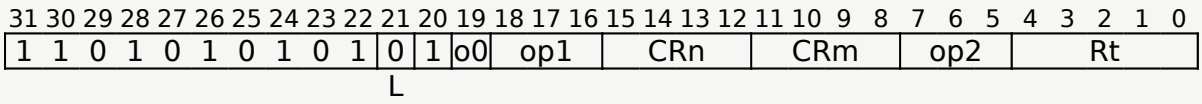
MSRR

Move two adjacent general-purpose registers to System Register allows the PE to write an AArch64 128-bit System register from two adjacent 64-bit general-purpose registers.

System
(FEAT_SYSREG128)




```
MSRR (<systemreg>|S<op0>_<op1>_<Cn>_<Cm>_<op2>), <Xt>, <Xt+1>
```

```
if !IsFeatureImplemented(FEAT_SYSREG128) then UNDEFINED;
if Rt<0> == '1' then UNDEFINED;
AArch64.CheckSystemAccess('1':o0, op1, CRn, CRm, op2, Rt, L);

integer t = UInt(Rt);
integer t2 = UInt(Rt + 1);

integer sys_op0 = 2 + UInt(o0);
integer sys_op1 = UInt(op1);
integer sys_op2 = UInt(op2);
integer sys_crn = UInt(CRn);
integer sys_crm = UInt(CRm);
```

Assembler Symbols

<systemreg> Is a System register name, encoded in "o0:op1:CRn:CRm:op2".

<op0> Is an unsigned immediate, encoded in “o0”:

o0	<op0>
0	2
1	3

<op1> Is a 3-bit unsigned immediate, in the range 0 to 7, encoded in the "op1" field.

<Cn> Is a name 'Cn', with 'n' in the range 0 to 15, encoded in the "CRn" field.

<Cm> Is a name 'Cm', with 'm' in the range 0 to 15, encoded in the "CRm" field.

<op2> Is a 3-bit unsigned immediate, in the range 0 to 7, encoded in the "op2" field.

<Xt>	Is the 64-bit name of the first general-purpose source register, encoded in the "Rt" field.
<Xt+1>	Is the 64-bit name of the second general-purpose source register, encoded as "Rt" +1.

Operation

```
AArch64.SysRegWrite128(sys_op0, sys_op1, sys_crn, sys_crm, sys_op2, t,
```

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