```
b2i_bounds  THM

⊢  ∀b:𝔹. 0≤b2i(b) & b2i(b)≤1  by Analyze 0
|
1. b : 𝔹
⊢  0≤b2i(b) & b2i(b)≤1  by BoolCases 1 THEN AbReduce 0
END
```