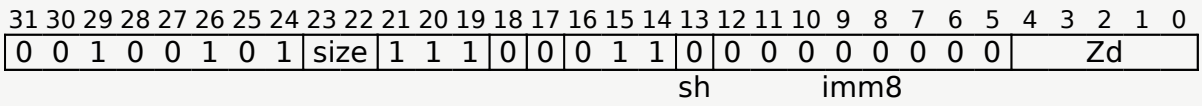
FMOV (zero, unpredicated)

Move floating-point +0.0 to vector elements (unpredicated)

Unconditionally broadcast the floating-point constant +0.0 into each element of the destination vector. This instruction is unpredicated.

This is a pseudo-instruction of DUP (immediate). This means:

- The encodings in this description are named to match the encodings of DUP (immediate).
- The assembler syntax is used only for assembly, and is not used on disassembly.
- The description of DUP (immediate) gives the operational pseudocode, any constrained unpredictable behavior, and any operational information for this instruction.




```
FMOV <Zd>.<T>, #0.0
```

is equivalent to

```
DUP <Zd>.<T>, #0
```

Assembler Symbols

<Zd> Is the name of the destination scalable vector register, encoded in the "Zd" field.

<T> Is the size specifier, encoded in “size”:

size	<T>
00	RESERVED
01	H
10	S
11	D

Operation

The description of DUP (immediate) gives the operational pseudocode for this instruction.

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.

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