

# FA MODULE ADD AND SUBTRACT MODES

Add Instruction	Subtract Instruction
j = j from VR k = k from VR	j = j from VR k = k from VR with sign bit toggled on FA

Unlike signs put unit in subtract mode  
Like signs put unit in add mode

j positive } k positive } add mode	j positive } k positive → negative } subtract mode
j positive } k negative } subtract mode	j positive } k negative → positive } add mode
j negative } k positive } subtract mode	j negative } k positive → negative } add mode
j negative } k negative } add mode	j negative } k negative → positive } subtract mode