

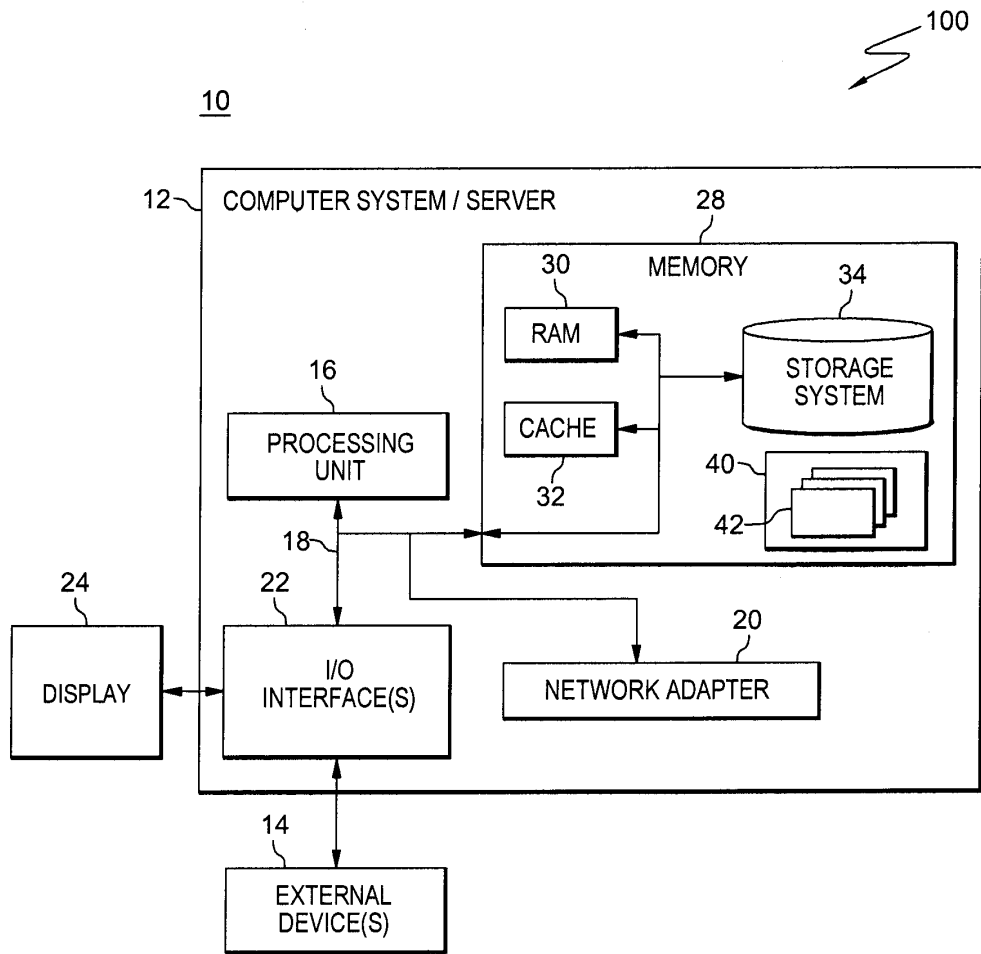


FIG. 1A

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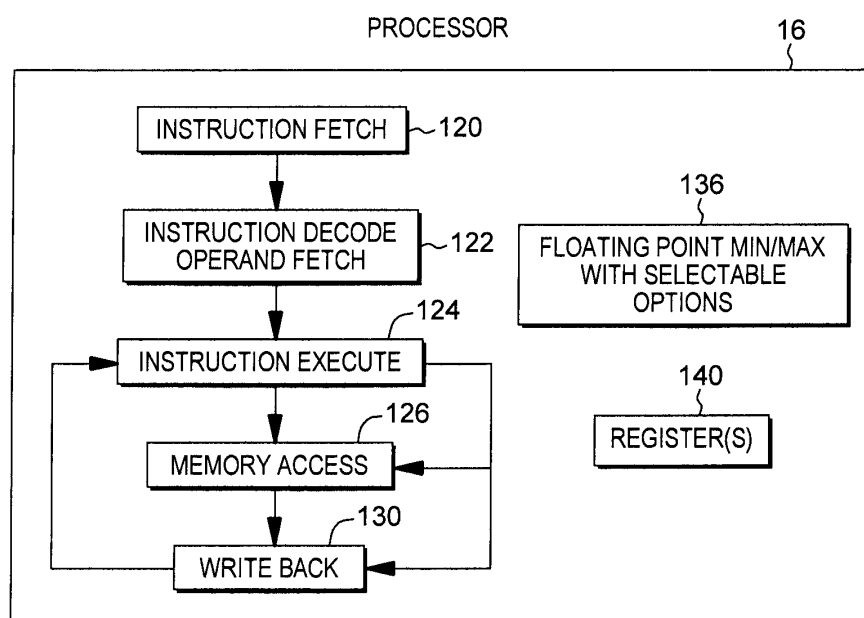


