

## INTEGER TO FLOATING POINT CONVERSION

### Instruction Summary:

123i-k Enter Si with floating form of integer Sk  
175i-k Enter Vi with floating form of integer Vk

### FA Module

j = 040060 000000 000000 000000 Parcel format, octal  
k = Sign extended 48 bit integer In 2's compliment if negative

The alignment process on the FA module is disabled. The J operand exponent is forced to be selected as the larger exponent. The exponent sent to the FC is therefore forced to 40060. The coefficient shift circuits are disabled and the coefficients are passed straight through the FA.

### 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 and exponent adjustment are done as normal.