	1	File # 1.01.01	
Oper	ation	Floating Arithmetic Interpretive Routine	
2	A routine to interpret and process floating point orders on a fixed point computer.	FAIR	
Tien			
038	a) Colling Linkson		
	a) Calling Linkage 327-		
	L : 00d l L+l 0lo 357 L + l: 000 5 000 🛠 252	$\sum_{\text{FAIR}}^{\text{ENTER}} \propto \sum_{\text{I}} w_{1}$	
	L : 080 5 000 000 β	EXIT (first floating) FAIR point order)	
	The entrance linkage gives FAIR control of the program, starting with the order at W_1 . The routine retains control until the next exit linkage is reached, when control of the program is yielded to the computer at order β .		
	b) Adaptation Link Word - Not rel	ocatable	
	c) Storage		
	160 words: <u>2a7</u> to <u>346</u> All opstes self-contained		
Requirements and Performance			
a. Method of operation Mainly logical (floating point by similation)			
	. Additional routines required None		
	c. Range and form of data Conven	. Range and form of data Conventional order format, except for sign.	
	1) All arithmetic orders to be negative (first hexadecimal	processed as floating point must be character must be 2).	
	2) Arithmetic orders to be proc carry a + sign.	cessed as straight fixed point should	
	3) All non-arithmetic orders (IN, TZ, I, O, E, H) must always be +.	
	Note that although the comparison made between two floating point n be +.	n in all conditional transfer orders is numbers, all such orders must nevertheless	
	d. Accuracy In floating point of See write-up [5 a (5)].	perations, one bit may be lost	
	e. Performance time: Overall, about	at 70 cycles/order = 1.2 sec/order	
Rema	rks		
	a. All operands for compare orders a	nust be normalized.	
	b. The result of the subtraction as formed.	sociated with compare orders is never	
	c. Although short memory may be used result of order N is delivered begun.	i just as in normal programming, the before operations, with N + 1, are	

1.