FIG. 1B

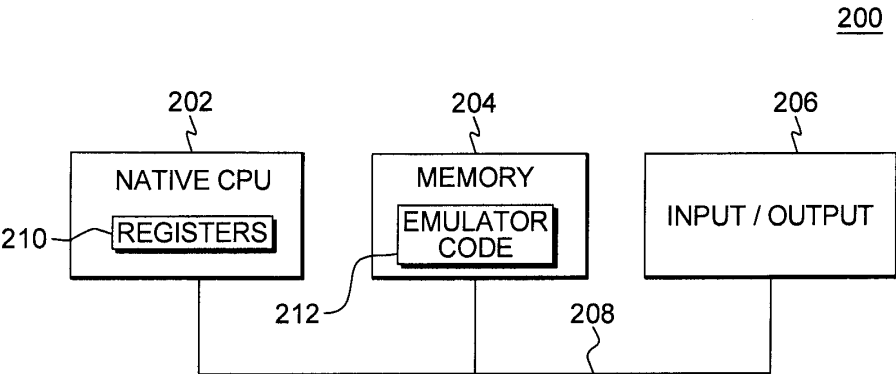


FIG. 2A

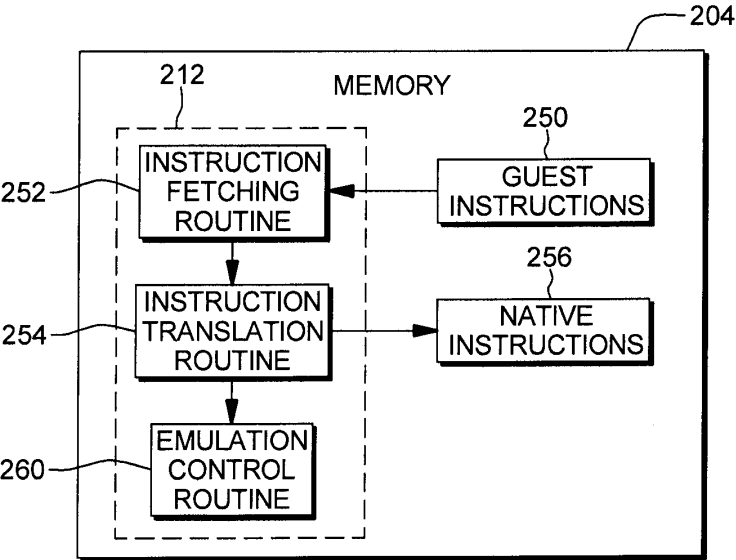


FIG. 2B

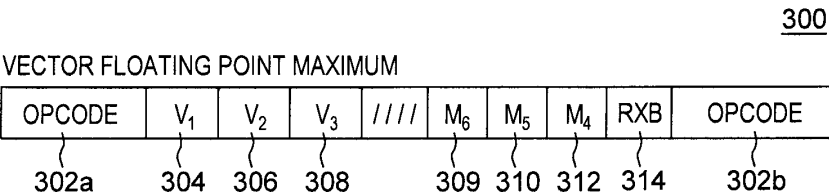


FIG. 3A

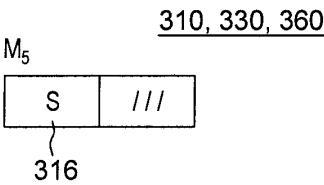


FIG. 3B

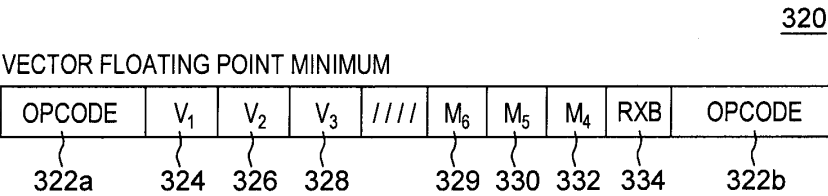


FIG. 3C

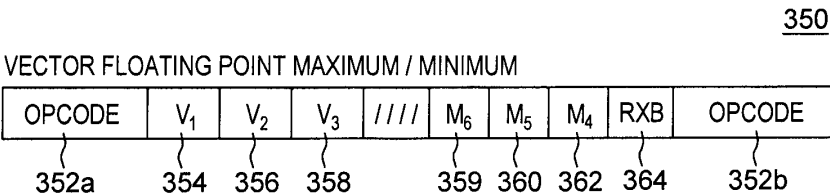


FIG. 3D

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RESULTS FOR $M_6=0$

Second	Results for VECTOR FP MAXIMUM (a:b) when Third Operand (b) Is							
Operand (a) Is	$-\infty$	-Fn	-0	+0	+Fn	$+\infty$	QNaN	SNaN
$-\infty$	T(a)	T(b)	T(b)	T(b)	T(b)	T(b)	T(a)	Xi: T(b*)
-Fn	T(a)	T(M(a,b))	T(b)	T(b)	T(b)	T(b)	T(a)	Xi: T(b*)
-0	T(a)	T(a)	T(a)	T(b)	T(b)	T(b)	T(a)	Xi: T(b*)
+0	T(a)	T(a)	T(a)	T(a)	T(b)	T(b)	T(a)	Xi: T(b*)
+Fn	T(a)	T(a)	T(a)	T(a)	T(M(a,b))	T(b)	T(a)	Xi: T(b*)
$+\infty$	T(a)	T(a)	T(a)	T(a)	T(a)	T(a)	T(a)	Xi: T(b*)
QNaN	T(b)	T(b)	T(b)	T(b)	T(b)	T(b)	T(a)	Xi: T(b*)
SNaN	Xi: T(a*)	Xi: T(a*)	Xi: T(a*)	Xi: T(a*)	Xi: T(a*)	Xi: T(a*)	Xi: T(a*)	Xi: T(a*)

Explanation:

* The SNaN is converted to the corresponding QNaN before it is placed in the target operand location.
T(x) The value x is placed at the target operand element location if no trapping exceptions on other elements.
M(x,y) Return the greater of floating point value x and y.
Fn Finite nonzero number (includes both subnormal and normal).
Xi: IEEE invalid-operation exception. The results shown are produced only when FPC 0.0 is zero.

FIG. 4A

RESULTS FOR $M_6=1$

Second	Results for VECTOR FP MAXIMUM (a:b) when Third Operand (b) Is							
Operand (a) Is	$-\infty$	-Fn	-0	+0	+Fn	$+\infty$	QNaN	SNaN
$-\infty$	T(a)	T(b)	T(b)	T(b)	T(b)	T(b)	T(b)	Xi: T(b*)
-Fn	T(a)	T(M(a,b))	T(b)	T(b)	T(b)	T(b)	T(b)	Xi: T(b*)
-0	T(a)	T(a)	T(a)	T(b)	T(b)	T(b)	T(b)	Xi: T(b*)
+0	T(a)	T(a)	T(a)	T(a)	T(b)	T(b)	T(b)	Xi: T(b*)
+Fn	T(a)	T(a)	T(a)	T(a)	T(M(a,b))	T(b)	T(b)	Xi: T(b*)
$+\infty$	T(a)	T(a)	T(a)	T(a)	T(a)	T(a)	T(b)	Xi: T(b*)
QNaN	T(a)	T(a)	T(a)	T(a)	T(a)	T(a)	T(a)	Xi: T(b*)
SNaN	Xi: T(a*)	Xi: T(a*)	Xi: T(a*)	Xi: T(a*)	Xi: T(a*)	Xi: T(a*)	Xi: T(a*)	Xi: T(a*)

Explanation:

* The SNaN is converted to the corresponding QNaN before it is placed in the target operand location.
T(x) The value x is placed at the target operand element location if no trapping exceptions on other elements.
M(x,y) Return the greater of floating point value x and y.
Fn Finite nonzero number (includes both subnormal and normal).
Xi: IEEE invalid-operation exception. The results shown are produced only when FPC 0.0 is zero.

