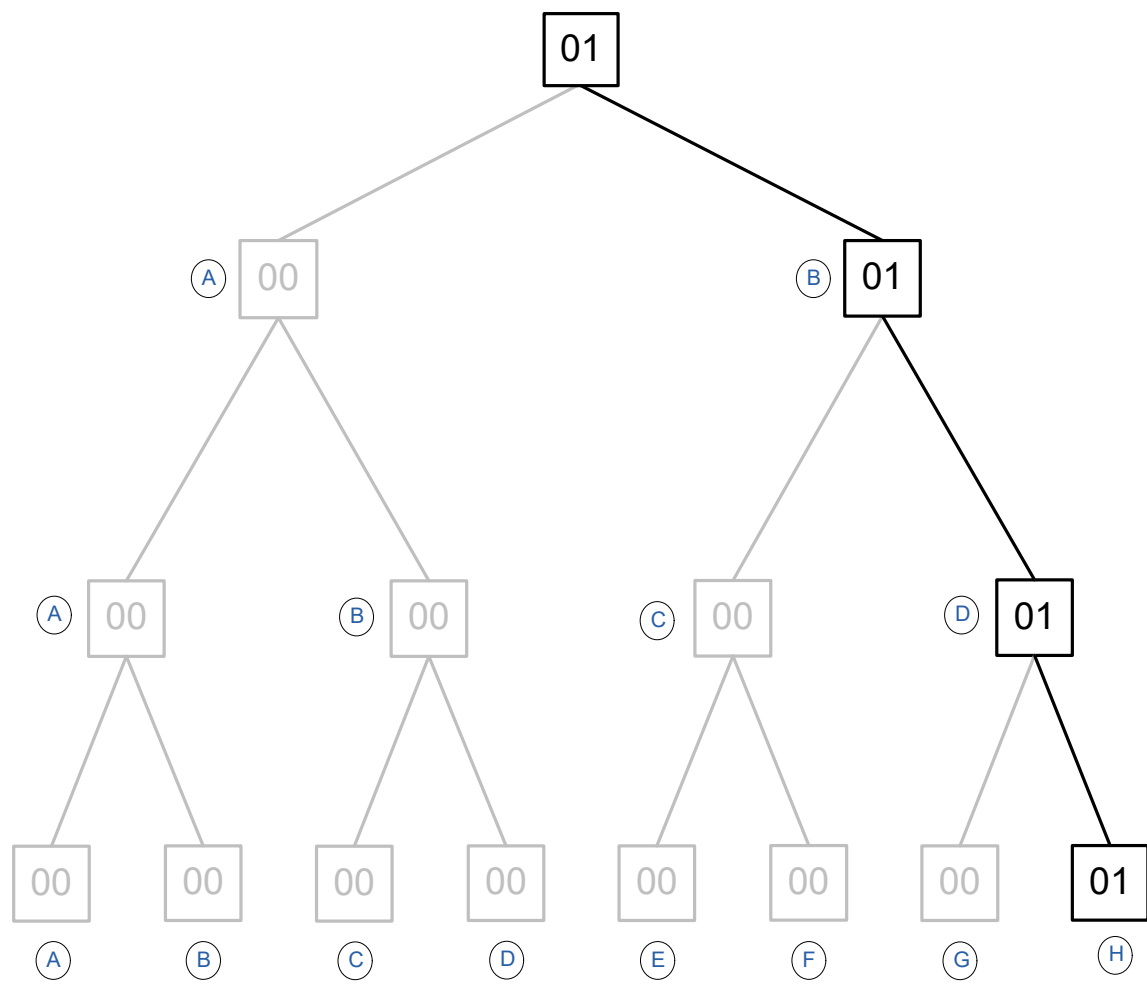
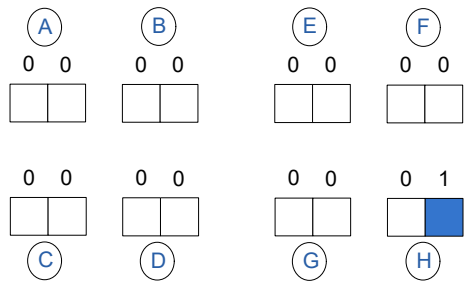
Second stage (Upper, Lower)



Third stage (left, right)



