$$a = b + c;$$
  
 $b = a + c;$   
 $d = a - b;$ 

	Accumulator	Memory-memory	Stack	Load-store
Instruction	load b	add a, b, c	push b	load R1, B
set	add c	add b, a, c	push c	load R2, C
	store a	sub d, a, b	add	add R3, R1, R2
	load a		pop a	store a, R3
	add c		push a	load R1, a
	store b		push c	load R2, c
	load a		add	add R3, R1, R2
	sub b		pop b	store b, R3
	store d		push a	load R1, a
			push b	load R2, b
			sub	sub R3, R1, R2
			pop d	store d, R3
Instructions	9	3	12	12
Code bytes	22	21	27	29
Data bytes	28	36	28	20

Which architecture is most efficient as measured by code size?

- Memory-memory

Which architecture is most efficient as measured by total bandwidth required (code + data)?

- Load-store

If the answers are not the same, why are they different?

- The load-store has the best bandwidth because of its registers which can be used as operand sources and result destinations. Although memory-memory is the most efficient according to code size, it does not use registers which can make data retrieval longer especially since it is three at a time in this case.