FIG. 4B

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RESULTS FOR $M_6=2$

Second	Results for VECTOR FP MAXIMUM (a:b) when Third Operand (b) Is							
Operand (a) Is	$-\infty$	-Fn	-0	+0	+Fn	$+\infty$	QNaN	SNaN
$-\infty$	T(b)	T(b)	T(b)	T(b)	T(b)	T(b)	Xi: T(b)	Xi: T(b)
-Fn	T(a)	T(M(a,b))	T(b)	T(b)	T(b)	T(b)	Xi: T(b)	Xi: T(b)
-0	T(a)	T(a)	T(b)	T(b)	T(b)	T(b)	Xi: T(b)	Xi: T(b)
+0	T(a)	T(a)	T(b)	T(b)	T(b)	T(b)	Xi: T(b)	Xi: T(b)
+Fn	T(a)	T(a)	T(a)	T(a)	T(M(a,b))	T(b)	Xi: T(b)	Xi: T(b)
$+\infty$	T(a)	T(a)	T(a)	T(a)	T(a)	T(b)	Xi: T(b)	Xi: T(b)
QNaN	Xi: T(b)	Xi: T(b)	Xi: T(b)	Xi: T(b)	Xi: T(b)	Xi: T(b)	Xi: T(b)	Xi: T(b)
SNaN	Xi: T(b)	Xi: T(b)	Xi: T(b)	Xi: T(b)	Xi: T(b)	Xi: T(b)	Xi: T(b)	Xi: T(b)

Explanation:

T(x) The value x is placed at the target operand element location if no trapping exceptions on other elements.
M(x,y) Return the greater of floating point value x and y.
Fn Finite nonzero number (includes both subnormal and normal).
Xi: IEEE invalid-operation exception. The results shown are produced only when FPC 0.0 is zero.

FIG. 4C

RESULTS FOR $M_6=3$

Seconds	Results for VECTOR FP MAXIMUM (a:b) when Third Operand (b) Is							
Operand (a) Is	$-\infty$	-Fn	-0	+0	+Fn	$+\infty$	QNaN	SNaN
$-\infty$	T(a)	T(b)	T(b)	T(b)	T(b)	T(b)	Xi: T(a)	Xi: T(a)
-Fn	T(a)	T(M(a,b))	T(b)	T(b)	T(b)	T(b)	Xi: T(a)	Xi: T(a)
-0	T(a)	T(a)	T(a)	T(a)	T(b)	T(b)	Xi: T(a)	Xi: T(a)
+0	T(a)	T(a)	T(a)	T(a)	T(b)	T(b)	Xi: T(a)	Xi: T(a)
+Fn	T(a)	T(a)	T(a)	T(a)	T(M(a,b))	T(b)	Xi: T(a)	Xi: T(a)
$+\infty$	T(a)	T(a)	T(a)	T(a)	T(a)	T(a)	Xi: T(a)	Xi: T(a)
QNaN	Xi: T(a)	Xi: T(a)	Xi: T(a)	Xi: T(a)	Xi: T(a)	Xi: T(a)	Xi: T(a)	Xi: T(a)
SNaN	Xi: T(a)	Xi: T(a)	Xi: T(a)	Xi: T(a)	Xi: T(a)	Xi: T(a)	Xi: T(a)	Xi: T(a)

Explanation:

T(x) The value x is placed at the target operand element location if no trapping exceptions on other elements.
M(x,y) Return the greater of floating point value x and y.
Fn Finite nonzero number (includes both subnormal and normal).
Xi: IEEE invalid-operation exception. The results shown are produced only when FPC 0.0 is zero.

FIG. 4D

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RESULTS FOR $M_6=4$

Second	Results for VECTOR FP MAXIMUM (a:b) when Third Operand (b) Is							
Operand (a) Is	$-\infty$	-Fn	-0	+0	+Fn	$+\infty$	QNaN	SNaN
$-\infty$	T(a)	T(b)	T(b)	T(b)	T(b)	T(b)	T(a)	Xi: T(a)
-Fn	T(a)	T(M(a,b))	T(b)	T(b)	T(b)	T(b)	T(a)	Xi: T(a)
-0	T(a)	T(a)	T(a)	T(b)	T(b)	T(b)	T(a)	Xi: T(a)
+0	T(a)	T(a)	T(a)	T(a)	T(b)	T(b)	T(a)	Xi: T(a)
+Fn	T(a)	T(a)	T(a)	T(a)	T(M(a,b))	T(b)	T(a)	Xi: T(a)
$+\infty$	T(a)	T(a)	T(a)	T(a)	T(a)	T(a)	T(a)	Xi: T(a)
QNaN	T(b)	T(b)	T(b)	T(b)	T(b)	T(b)	T(a)	Xi: T(a)
SNaN	Xi: T(b)	Xi: T(b)	Xi: T(b)	Xi: T(b)	Xi: T(b)	Xi: T(b)	Xi: T(a)	Xi: T(a)

Explanation:

T(x) The value x is placed at the target operand element location if no trapping exceptions on other elements.
M(x,y) Return the greater of floating point value x and y.
Fn Finite nonzero number (includes both subnormal and normal).
Xi: IEEE invalid-operation exception. The results shown are produced only when FPC 0.0 is zero.

FIG. 4E

RESULTS FOR $M_6=8$

Second	Results for VECTOR FP MAXIMUM (a:b) when Third Operand (b) Is							
Operand (a) Is	$-\infty$	-Fn	-0	+0	+Fn	$+\infty$	QNaN	SNaN
$-\infty$	T(a)	T(a)	T(a)	T(a)	T(a)	T(b)	T(a)	Xi: T(b*)
-Fn	T(b)	T(MS(a,b))	T(a)	T(a)	T(MS(a,b))	T(b)	T(a)	Xi: T(b*)
-0	T(b)	T(b)	T(a)	T(b)	T(b)	T(b)	T(a)	Xi: T(b*)
+0	T(b)	T(b)	T(a)	T(a)	T(b)	T(b)	T(a)	Xi: T(b*)
+Fn	T(b)	T(MS(a,b))	T(a)	T(a)	T(MS(a,b))	T(b)	T(a)	Xi: T(b*)
$+\infty$	T(a)	T(a)	T(a)	T(a)	T(a)	T(a)	T(a)	Xi: T(b*)
QNaN	T(b)	T(b)	T(b)	T(b)	T(b)	T(b)	T(a)	Xi: T(b*)
SNaN	Xi: T(a*)	Xi: T(a*)	Xi: T(a*)	Xi: T(a*)	Xi: T(a*)	Xi: T(a*)	Xi: T(a*)	Xi: T(a*)

Explanation:

* The SNaN is converted to the corresponding QNaN before it is placed in the target operand location.
T(x) The value x is placed at the target operand element location if no trapping exceptions on other elements.
M(x,y) Return the greater of floating point value x and y.
MS(x,y) If $|x| = |y|$ return M(x,y), return x if $|x| > |y|$, otherwise return y
Fn Finite nonzero number (includes both subnormal and normal).
Xi: IEEE invalid-operation exception. The results shown are produced only when FPC 0.0 is zero.

