Lucida Bright OT fonts

The unicode-math package now has these option settings: `[bold-style=ISO,math-style=ISO]`. The "bold-style" option causes bold math symbols to be typeset in italic typeface.

One problem remains: Using boldface in math mode.

The problem: Given the original in plain math.

Source: `$B_3\big(s,a,(a+4)/3\big)$`

Typeset: $B_3(s, a, (a+4)/3)$

I want B_3 to be in boldface in math mode with both B and its subscript 3 in boldface but with an upright subscript.

(1) Use the command `\boldmath{}`.
Source: `$\boldmath{B_3}\big(s,a,(a+4)/3\big)$`
Typeset: $\mathbf{B}_3(s, a, (a+4)/3)$.
Comment: B is bold but upright. The subscript 3 is bold and upright.

(2) Use the command `\mathbf`.
Source: `$\mathbf{B_3}\big(s,a,(a+4)/3\big)$`
Typeset: $\mathbf{B}_3(s, a, (a+4)/3)$
Comment: `\mathbf` changes `B_{3}` to boldface but B is upright and 3 is not bold.
Same as `\boldmath`

(3) Use unicode-symbol commands `\mbfitB` for B and `\mbfthree` for 3.
Source: `$\mbfitB_{\mbfthree}\big(s,a,(a+4)/3\big)$`
Typeset: $\boldsymbol{B}_3(s, a, (a+4)/3)$
Comment: Typeset output has bold B and 3, B is italic and 3 is upright.
This is the desired outcome.

(4) Use only the unicode-symbol command `\mbfitB`
Source: `$\mbfitB_{3}\big(s,a,(a+4)/3\big)$`
Typeset: $\boldsymbol{B}_3(s, a, (a+4)/3)$
Comment: B is bold and italic and 3 is upright but not bold.

(5) Use unicode command `\symbf` only for B
Source: `$\symbf{B}_{3}\big(s,a,(a+4)/3\big)$`
Typeset: $\boldsymbol{B}_3(s, a, (a+4)/3)$
Comment: B is bold and italic and 3 is upright but not bold.
Same as the immediately preceding item.

(6) Use unicode command \symbf for both B and 3
   Source: $\symbf{B_3}\big(s,a,(a+4)/3\big)$
   Typeset: $\boldsymbol{B_3}(s,a,(a+4)/3)$
   Comment: B is bold and italic, and 3 is bold and upright.
   This is the desired outcome.
   It is also the preferred approach because it is simpler and more general than using the command pair \mbfitB and \mbfthree.

(7) Use the command \bm{} from the "bm" package.
   Source: $\bm{B_3}\big(s,a,(a+4)/3\big)$
   Typeset: $\boldsymbol{\Gamma_3}(s,a,(a+4)/3)$.
   Comment: The typeset output is incorrect.
   Package bm does not work.