Fourth stage
all bits

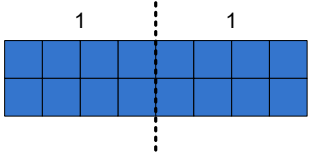


Concatenate pairs of bits in the tree that are not both zero 01 - 01 - 01 - 01 (8 bits)

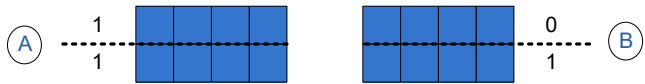
Bit code replacement of '01' with '0' 0 - 0 - 0 - 0 (4 bits)

Hit Map 0xFFFF

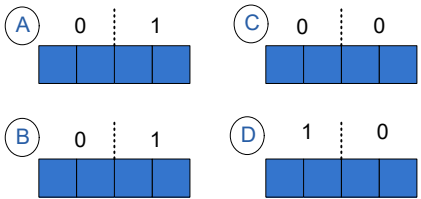
First stage (Left, Right)



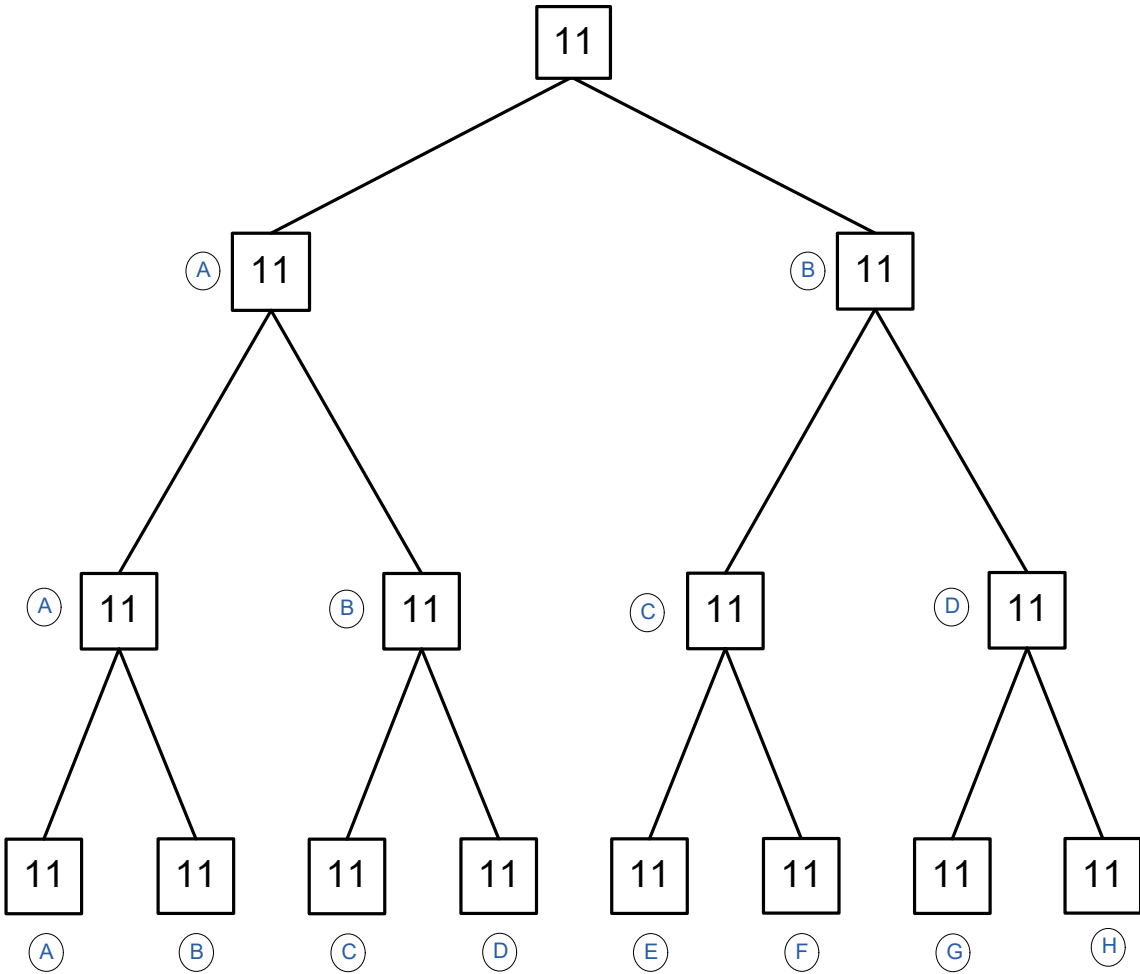
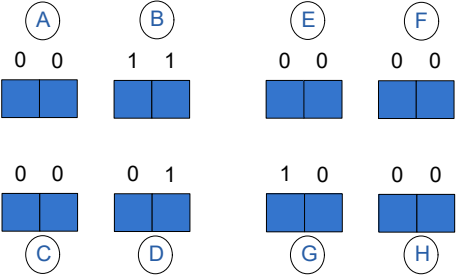
Second stage (Upper, Lower)



