

```

CheckSVEEnabled();
constant integer VL = CurrentVL;
constant integer pairs = VL DIV (esize * 2);
bits(VL) operand = Z[n, VL];
bits(VL) carries = Z[m, VL];
bits(VL) result = Z[da, VL];

for p = 0 to pairs-1
    bits(esize) element1 = Elem[result, 2*p + 0, esize];

```

```

bits(esize) element2 = Elem[operand, 2*p + 0, esize];
bit carry_in = Elem[carries, 2*p + 1, esize]<0>;

(res, nzcvc) = AddWithCarry(element1, NOT(element2), carry_in);
carry_out = nzcvc<1>;

Elem[result, 2*p + 0, esize] = res;
Elem[result, 2*p + 1, esize] = ZeroExtend(carry_out, esize);

Z[da, VL] = result;

```

Operational information

If FEAT_SVE2 is implemented or FEAT_SME is implemented, then if PSTATE.DIT is 1:

- The execution time of this instruction is independent of:
 - The values of the data supplied in any of its registers.
 - The values of the NZCV flags.
- The response of this instruction to asynchronous exceptions does not vary based on:
 - The values of the data supplied in any of its registers.
 - The values of the NZCV flags.

This instruction might be immediately preceded in program order by a MOVPRFX instruction. The MOVPRFX instruction must conform to all of the following requirements, otherwise the behavior of the MOVPRFX and this instruction is unpredictable:

- The MOVPRFX instruction must be unpredicated.
- The MOVPRFX instruction must specify the same destination register as this instruction.
- The destination register must not refer to architectural register state referenced by any other source operand register of this instruction.

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