

Our agenda

Just 3 programs...

- Counting up
- Counting down
- Reversing a numberr



What does this program do? And how do we make it better?

1	100	9	902
2	320	10	100
3	902	11	320
4	100	12	902
		13	100
5	320	14	320
6	902	15	902
7	100	16	000
8	320		



Not optimal...

1	100	@	Add 1	to	ACC
2	320	@	Store	in	20
3	902	@	Print	ACC	
4	100	@	Add 1	to	ACC
5	320	@	Store	in	20
6	902	@	Print	ACC	



Funny enough, counting down from an arbitrary number teaches us something.



Implementing a
countdown (including
0)?



Back to that original problem...



Counting up to an arbitrary number

1	901	8	530
2	320	9	100
3	530	10	330
4	902	11	520
5	520	12	803
6	200	13	000
7	320	30	001



Implementing the SFT (4LR) instruction



Turn 123 into 321 (and other diversions)



Flip this script

1	901	8	360
2	350	9	550
3	420	10	902
4	351	11	423
5	550	12	410
6	402	13	160
7	151	14	902
		15	000