Third stage (left, right)



Fourth stage
all bits



Concatenate pairs of bits in the tree that are not both zero

11 - 11.11 - 11.11.11.11 - 11.11.11.11.11.11.11.11 (30 bits)

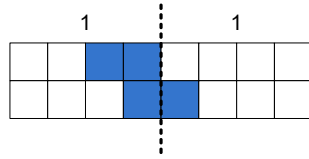
Bit code replacement of '01' with '0'

11 - 11.11 - 11.11.11.11 - 11.11.11.11.11.11.11.11 (30 bits)

Hit Map 0x3018

(Example from RD53B Manual)

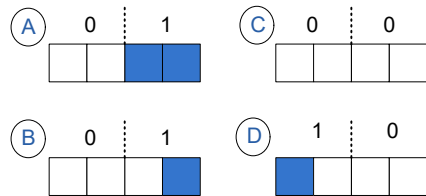
First stage (Left, Right)



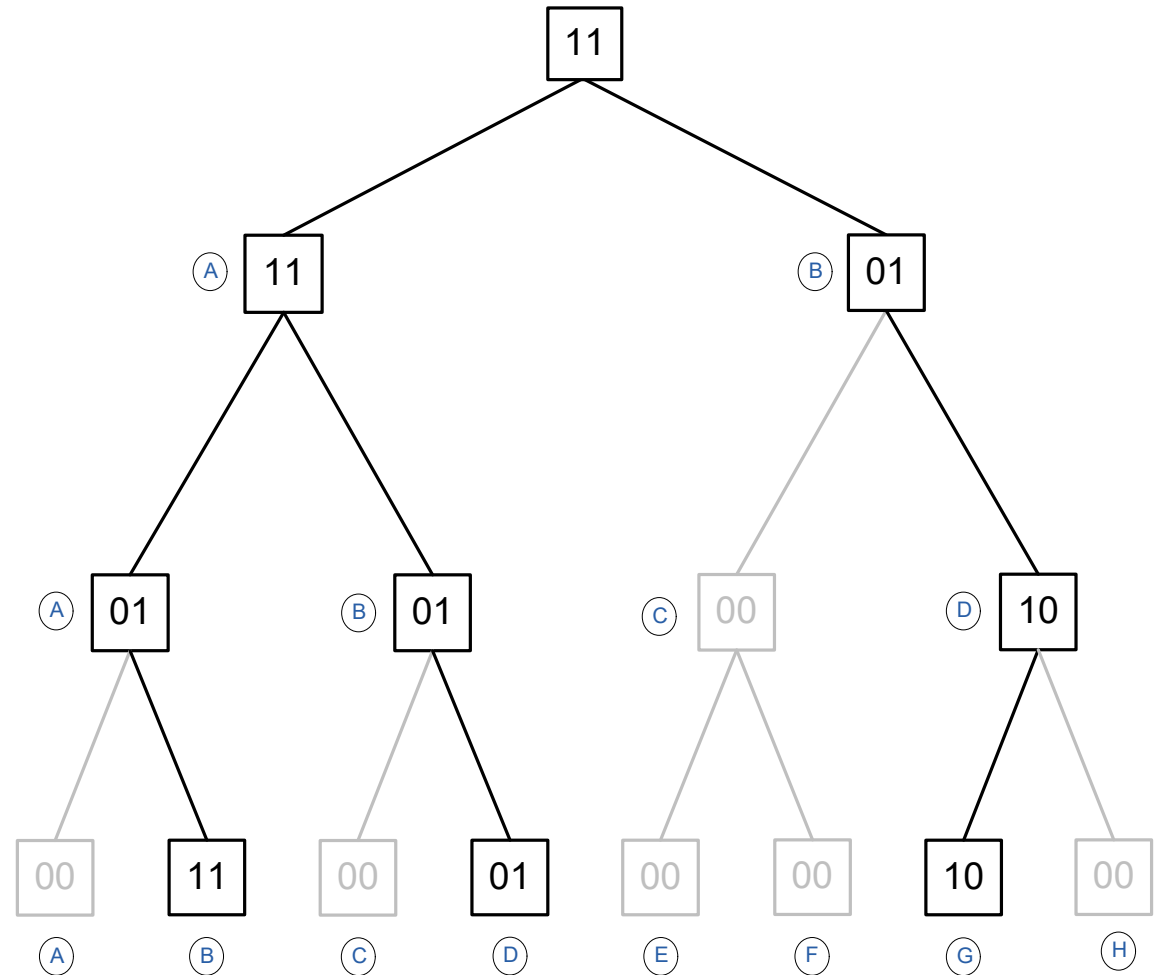
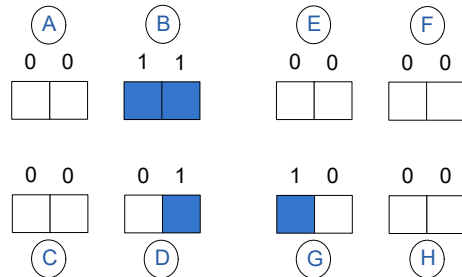
Second stage (Upper, Lower)



