

31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
1	1	0	0	0	0	0	1	0	0	1	0	Zm	1	0	1	0	1	0	0	1	0	0	1	Zdn	0	1					
size<1>size<0>																															

```
BFMINNM { <Zdn1>.H-<Zdn4>.H }, { <Zdn1>.H-<Zdn4>.H }, <Zm>.H
```

```
if !HaveSME2() || !IsFeatureImplemented(FEAT_SVE_B16B16) then UNDEFINED
integer dn = UInt(Zdn:'00');
integer m = UInt('0':Zm);
constant integer nreg = 4;
```

Assembler Symbols

- <Zdn1> For the two registers variant: is the name of the first scalable vector register of a multi-vector sequence, encoded as "Zdn" times 2.
- For the four registers variant: is the name of the first scalable vector register of a multi-vector sequence, encoded as "Zdn" times 4.
- <Zdn4> Is the name of the fourth scalable vector register of a multi-vector sequence, encoded as "Zdn" times 4 plus 3.
- <Zdn2> Is the name of the second scalable vector register of a multi-vector sequence, encoded as "Zdn" times 2 plus 1.
- <Zm> Is the name of the second source scalable vector register Z0-Z15, encoded in the "Zm" field.

Operation

```
CheckStreamingSVEEnabled();
constant integer VL = CurrentVL;
constant integer elements = VL DIV 16;
array [0..3] of bits(VL) results;

for r = 0 to nreg-1
    bits(VL) operand1 = Z[dn+r, VL];
    bits(VL) operand2 = Z[m, VL];
    for e = 0 to elements-1
        bits(16) element1 = Elem[operand1, e, 16];
        bits(16) element2 = Elem[operand2, e, 16];
        Elem[results[r], e, 16] = BFMinNum(element1, element2, FPCR[]);

for r = 0 to nreg-1
    Z[dn+r, VL] = results[r];
```

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