

FLOATING POINT TO INTEGER CONVERSION

Instruction Summary:

122i-k Enter Si with integer form of floating Sk

174i-k Enter Vi with integer form of floating Vk

FA Module

j = 040060 000000 000000 000000 Parcel format, octal

k = Exponent Coefficient

The alignment process is normal. K exponent greater than 40060 results in overflow. Overflow gives you an all zeroes answer and says an attempt was made to create an integer longer than 48 bits.

FB Module

The coefficient add or subtract process and the coefficient leading zeroes count process are performed as normal.

FC Module

The normalization coefficient shift circuits are disabled. The normalization exponent adjust circuits are used to sign extend the 48 bit integer result.

An overflow will result in an error. An error flag will be sent to the EA module if enabled.