Third stage (left, right)



Fourth stage
all bits



Concatenate pairs of bits in the tree that are not both zero

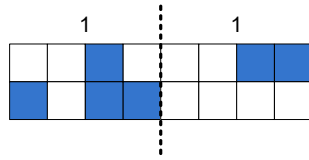
11 - 11.**01** - **01.01.10** - 11.**01.10** (18 bits)

Bit code replacement of '01' with '0'

11 - 11.**0** - **0.0.10** - 11.**0.10** (14 bits)

Hit Map 0x2350

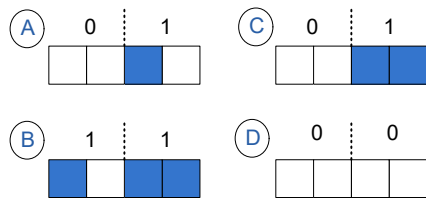
First stage (Left, Right)



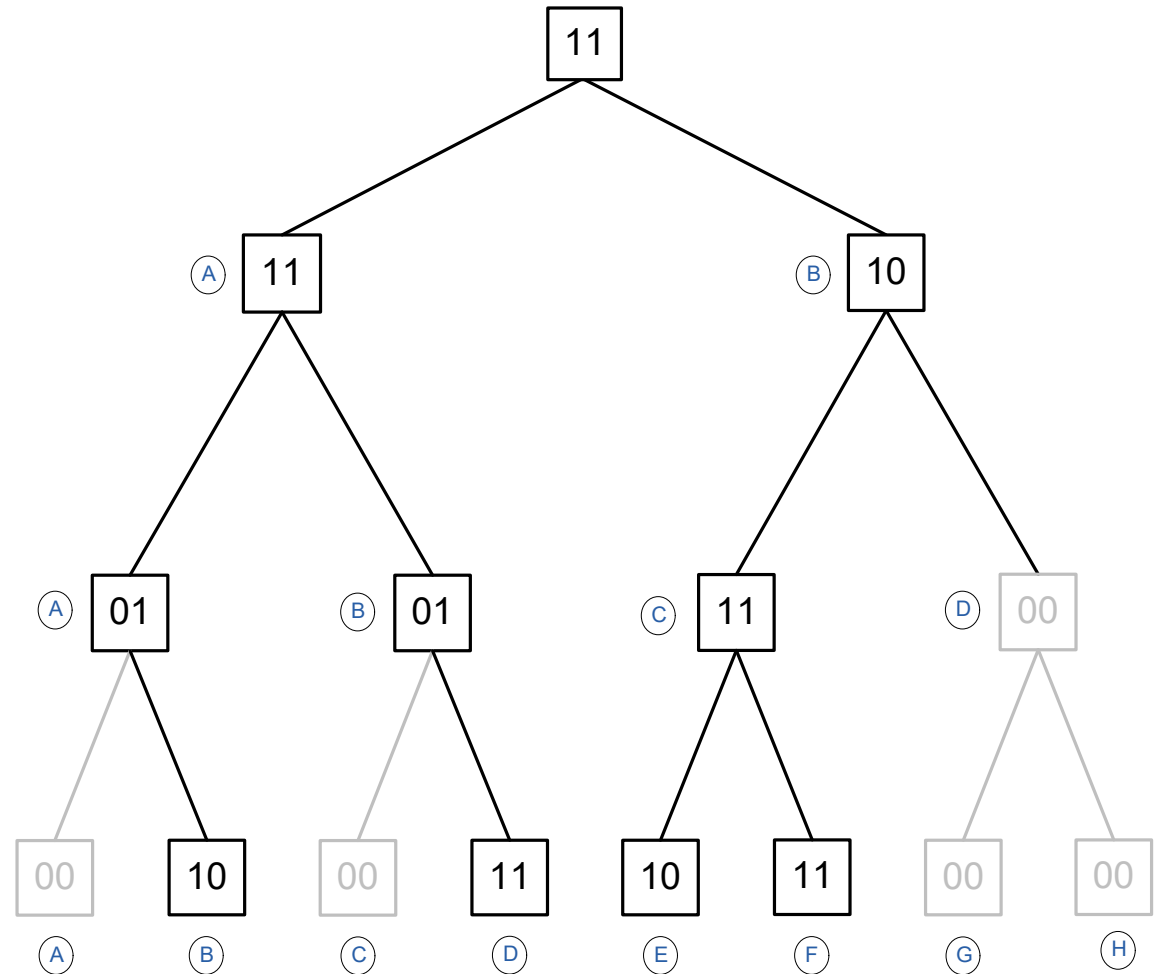
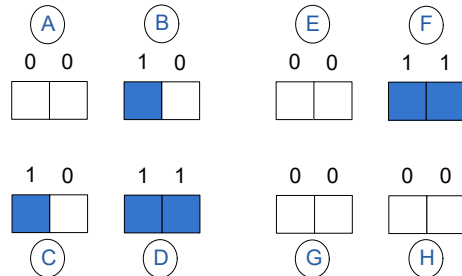
Second stage (Upper, Lower)



Third stage (left, right)



Fourth stage
all bits



Concatenate pairs of bits in the tree that are not both zero

11 - 11.10 - 01.01.11 - 10.11.10.11 (20 bits)

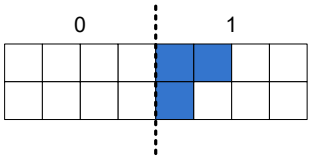
Bit code replacement of '01' with '0'

11 - 11.10 - 01.0.11 - 10.11.10.11 (19 bits)

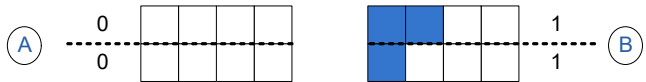


Hit Map 0x0C08

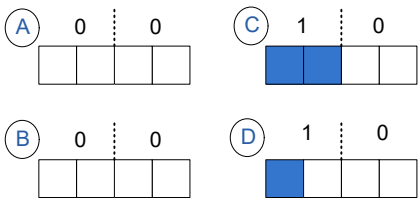
First stage (Left, Right)



