

ST	9.0
ST(1)	12.0
ST(2)	23.0
ST(3)	24.0
ST(4)	35.0
ST(5)	
ST(6)	
ST(7)	

## Exercise 9.2:

①

b) fld fpValue

ST	0.5	fpValue: 0.5
ST(1)	9.0	initialValue: 6
ST(2)	12.0	
ST(3)	23.0	
ST(4)	24.0	
ST(5)	35.0	
ST(6)		
ST(7)		

f) fslp d(4)

ST	12.0*	fpValue: 0.5
ST(1)	23.0	initialValue: 6
ST(2)	24.0	
ST(3)	9.0	
ST(4)		
ST(5)		
ST(6)		
ST(7)		

j) fadd

ST	21.0	fpValue: 0.5
ST(1)	23.0	initialValue: 6
ST(2)	24.0	
ST(3)	35.0	
ST(4)		
ST(5)		
ST(6)		
ST(7)		

g) fsubp st(3), st

ST	12.0	fpValue: 0.5
ST(1)	23.0	initialValue: 6
ST(2)	15.0	
ST(3)	35.0	
ST(4)		
ST(5)		
ST(6)		
ST(7)		

w) fdiv initialValue

ST	1.5	fpValue: 0.5
ST(1)	12.0	initialValue: 6
ST(2)	23.0	
ST(3)	24.0	
ST(4)	35.0	
ST(5)		
ST(6)		
ST(7)		

② fpValue REAL4 1.5  
initialValue DWORD 9

a) fcom: ST < ST(1) so C3=0, C2=0, C0=1

e) fcomp: ST < ST(1) so C3=0, C2=0, C0=1

12.0	ST
23.0	ST(1)
24.0	ST(2)
35.0	ST(3)
	ST(4)
	ST(5)
	ST(6)
	ST(7)