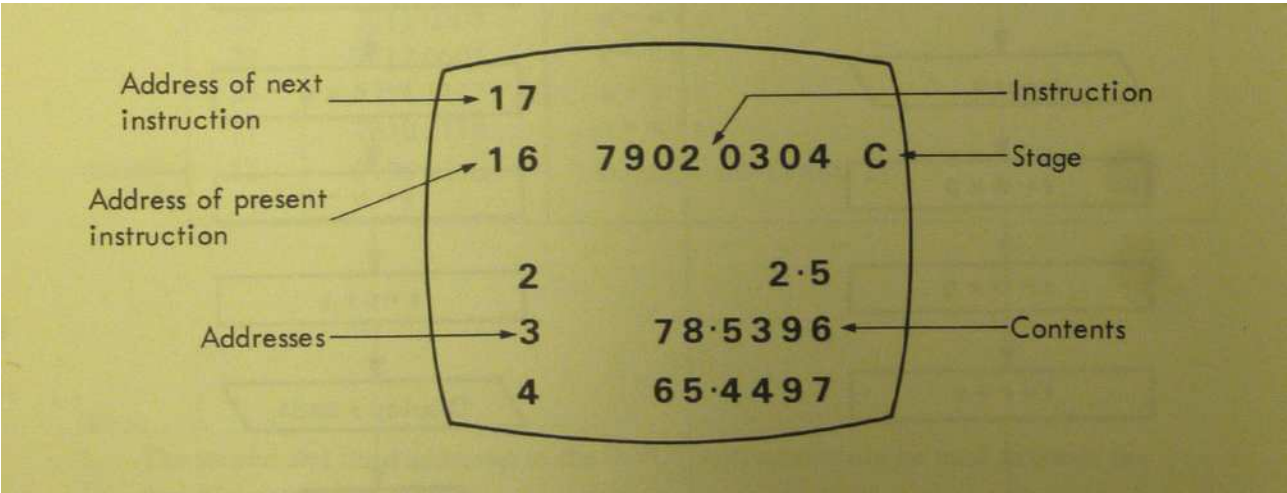# Experimental School's Computer

Programs

This document is a collection of programs for the experimental school's computer from around 1970. There are not very many programs known, these all come from the first course on the school's computer.

A Program to Compute the Surface Area and Volume of a Sphere.

Address	Contents	Comments
0		Spare
1		Spare
2	r	
3	a	
4	b	
5	3.14159	
6	4	
7	3	
8		Spare
9		Spare
10	7802 0507	Input r; display 3.14159 and 3
11	7203 0202	a ← r x r
12	7203 0305	a ← a x 3.14159
13	7203 0306	a ← a x 4
14	7204 0302	b ← a x r
15	7304 0407	b ← b ÷ 3
16	7902 0304	Display r, a and b
17		
18		
19		
20		

SOLUTION OF TWO LINEAR SIMULTANEOUS EQUATIONS

Address	Contents	Comments
0		Spare
1		Spare
2		Spare
3	a	
4	b	
5	p	
6	c	
7	d	
8	q	
9	r	
10	s	
11	u	
12	v	
13		
14		
15	7803 0303	Input a
16	7804 0303	Input b
17	7805 0403	Input p
18	7806 0504	Input c
19	7807 0605	Input d
20	7808 0706	Input q
21	7209 0705	r ← d x p
22	7210 0408	s ← b x q
23	7109 0910	r ← r - s
24	7210 0307	s ← a x d
25	7211 0406	u ← s - u
26	7110 1011	s ← s − u
27	7309 0910	r ← r ÷ s
28	7211 0308	u ← a x q
29	7212 0605	v ← c x p
30	7111 1112	u ← u - v
31	7310 1110	s ← u ÷ s
32	7909 1010	Display r and s; stop