2. Langunge Design

Paragraph 1: After reaching, I come up with the time that I learned QBasic in 2005 when I was in Elementury school. That is my first time to learn programmy. I found it really tough to handon — tanible VI design healts read, and poor syntum. But later in high school, I find my interest in programming in Java, since its nice VI design and the readable coole structure.

Program 2: One point favor of: Readability

In the reading, the author said it would be wise for the designer of programming language to concentrate on the easier task of designanty a readable language to begin with, this is because the evidence shows there it is unlikely the output from appealer is more readable than its input.

I think it is very reasonable, since based on my programmy experience, a readable programmy language can make a hunge change: in Q Banis, I admost govern prime the readability; in Java, I make the devision to make CSE as my

Program 3: One point against of: Language Feature Design

In the readings it said the designer of a new feature should concentrate on one feature at a time. Author also said that the designer should make sure that his feature should mitigates some obsadontages or remedles some incompleteness, of the language without compromising any of its existing ments. I disagree with this, since there are lots of features that me not designed for solving the disadvantages or incompleteness. Some features is for visitedization, and others, may continue to the diversity of one operation. For example, we have list-u+list-b, we also have list-u-append (i for in list-b) before append () is created, the language is complete and no disadvantages, and the append () and improves the diversity of one operation/method, it lets users more options to

major shee the easy, and readable language

select.

3. Simple Operational Sementics

$$\frac{\langle e_1, \sigma_2 | n_1 \langle e_2, \sigma_2 | n_2}{\langle e_1 | e_2, \sigma_2 | n_1 / n_2}$$
 when n_2 divides n_1

$$\frac{\langle e_1, \sigma \rangle V_{n_1} \langle e_2, \sigma \rangle V_{n_2}}{\langle e_1 / e_2, \sigma \rangle V_{n_1} - n_1 mod n_2 / n_2}$$
 when otherwise

** Note that in Ocaml, -3 mod 2 =-1.

So we want
$$5/2=1$$
 and $-5/2=-2$,

checks $(5-5 \mod 2)/2=(5-1)/2=2$
 $(-5-(-5) \mod 2)/2=(-5-(-1))/2=-2$

4. Language Feature Design, Large Step

1 HW1 (select all pages: your first page has your name and bookkeeping, and all others are anonymous))

- 0 pts Correct