FIG. 4F

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RESULTS FOR $M_6=9$

Second Operand (a) Is	Results for VECTOR FP MAXIMUM (a:b) when Third Operand (b) Is				
	0	Fn	∞	QNaN	SNaN
0	$T(a)$	$T(b)$	$T(b)$	$T(b)$	$\text{Xi: } T(b^*)$
Fn	$T(a)$	$T(M(a , b))$	$T(b)$	$T(b)$	$\text{Xi: } T(b^*)$
∞	$T(a)$	$T(a)$	$T(a)$	$T(b)$	$\text{Xi: } T(b^*)$
QNaN	$T(a)$	$T(a)$	$T(a)$	$T(a)$	$\text{Xi: } T(b^*)$
SNaN	$\text{Xi: } T(a^*)$	$\text{Xi: } T(a^*)$	$\text{Xi: } T(a^*)$	$\text{Xi: } T(a^*)$	$\text{Xi: } T(a^*)$

Explanation:

* The SNaN is converted to the corresponding QNaN before it is placed in the target operand location.

|z| The value of z is used with the sign forced to be positive.

T(x) The value x is placed at the target operand element location if no trapping exceptions on other elements.

M(x,y) Return the greater of floating point value x and y.

Fn Finite nonzero number (includes both subnormal and normal).

Xi: IEEE invalid-operation exception. The results shown are produced only when FPC 0.0 is zero.

FIG. 4G

RESULTS FOR $M_6=10$

Second Operand (a) Is	Results for VECTOR FP MAXIMUM (a:b) when Third Operand (b) Is				
	0	Fn	∞	QNaN	SNaN
0	$T(b)$	$T(b)$	$T(b)$	$\text{Xi: } T(b)$	$\text{Xi: } T(b)$
Fn	$T(a)$	$T(M(a , b))$	$T(b)$	$\text{Xi: } T(b)$	$\text{Xi: } T(b)$
∞	$T(a)$	$T(a)$	$T(b)$	$\text{Xi: } T(b)$	$\text{Xi: } T(b)$
QNaN	$\text{Xi: } T(b)$	$\text{Xi: } T(b)$	$\text{Xi: } T(b)$	$\text{Xi: } T(b)$	$\text{Xi: } T(b)$
SNaN	$\text{Xi: } T(b)$	$\text{Xi: } T(b)$	$\text{Xi: } T(b)$	$\text{Xi: } T(b)$	$\text{Xi: } T(b)$

Explanation:

|z| The value of z is used with the sign forced to be positive.

T(x) The value x is placed at the target operand element location if no trapping exceptions on other elements.

M(x,y) Return the greater of floating point value x and y.

Fn Finite nonzero number (includes both subnormal and normal).

Xi: IEEE invalid-operation exception. The results shown are produced only when FPC 0.0 is zero.

FIG. 4H

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RESULTS FOR $M_6=11$

Second Operand (a) Is	Results for VECTOR FP MAXIMUM (a:b) when Third Operand (b) Is				
	0	Fn	∞	QNaN	SNaN
0	T(a)	T(b)	T(b)	Xi: T(a)	Xi: T(a)
Fn	T(a)	T(M(a , b))	T(b)	Xi: T(a)	Xi: T(a)
∞	T(a)	T(a)	T(a)	Xi: T(a)	Xi: T(a)
QNaN	Xi: T(a)	Xi: T(a)	Xi: T(a)	Xi: T(a)	Xi: T(a)
SNaN	Xi: T(a)	Xi: T(a)	Xi: T(a)	Xi: T(a)	Xi: T(a)

Explanation:

|z| The value of z is used with the sign forced to be positive.
T(x) The value x is placed at the target operand element location if no trapping exceptions on other elements.
M(x,y) Return the greater of floating point value x and y.
Fn Finite nonzero number (includes both subnormal and normal).
Xi: IEEE invalid-operation exception. The results shown are produced only when FPC 0.0 is zero.

FIG. 4I

RESULTS FOR $M_6=12$

Second Operand (a) Is	Results for VECTOR FP MAXIMUM (a:b) when Third Operand (b) Is				
	0	Fn	∞	QNaN	SNaN
0	T(a)	T(b)	T(b)	T(a)	Xi: T(a)
Fn	T(a)	T(M(a , b))	T(b)	T(a)	Xi: T(a)
∞	T(a)	T(a)	T(a)	T(a)	Xi: T(a)
QNaN	T(b)	T(b)	T(b)	T(a)	Xi: T(a)
SNaN	Xi: T(b)	Xi: T(b)	Xi: T(b)	Xi: T(a)	Xi: T(a)

Explanation:

T(x) The value x is placed at the target operand element location if no trapping exceptions on other elements.
M(x,y) Return the greater of floating point value x and y.
Fn Finite nonzero number (includes both subnormal and normal).
Xi: IEEE invalid-operation exception. The results shown are produced only when FPC 0.0 is zero.

FIG. 4J

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RESULTS FOR $M_6=0$

Second	Results for VECTOR FP MINIMUM (a:b) when Third Operand (b) is							
Operand (a) is	$-\infty$	-Fn	-0	+0	+Fn	$+\infty$	QNaN	SNaN
$-\infty$	T(a)	T(a)	T(a)	T(a)	T(a)	T(a)	T(a)	Xi: T(b*)
-Fn	T(b)	T(M(a,b))	T(a)	T(a)	T(a)	T(a)	T(a)	Xi: T(b*)
-0	T(b)	T(b)	T(a)	T(a)	T(a)	T(a)	T(a)	Xi: T(b*)
+0	T(b)	T(b)	T(b)	T(a)	T(a)	T(a)	T(a)	Xi: T(b*)
+Fn	T(b)	T(b)	T(b)	T(b)	T(M(a,b))	T(a)	T(a)	Xi: T(b*)
$+\infty$	T(b)	T(b)	T(b)	T(b)	T(b)	T(a)	T(a)	Xi: T(b*)
QNaN	T(b)	T(b)	T(b)	T(b)	T(b)	T(b)	T(a)	Xi: T(b*)
SNaN	Xi: T(a*)	Xi: T(a*)	Xi: T(a*)	Xi: T(a*)	Xi: T(a*)	Xi: T(a*)	Xi: T(a*)	Xi: T(a*)

Explanation:

* The SNaN is converted to the corresponding QNaN before it is placed in the target operand location.
T(x) The value x is placed at the target operand element location if no trapping exceptions on other elements.
M(x,y) Return the lesser of floating point value x and y.
Fn Finite nonzero number (includes both subnormal and normal).
Xi: IEEE invalid-operation exception. The results shown are produced only when FPC 0.0 is zero.

