16 bit addition:

Program:

```
LHLD 2500
XCHG
LHLD 2502
MOV A,E
ADD L
MOV L,A
MOV A,D
ADC H
MOV H,A
SHLD 2504
HLT
```

Output:

Data	Stack	KeyPad

Start	2500	

Address (Hex)	Address	Data
09C4	2500	12
09C5	2501	0
09C6	2502	26
09C7	2503	0
09C8	2504	38
09C9	2505	0
09CA	2506	0
09CB	2507	0
09CC	2508	0
09CD	2509	0
09CE	2510	0
09CF	2511	0

Line No	Assembler Message
0	Program assembled successfully