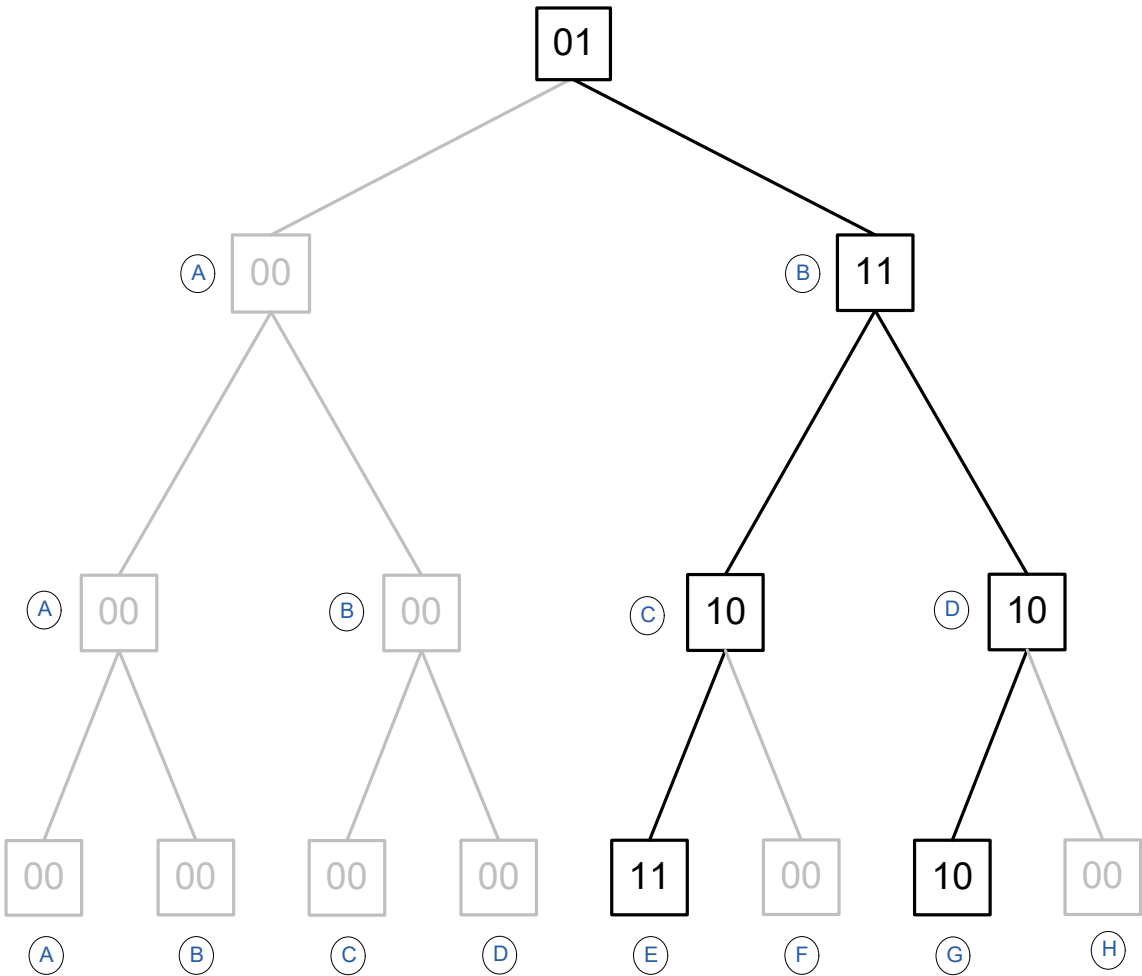
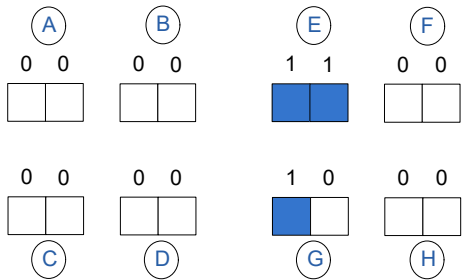
Second stage (Upper, Lower)



Third stage (left, right)



Fourth stage
all bits



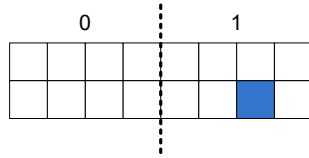
Concatenate pairs of bits in the tree that are not both zero **01** – 11 – 10.10 – 11.10 (12 bits)

Bit code replacement of '01' with '0' **0** – 0.0 – 10.10 – 11.10 (11 bits)

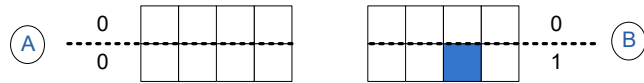
Hit Map 0x0002

(Example from RD53B Manual)

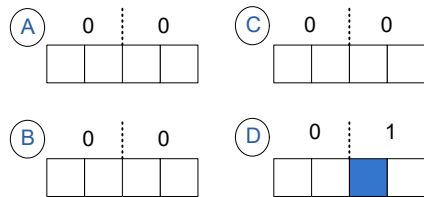
First stage (Left, Right)