FIG. 4K

RESULTS FOR $M_6=1$

Second	Results for VECTOR FP MINIMUM (a:b) when Third Operand (b) is							
Operand (a) is	$-\infty$	-Fn	-0	+0	+Fn	$+\infty$	QNaN	SNaN
$-\infty$	T(b)	T(a)	T(a)	T(a)	T(a)	T(a)	T(b)	Xi: T(b*)
-Fn	T(b)	T(M(a,b))	T(a)	T(a)	T(a)	T(a)	T(b)	Xi: T(b*)
-0	T(b)	T(b)	T(b)	T(a)	T(a)	T(a)	T(b)	Xi: T(b*)
+0	T(b)	T(b)	T(b)	T(b)	T(a)	T(a)	T(b)	Xi: T(b*)
+Fn	T(b)	T(b)	T(b)	T(b)	T(M(a,b))	T(a)	T(b)	Xi: T(b*)
$+\infty$	T(b)	T(b)	T(b)	T(b)	T(b)	T(b)	T(b)	Xi: T(b*)
QNaN	T(a)	T(a)	T(a)	T(a)	T(a)	T(a)	T(a)	Xi: T(b*)
SNaN	Xi: T(a*)	Xi: T(a*)	Xi: T(a*)	Xi: T(a*)	Xi: T(a*)	Xi: T(a*)	Xi: T(a*)	Xi: T(a*)

Explanation:

* The SNaN is converted to the corresponding QNaN before it is placed in the target operand location.
T(x) The value x is placed at the target operand element location if no trapping exceptions on other elements.
M(x,y) Return the lesser of floating point values x and y.
Fn Finite nonzero number (includes both subnormal and normal).
Xi: IEEE invalid-operation exception. The results shown are produced only when FPC 0.0 is zero.

FIG. 4L

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RESULTS FOR $M_6=2$

Second	Results for VECTOR FP MINIMUM (a:b) when Third Operand (b) is							
Operand (a) is	$-\infty$	-Fn	-0	+0	+Fn	$+\infty$	QNaN	SNaN
$-\infty$	T(b)	T(a)	T(a)	T(a)	T(a)	T(a)	Xi: T(b)	Xi: T(b)
-Fn	T(b)	T(M(a,b))	T(a)	T(a)	T(a)	T(a)	Xi: T(b)	Xi: T(b)
-0	T(b)	T(b)	T(b)	T(b)	T(a)	T(a)	Xi: T(b)	Xi: T(b)
+0	T(b)	T(b)	T(b)	T(b)	T(a)	T(a)	Xi: T(b)	Xi: T(b)
+Fn	T(b)	T(b)	T(b)	T(b)	T(M(a,b))	T(a)	Xi: T(b)	Xi: T(b)
$+\infty$	T(b)	T(b)	T(b)	T(b)	T(b)	T(a)	Xi: T(b)	Xi: T(b)
QNaN	Xi: T(b)	Xi: T(b)	Xi: T(b)	Xi: T(b)	Xi: T(b)	Xi: T(b)	Xi: T(b)	Xi: T(b)
SNaN	Xi: T(b)	Xi: T(b)	Xi: T(b)	Xi: T(b)	Xi: T(b)	Xi: T(b)	Xi: T(b)	Xi: T(b)

Explanation:

T(x) The value x is placed at the target operand element location if no trapping exceptions on other elements.
M(x,y) Return the lesser of floating point value x and y.
Fn Finite nonzero number (includes both subnormal and normal).
Xi: IEEE invalid-operation exception. The results shown are produced only when FPC 0.0 is zero.

FIG. 4M

RESULTS FOR $M_6=3$

Second	Results for VECTOR FP MINIMUM (a:b) when Third Operand (b) is							
Operand (a) is	$-\infty$	-Fn	-0	+0	+Fn	$+\infty$	QNaN	SNaN
$-\infty$	T(b)	T(a)	T(a)	T(a)	T(a)	T(a)	Xi: T(a)	Xi: T(a)
-Fn	T(b)	T(M(a,b))	T(a)	T(a)	T(a)	T(a)	Xi: T(a)	Xi: T(a)
-0	T(b)	T(b)	T(a)	T(a)	T(a)	T(a)	Xi: T(a)	Xi: T(a)
+0	T(b)	T(b)	T(a)	T(a)	T(a)	T(a)	Xi: T(a)	Xi: T(a)
+Fn	T(b)	T(b)	T(b)	T(b)	T(M(a,b))	T(a)	Xi: T(a)	Xi: T(a)
$+\infty$	T(b)	T(b)	T(b)	T(b)	T(b)	T(a)	Xi: T(a)	Xi: T(a)
QNaN	Xi: T(a)	Xi: T(a)	Xi: T(a)	Xi: T(a)	Xi: T(a)	Xi: T(a)	Xi: T(a)	Xi: T(a)
SNaN	Xi: T(a)	Xi: T(a)	Xi: T(a)	Xi: T(a)	Xi: T(a)	Xi: T(a)	Xi: T(a)	Xi: T(a)

Explanation:

T(x) The value x is placed at the target operand element location if no trapping exceptions on other elements.
M(x,y) Return the lesser of floating point value x and y.
Fn Finite nonzero number (includes both subnormal and normal).
Xi: IEEE invalid-operation exception. The results shown are produced only when FPC 0.0 is zero.

FIG. 4N

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RESULTS FOR $M_6=4$

Second	Results for VECTOR FP MINIMUM (a:b) when Third Operand (b) is							
Operand (a) is	$-\infty$	-Fn	-0	+0	+Fn	$+\infty$	QNaN	SNaN
$-\infty$	T(a)	T(a)	T(a)	T(a)	T(a)	T(a)	T(a)	Xi:T(a)
-Fn	T(b)	T(M(a,b))	T(a)	T(a)	T(a)	T(a)	T(a)	Xi:T(a)
-0	T(b)	T(b)	T(a)	T(a)	T(a)	T(a)	T(a)	Xi:T(a)
+0	T(b)	T(b)	T(b)	T(a)	T(a)	T(a)	T(a)	Xi:T(a)
+Fn	T(b)	T(b)	T(b)	T(b)	T(M(a,b))	T(a)	T(a)	Xi:T(a)
$+\infty$	T(b)	T(b)	T(b)	T(b)	T(b)	T(a)	T(a)	Xi:T(a)
QNaN	T(b)	T(b)	T(b)	T(b)	T(b)	T(b)	T(a)	Xi:T(a)
SNaN	Xi:T(b)	Xi:T(b)	Xi:T(b)	Xi:T(b)	Xi:T(b)	Xi:T(b)	Xi:T(a)	Xi:T(a)

Explanation:

T(x) The value x is placed at the target operand element location if no trapping exceptions on other elements.
M(x,y) Return the lesser of floating point value x and y.
Fn Finite nonzero number (includes both subnormal and normal).
Xi: IEEE invalid-operation exception. The results shown are produced only when FPC 0.0 is zero.

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RESULTS FOR $M_6=8$

Second	Results for VECTOR FP MINIMUM (a:b) when Third Operand (b) is							
Operand (a) is	$-\infty$	-Fn	-0	+0	+Fn	$+\infty$	QNaN	SNaN
$-\infty$	T(a)	T(b)	T(b)	T(b)	T(b)	T(a)	T(a)	Xi: T(b*)
-Fn	T(a)	T(MS(a,b))	T(b)	T(b)	T(MS(a,b))	T(a)	T(a)	Xi: T(b*)
-0	T(a)	T(a)	T(a)	T(a)	T(a)	T(a)	T(a)	Xi: T(b*)
+0	T(a)	T(a)	T(b)	T(a)	T(a)	T(a)	T(a)	Xi: T(b*)
+Fn	T(a)	T(MS(a,b))	T(b)	T(b)	T(MS(a,b))	T(a)	T(a)	Xi: T(b*)
$+\infty$	T(b)	T(b)	T(b)	T(b)	T(b)	T(a)	T(a)	Xi: T(b*)
QNaN	T(b)	T(b)	T(b)	T(b)	T(b)	T(b)	T(a)	Xi: T(b*)
SNaN	Xi: T(a*)	Xi: T(a*)	Xi: T(a*)	Xi: T(a*)	Xi: T(a*)	Xi: T(a*)	Xi: T(a*)	Xi: T(a*)

Explanation:

* The SNaN is converted to the corresponding QNaN before it is placed in the target operand location.
T(x) The value x is placed at the target operand element location if no trapping exceptions on other elements.
M(x,y) Return the lesser of floating point value x and y.
MS(x,y) If $|x| = |y|$ return M(x,y), return x if $|x| < |y|$; otherwise return y.
Fn Finite nonzero number (includes both subnormal and normal).
Xi: IEEE invalid-operation exception. The results shown are produced only when FPC 0.0 is zero.

FIG. 4P

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RESULTS FOR $M_6=9$

Second Operand (a) Is	Results for VECTOR FP MINIMUM (a:b) when Third Operand (b) Is				
	0	Fn	∞	QNaN	SNaN
0	$T(a)$	$T(a)$	$T(a)$	$T(b)$	$\text{Xi: } T(b^*)$
Fn	$T(b)$	$T(M(a , b))$	$T(a)$	$T(b)$	$\text{Xi: } T(b^*)$
∞	$T(b)$	$T(b)$	$T(a)$	$T(b)$	$\text{Xi: } T(b^*)$
QNaN	$T(a)$	$T(a)$	$T(a)$	$T(a)$	$\text{Xi: } T(b^*)$
SNaN	$\text{Xi: } T(a^*)$	$\text{Xi: } T(a^*)$	$\text{Xi: } T(a^*)$	$\text{Xi: } T(a^*)$	$\text{Xi: } T(a^*)$

Explanation:

* The SNaN is converted to the corresponding QNaN before it is placed in the target operand location.

|z| The value of z is used with the sign forced to be positive.

T(x) The value x is placed at the target operand element location if no trapping exceptions on other elements.

M(x,y) Return the lesser of floating point value x and y.

Fn Finite nonzero number (includes both subnormal and normal).

Xi: IEEE invalid-operation exception. The results shown are produced only when FPC 0.0 is zero.

FIG. 4Q

RESULTS FOR $M_6=10$

Second Operand (a) Is	Results for VECTOR FP MINIMUM (a:b) when Third Operand (b) Is				
	0	Fn	∞	QNaN	SNaN
0	$T(b)$	$T(a)$	$T(a)$	$\text{Xi: } T(b)$	$\text{Xi: } T(b)$
Fn	$T(b)$	$T(M(a , b))$	$T(a)$	$\text{Xi: } T(b)$	$\text{Xi: } T(b)$
∞	$T(b)$	$T(b)$	$T(b)$	$\text{Xi: } T(b)$	$\text{Xi: } T(b)$
QNaN	$\text{Xi: } T(b)$	$\text{Xi: } T(b)$	$\text{Xi: } T(b)$	$\text{Xi: } T(b)$	$\text{Xi: } T(b)$
SNaN	$\text{Xi: } T(b)$	$\text{Xi: } T(b)$	$\text{Xi: } T(b)$	$\text{Xi: } T(b)$	$\text{Xi: } T(b)$

Explanation:

|z| The value of z is used with the sign forced to be positive.

T(x) The value x is placed at the target operand element location if no trapping exceptions on other elements.

M(x,y) Return the lesser of floating point value x and y.

Fn Finite nonzero number (includes both subnormal and normal).

Xi: IEEE invalid-operation exception. The results shown are produced only when FPC 0.0 is zero.

FIG. 4R

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RESULTS FOR $M_6=11$

Second Operand (a) Is	Results for VECTOR FP MINIMUM (a:b) when Third Operand (b) Is				
	0	Fn	∞	QNaN	SNaN
0	$T(a)$	$T(a)$	$T(a)$	Xi: $T(a)$	Xi: $T(a)$
Fn	$T(b)$	$T(M(a , b))$	$T(a)$	Xi: $T(a)$	Xi: $T(a)$
∞	$T(b)$	$T(b)$	$T(a)$	Xi: $T(a)$	Xi: $T(a)$
QNaN	Xi: $T(a)$	Xi: $T(a)$	Xi: $T(a)$	Xi: $T(a)$	Xi: $T(a)$
SNaN	Xi: $T(a)$	Xi: $T(a)$	Xi: $T(a)$	Xi: $T(a)$	Xi: $T(a)$

Explanation:

$|z|$ The value of z is used with the sign forced to be positive.
 $T(x)$ The value x is placed at the target operand element location if no trapping exceptions on other elements.
 $M(x,y)$ Return the lesser of floating point value x and y.
 Fn Finite nonzero number (includes both subnormal and normal).
 Xi: IEEE invalid-operation exception. The results shown are produced only when FPC 0.0 is zero.

FIG. 4S

RESULTS FOR $M_6=12$

Second Operand (a) Is	Results for VECTOR FP MINIMUM (a:b) when Third Operand (b) Is				
	0	Fn	∞	QNaN	SNaN
0	$T(a)$	$T(a)$	$T(a)$	$T(a)$	Xi: $T(a)$
Fn	$T(b)$	$T(M(a , b))$	$T(a)$	$T(a)$	Xi: $T(a)$
∞	$T(b)$	$T(b)$	$T(a)$	$T(a)$	Xi: $T(a)$
QNaN	$T(b)$	$T(b)$	$T(b)$	$T(a)$	Xi: $T(a)$
SNaN	Xi: $T(b)$	Xi: $T(b)$	Xi: $T(b)$	Xi: $T(a)$	Xi: $T(a)$

Explanation:

$T(x)$ The value x is placed at the target operand element location if no trapping exceptions on other elements.
 $M(x,y)$ Return the lesser of floating point value x and y.
 Fn Finite nonzero number (includes both subnormal and normal).
 Xi: IEEE invalid-operation exception. The results shown are produced only when FPC 0.0 is zero.