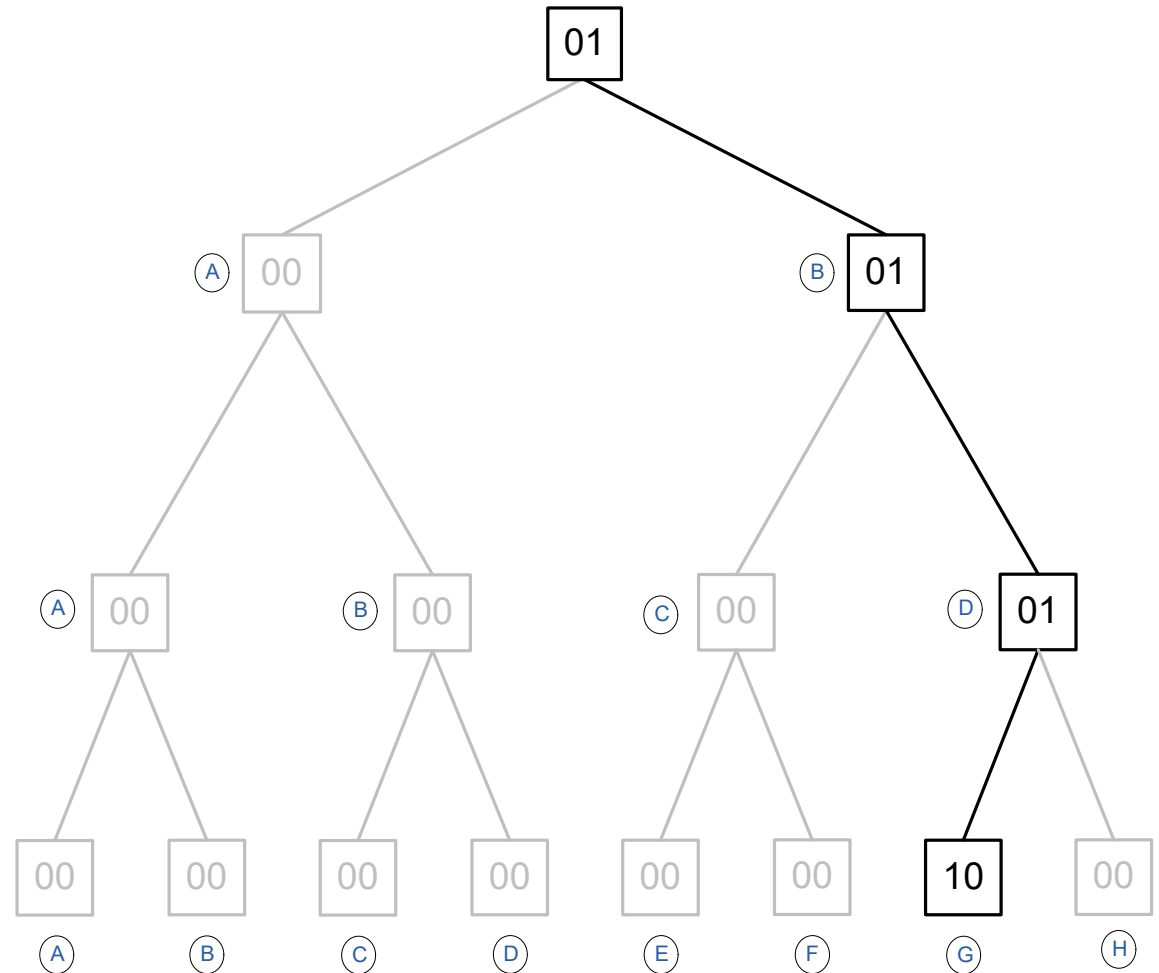
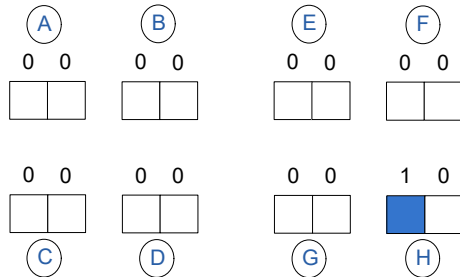
Second stage (Upper, Lower)



Third stage (left, right)



Fourth stage
all bits



Concatenate pairs of bits in the tree that are not both zero **01 - 01 - 01 - 10** (8 bits)

Bit code replacement of '01' with '0' **0 - 0 - 0 - 10** (5 bits)