FIG. 4T

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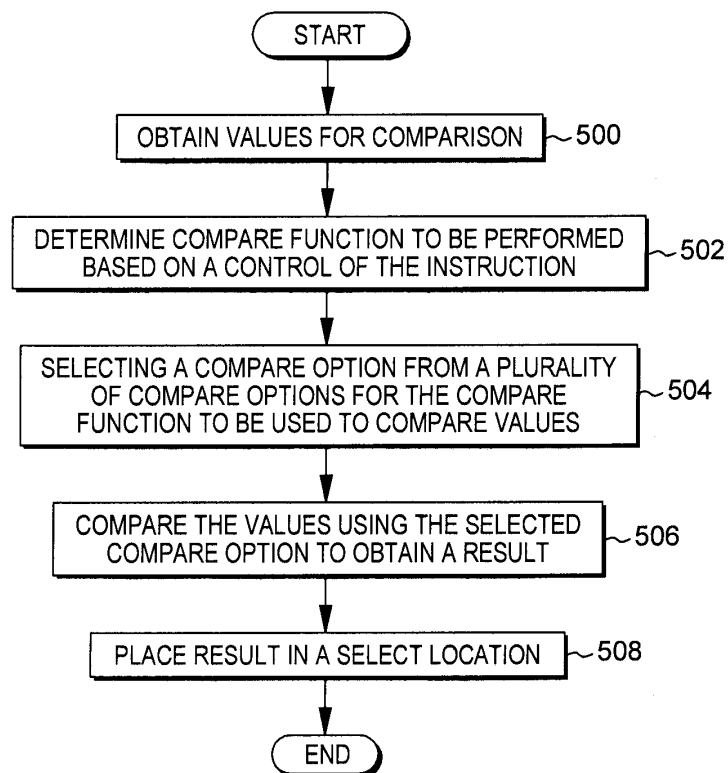


FIG. 5

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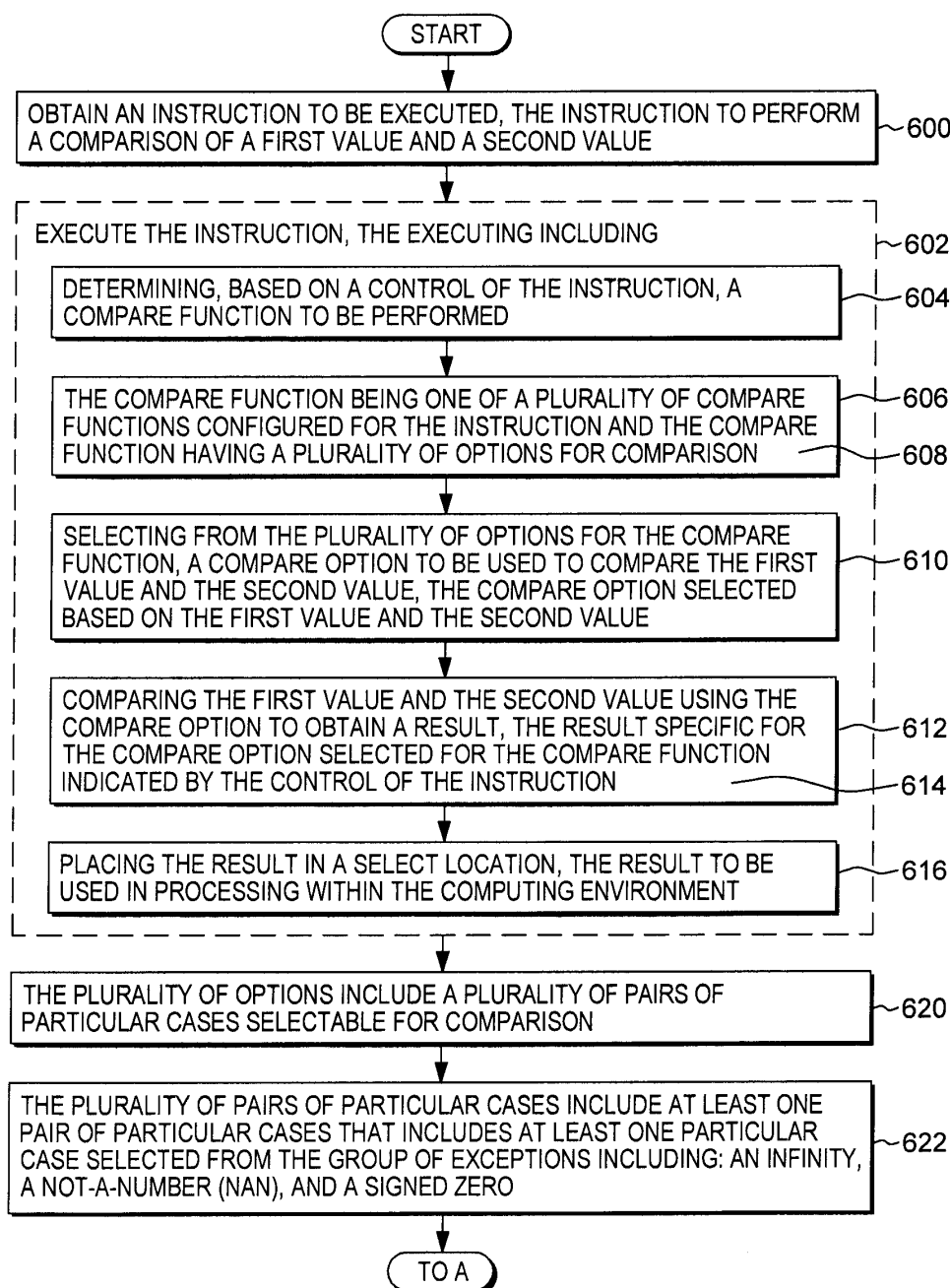


FIG. 6A

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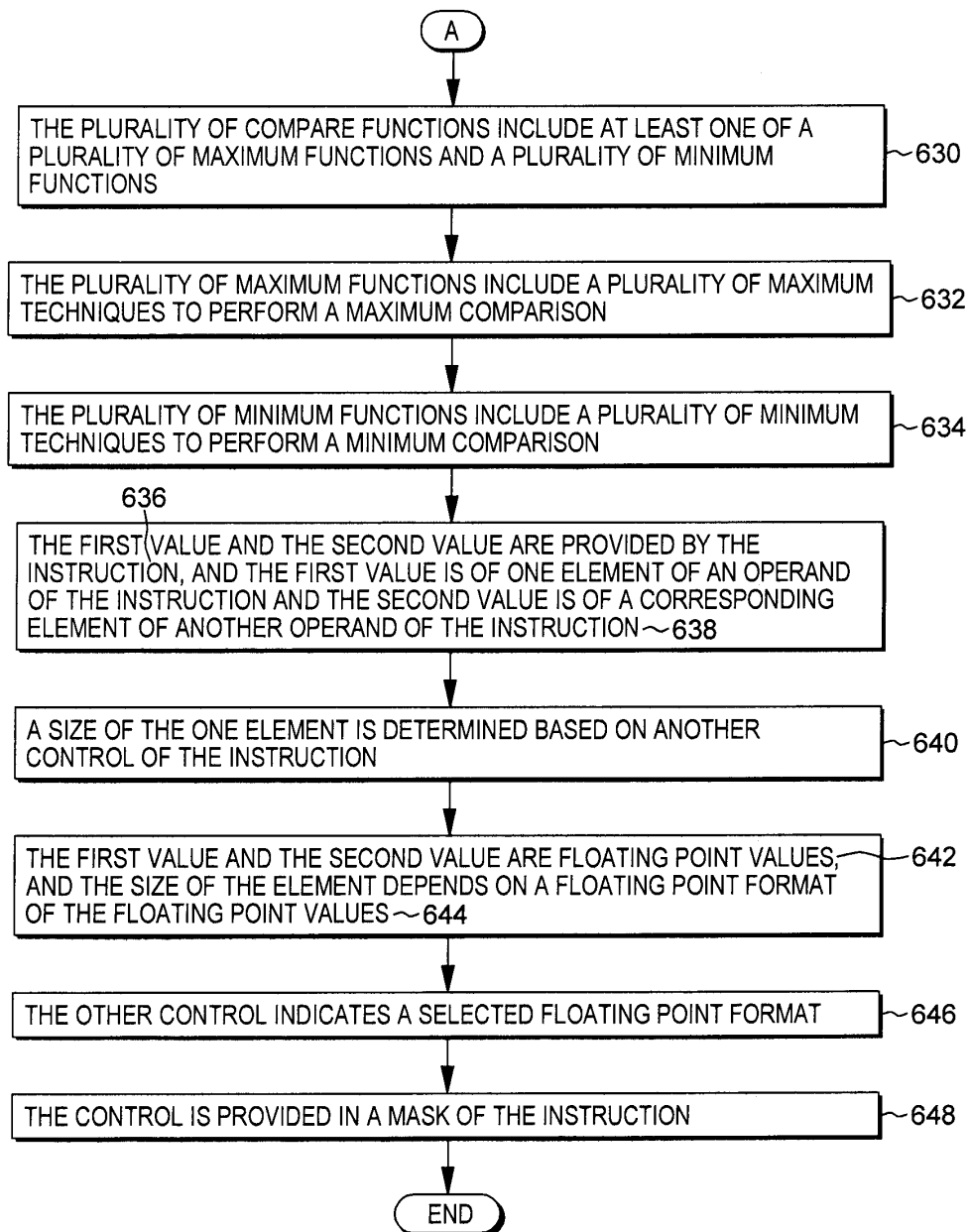


FIG. 6B

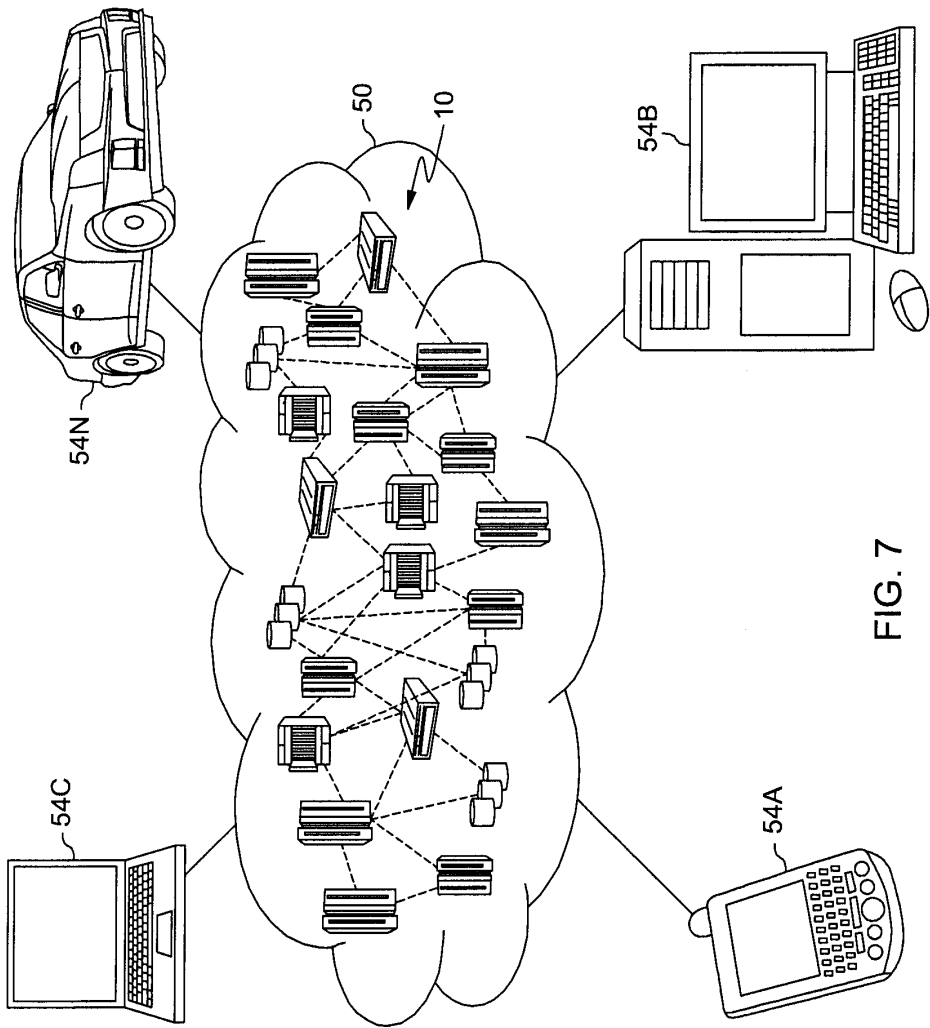


FIG. 7

